

エルサルバドル国

環境・天然資源省

エルサルバドル国  
オロメガ湖・ホコタル湖  
統合的湿地管理プロジェクト

事業完了報告書

2021年9月

独立行政法人  
国際協力機構（JICA）

日本工営株式会社

環境
JR
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## 略語表

1	ANP	Natural Protected Area
2	C/P	Counterpart
3	CA	Chief Advisor
4	CEPA	Communication, Education, Participation and Awareness
5	GEF	Global Environment Facility
6	GoE	Government of El Salvador
7	GoJ	Government of Japan
8	JET	JICA Expert Team
9	JICA	Japan International Cooperation Agency
10	M/M	Minutes of the Meeting
11	MAG	Ministry of Agriculture and Livestock
12	MARN	Ministry of the Environment and Natural Resources
13	MITUR	Ministry of Tourism
14	MoU	Minutes of Understanding
15	PD	Project Director
16	PDM	Project Design Matrix
17	PM	Project Manager
18	PO	Plan of Operations
19	R/D	Record of Discussions
20	UNDP	United Nations Development Programme

# 資料編 1

## 活動コンポーネントごとの実績の要約(技術協力成果品)

### A 全体

- A-1 活動写真集
- A-2 PDM に基づいた成果の達成状況  
達成度グリッド I, 達成度グリッド II
- A-3 詳細 PO  
成果 1,2,3,4, パイロット・プロジェクト 1,2,3,4

### B 成果 1(活動実績報告書)

- B-1 国家湿地管理委員会の設立と運営支援
- B-2 地方湿地管理委員会の設立と運営支援
- B-3 湿地生態系モニタリングの体制整備と実施
- B-4 ラムサール・インフォメーション・シート(RIS)の更新と改定

### C 成果 2(活動実績報告書)

- C-1 湿地管理計画の策定支援

### D 成果 3(活動実績報告書)

- D-1 湿地生態系、野生生物の生息地の保全に関するパイロット・プロジェクト
- D-2 環境教育・コミュニケーションに関するパイロット・プロジェクト
- D-3 気候変動の適応を目指した Eco-DRR に関するパイロット・プロジェクト1(アグロフォレストリー/シルボパスチャー)
- D-4 気候変動の適応を目指した Eco-DRR に関するパイロット・プロジェクト2 (国立自然保護区の生態系の回復)
- D-5 負の環境インパクト軽減に向けたサトウキビ GAP(Good Agricultural Practice: 農業生産工程管理)に関するパイロット・プロジェクト

### E 成果 4(活動実績報告書)

- E-1 広報とネットワーキング

# 事業完了報告書

プロジェクト名: エルサルバドル国オロメガ湖・ホコタル湖統合的湿地管理プロジェクト

氏名: Jaime Espinoza

タイトル: プロジェクト・マネージャー

氏名: 浅野 剛史

タイトル: チーフ・アドバイザー

提出日: 2021年9月13日

## I. プロジェクト基本情報

### 1. 対象国:

エルサルバドル共和国

### 2. プロジェクト名:

オロメガ湖・ホコタル湖統合的湿地管理プロジェクト

### 3. プロジェクト期間:

計画

2016年3月 - 2021年3月(5年間)

変更後

2016年3月 - 2021年9月(5年6か月間)

注) 2021年2月に6か月のプロジェクト期間延長の M/M が結ばれた。

### 4. 背景 (R/D より):

エルサルバドルは、現在ラムサール条約に登録された湿地を全国に計 8 ヶ所(ホコタル湖、ヒキリスコ湾、セロン・グランデ湖、オロメガ湖、ウィハ湿地帯、バラ・デ・サンチアゴ湿地帯、アウテペケ湿地帯、ロス・カボノス)を有しており、その総面積は 228,699ha におよび、エルサルバドル総面積の約 10.9%を占める。

ラムサール条約登録湿地のうち、本案件の対象地域であるオロメガ湖及びホコタル湖は、エルサルバドル国内でも特に環境保全が遅れている東部のラ・ウニオン県、サンミゲル県、ウスルタン県の 3 県に跨る自然湖である。両湖周辺には、約 19,500 人の住民が主に漁業と酪農で生計を立てている。同湿地帯は彼らにとって生活収入の重要な供給源となっており、また両湖の環境の悪化は下流に位置する国内最大級の湿地ヒキリスコ湾湿地帯に悪影響を及ぼす可能性がある。

両湖の自然環境は、家庭排水、家畜の排せつ物、化学肥料、過度な漁業、ホテイアオイなど

の外来種の増殖、堆砂など様々な要因によって悪化しており、また、住民間の漁業、農業等の生産活動による水利用をめぐる争いに起因した計画性の無い水位調節も湿地保全にとって問題の一つとなっている。そのため、適切な湿地管理の実施が緊急の課題となっているが、統合的な湿地管理のための組織体制がまだまだ十分に整備されていない状況である。

本事業は、エルサルバドルにおいて、環境・天然資源省湿地ユニットを中心とする湿地管理体制の強化、オロメガ湖とホコタル湖周辺の湿地管理計画の策定、対象地の特性を活かしたパイロット活動の実施、プロジェクトの知見普及を通じた湿地関係者間のネットワーク強化を行うことにより、湿地保全とワイズユーズを促進するためのモデル的アプローチとして両湖の統合的管理を推進するための組織体制整備を図り、もって両湖の経験をもとにしたモデル的アプローチが、エルサルバドルで実践的に適用されることに寄与するものである。

## **5. 上位目標とプロジェクト目標 (R/D より):**

### 上位目標

The model approach developed based on experiences at Olomega and El Jocotal Lagoons is actually applied in practice in El Salvador.

### プロジェクト目標

An institutional framework to ensure integrated management of Olomega and El Jocotal Lagoons is developed, as a model approach, to promote conservation and wise use of wetlands in El Salvador.

## **6. 実施機関:**

天然資源・環境省 (Ministry of Environment and Natural Resources (MARN))

## II. プロジェクトの結果

### 1. プロジェクトの結果

#### 1-1:日本側の投入

##### (1) 日本側総投入額

プロジェクトに対する日本側の総投入金額は 337 百万円であった。内訳等は Annex 1「1.5.1 Financial input from JICA」に示す。

##### (2) 専門家の派遣

プロジェクトの開始以来、合計 12 名の日本人専門家が派遣された。エルサルバドルでは合計 88.37 人月(MM)が費やされ、日本では合計 19.05 人月(MM)が費やされた。専門家ごとの派遣実績を表 1 に示す。その他、プロジェクトで雇用したローカル専門家の詳細は Annex 1「1.5.1 Financial input from JICA」に示す。

表 1: JICA 専門家ごとの MM の稼働実績

Name	Title and Specialization	MM in El Salvador	MM in Japan	Work Period
1 Koji Asano	Chief Advisor / Wetland ecosystem conservation	18.50	5.68	Mar. 2016-Sep. 2021
2 Shin-ichiro Tsuji	Sub-Chief Advisor / Community development and institutional strengthening	14.33	0.00	Jun. 2016-Aug. 2019
3 Michiko Ebato	Sub-Chief Advisor / Community development and institutional strengthening	0.87	3.10	Feb. 2020-Aug. 2021
4 Michiaki Hosono	Land use planning	6.00	0.00	Apr. 2016-Feb. 2017
5 Michinori Yoshino	Pilot activity management/ Land use/ Agriculture	7.10	2.50	Jul. 2017-Aug. 2021
6 Keisuke Shimizu	Land use (agriculture)	4.23	0.00	Mar. 2017-Feb. 2018
7 Yukio Nagahama	Environmental education (1) / Wetland management	18.03	2.20	Mar. 2016-Aug. 2021
8 Naoki Yamashita	Hydrology	2.40	0.00	Jun. 2016-Jun. 2017
9 Yoshihiro Tokue	Ecological zoning / Information management / GIS	7.37	0.10	Jun. 2016-Dec. 2019
10 Tamao Tada	Environmental education (2) / Public Relation	0.90	0.00	Jun. 2016-Nov. 2016
11 Aya Mizuno	Environmental education (2) / Public Relation	3.37	1.00	Feb. 2017-Mar. 2018
12 Keisuke Yanehashi	Environmental education (2) / Public Relation	5.23	4.50	Jun. 2018-Sep. 2021
	Total	88.34	19.08	

##### (3) 本邦研修受入

プロジェクト期間中に 1 回(2017 年 7 月 30 日～8 月 11 日)の本邦研修を実施し、下表に示す通り MARN の計 8 名が参加した。

表 2: 本邦研修の参加者リスト

Name	Position	E-mail
1 Silvia de Larios	Directora General de Ecosistemas y Vida Silvestre / General Director of Ecosystems and Wildlife	slarios@marn.gob.sv
2 Andrés Sanchez	Técnico en Gestión de Áreas Naturales Protegidas / Natural Protected Areas Management Technician	asanchez@marn.gob.sv
3 Elba Martinez	Técnica de Vida Silvestre / Wildlife Technician	emartinez@marn.gob.sv

4	Jaime Espinoza	Líder del Equipo de la unidad de Humedales / Wetland Unit Chief	jespinoza@marn.gob.sv
5	Georgina Mariona	Técnico en Humedales, punto focal sitios RAMSAR / Wetland technician, RAMSAR focal point.	gmariona@marn.gob.sv
6	Roberto Ceron	Especialista en hidrología / Hydrology Specialist	rceron@marn.gob.sv
7	Ana Domitila Perdomo de Flores	Especialista en Gestión de Riesgo y Análisis de Vulnerabilidad / Specialist in Risk Management and Vulnerability Analysis	aperdomo@marn.gob.sv
8	Ana Eugenia Aguilar	Técnico en Atención Ciudadana / Technician in Citizen Care	aaguilar@marn.gob.sv

#### (4) 機材供与

プロジェクト開始から、合計で 7.2 百万円の機材が調達された。下表が専門家チームにより調達された主な機材のリストである。四輪駆動車(TOYOTA Hilux)が 1 台、JICA エルサルバドル事務所により調達され、2016 年 6 月に直接 MARN へ引き渡された。

表 3: 専門家チームが調達した主要機材のリスト

Item	Qty	Cost (Each)	Total Cost	Date of Purchase
1. Portable CD/DVD Reader/Writer	1	49.99	49.99	30/3/2016
2. Projection Screen	1	243.00	243.00	30/3/2016
3. Chair for JET office	10	149.56	1,495.60	18/4/2016
4. Chair for Meeting room	6	91.86	551.16	12/9/2016
5. Chair for Meeting room	6	44.16	264.96	18/4/2016
6. Meeting table for JET office	1	220.00	220.00	24/8/2017
7. Work desks for JET office	5	150.00	750.00	24/8/2017
8. Work desks for JET office	4	120.00	480.00	24/8/2017
9. Two - Door Cabinet	1	229.20	229.20	4/4/2016
10. Two - Door Cabinet	1	245.00	245.00	9/6/2016
11. Two - Door Cabinet with drawers	1	280.00	280.00	7/9/2016
12. Digital Camera	1	318.76	318.76	6/6/2016
13. Digital Camera	1	320.22	320.22	6/6/2016
14. Portable Hard Drive	1	105.73	105.73	6/6/2016
15. GPS	1	301.27	301.27	6/6/2016
16. GPS	1	301.27	301.27	6/6/2016
17. Binoculars	1	269.52	269.52	6/6/2016
18. Binoculars	1	269.52	269.52	6/6/2016
19. Tripod	1	160.17	160.17	8/6/2016
20. Network Hard Drive	1	425.66	425.66	6/6/2016
21. UPS	1	39.90	39.90	7/7/2017
22. UPS	1	65.00	65.00	6/6/2016
23. Voltage regulator	4	13.90	55.60	6/6/2016
24. Portable pH-meter	1	360.00	360.00	23/10/2017
25. Big cooler 150 Qts	1	13.90	13.90	23/10/2017
26. Blue ice	7	3.87	27.09	23/10/2017
27. Blue ice	3	2.50	7.50	23/10/2017
28. License ArcGIS 10.3.1 for Desktop Basic Single Use	1	2,125.00	2,125.00	14/4/2016
29. License ArcGIS 10.3.1 Spatial Analyst for Desktop Extension	1	3,225.00	3,225.00	14/4/2016
30. License ArcGIS 10.3.1 3D Analyst for Desktop Extension	1	3,225.00	3,225.00	14/4/2016
31. Computer Software MS Office(1)	1	242.39	242.39	30/3/2016
32. Computer Software MS Office(2)	1	242.39	242.39	31/3/2016
33. Computer Software MS Office(3)	1	242.39	242.39	31/3/2016
34. Computer Software Antivirus	1	26.86	26.86	30/3/2016
35. Computer Software Antivirus	1	26.86	26.86	30/3/2016
36. Computer Software Antivirus	1	26.86	26.86	31/3/2016
37. Computer Software Antivirus	1	35.82	35.82	25/4/2016
38. Desktop Computer (1)	1	839.82	839.82	4/4/2016
39. Laptop Computer (2)	1	890.31	890.31	29/3/2016
40. Laptop Computer (3)	1	937.17	937.17	30/3/2016
41. Projector	1	718.00	718.00	30/3/2016
42. TV Monitor 48"	1	550.46	550.46	29/3/2016

43.	Desktop Workstation	1	3,700.00	3,700.00	25/4/2016
44.	Multifunctional Printer	1	6,987.00	6,987.00	27/4/2016
45.	Video Camera	1	1,114.69	1,114.69	6/6/2016
46.	TV Monitor 43"	1	397.35	397.35	16/2/2018
47.	Drone	1	1,454.18	1,454.18	11/9/2018
48.	Ipad	1	405.21	405.21	11/9/2018
49.	Mask and Snorkel	2	99.00	198.00	19/12/2018
50.	Portable Scale	1	35.00	35.00	19/12/2018
51.	Fishing net	1	45.00	45.00	19/12/2018
52.	Acquatic environmental table	2	23.00	46.00	19/12/2018
53.	Binoculars	2	165.00	330.00	19/12/2018
54.	Peterson birdwatching birds	2	35.00	70.00	19/12/2018
55.	Anemometer	1	39.00	39.00	19/12/2018
56.	Tripod for telescope	1	155.00	155.00	19/12/2018
57.	Measuring tape	1	25.25	25.25	7/2/2019
58.	Vernier	2	18.08	36.16	7/2/2019
59.	Mavic 2 Fly More kit	1	345.04	345.04	2/10/2018
60.	Extra Battery for Drone	2	130.94	261.88	2/10/2018
61.	Propeller Guard for Drone	1	30.37	30.37	5/11/2018
62.	Connecting cable for Drone	1	6.54	6.54	5/11/2018
63.	Micro SD card for Drone	2	19.11	38.22	11/9/2018
64.	Speaker	1	339.00	339.00	19/12/2018
65.	Telescope	1	439.00	439.00	19/12/2018
66.	Portable Hard Drive	1	133.99	133.99	16/11/2016
67.	Network Hard Drive	1	422.48	422.48	16/11/2016
68.	Waterproof Salt Tester	1	192.00	192.00	30/10/2017
69.	Waterproof Salt Tester	1	192.00	192.00	26/07/2019
			Total	\$38,642.72	

## (5) 在外事業強化費

日本側の海外活動費の総額は225百万円であった。詳細については、アネックス1の「1.5.1 JICAからの資金投入」を参照。

### 1-2: エルサルバドル側の投入

#### (1) カウンターパートの配置

合計で12名のカウンターパートが配置され、プロジェクト活動を行った。カウンターパートリストを下表に示す。

表4: MARNカウンターパートチームのメンバーリスト

	Name	Title in MARN	Title in the Project	Period	Work, Main Role and Responsibilities
1	Carlos Giovanni Rivera	Chief, Wetland Unit	Project Manager	14 March 2016 to 30 June 2016	<ul style="list-style-type: none"> <li>- To serve as a Chief of the Team for works of MARN.</li> <li>- To coordinate and to guarantee the execution of all the prospective results of the Project</li> </ul>
2	Jaime Espinoza	Chief, Wetland Unit	Project Manager	1 July 2016 to 31 August 2021	
3	Luis Chipagua	Wetland technician	Responsible Technician for Olomega Wetlands	14 March 2016 to 31 July 2017	<ul style="list-style-type: none"> <li>- Technical counterpart of the Wetland Unit for the Project, including their linking with the other wetlands of the country.</li> </ul>
4	Rosalba Alvarenga	Wetland technician	Responsible Technician for Jocotal Wetlands	14 March 2016 to 31 August 2021	
5	Luis Antonio Henriquez	Wetland technician, strategic planning	Operative Technician	14 March 2016 - 30 June 2016	
6	Georgina Mariona	Wetland technician, Focal Point Ramsar	Operative Technician	14 March 2016 to 31 July 2020	
7		Wetland	Operative	1 Jan 2017 to 31	



	Luis Pineda	technician	Technician	August 2021	
8	Roberto Cerón	Chief, Hydrology Unit	Technician connected	14 March 2016 to 31 August 2021	<ul style="list-style-type: none"> <li>- Technical counterpart of the Project in the prospective results of the Project linked to their professional specialty.</li> <li>- To act as links with other sections in MARN.</li> </ul>
9	Tily Perdonmo	Specialist in Management of Risks and Vulnerability	Technician connected	14 March 2016 to 31 August 2021	
10	Julia María Pérez	Specialist in Climate Change Mitigation	Technician connected	14 March 2016 to 30 June 2017	
11	Walberto Gallegos	Regional Coordinator of the Eastern Area	Technician connected	14 March 2016 to 31 August 2021	
12	Yesenia Peñate González	GIS Technician	Technician connected	1 May 2018 to 31 August 2021	

## (2) 執務室の提供等

プロジェクトの実施に際して、カウンターパート機関である MARN から事務所スペース及びキャビネット等の家具が提供された。また MARN は事務所における水道高熱費を負担した。

## (3) その他の先方政府負担事項

合計で USD0.23 百万がプロジェクトの費用として MARN により投入された。

### 1-3 活動

資料編 1 の中で、活動コンポーネントごとに整理した活動実績報告書を参照。

## 2. プロジェクトの成果

### 2-1 アウトプットと指標

以下に、PDM 指標を用いた各アウトプットの実績を記述する。

#### (1) 成果 1:

Indicator 1-1: The Wetland Committee organize a meeting at least once a year at the national level and once in 6 months at the local level.

Indicator 1-2: The National Wetland Committee discusses the data, management plans and monitoring of the wetlands, and etc. to make collective adaptive management decision.

すべて達成された。

- プロジェクトの支援の結果、国家湿地委員会の設置に係る法律(Decree No.54)が官報に掲載された(No.170、VolumeNo.412)(2016年9月14日)。本法の規定に従い、内部規則(細則)など関連文書一式を作成し、多数の会議/討論を運営し、委員会のメンバーを選定・任命した。
- 必要に応じて、空席となった委員会メンバーの選出を支援するなど(ラムサール条約の国家フォーカルポイント、CEPA の国家コーディネーター(政府)および CEPA 国家コーディネーター(非政府))維持、運営に必要な支援を実施した(2018年10月)。

- プロジェクト活動の結果、オロメガ、ホコタルの各地方湿地委員会の設置法(Acuerdo No. 361 及び 382)が成立した。設置法により、各湿地委員会の会合の頻度は少なくとも年一回と定められた。その為会議は年一回以上を目標に開催された。
- 第 1 回国家湿地管理委員会の会合が、2018 年 4 月 16 日にサンサルバドルにて開催された。翌年の 2019 年 4 月に第 2 回会合を開く予定だったが、大統領選挙のため延期された。新政府は 2019 年 6 月にサービスを開始し関係する役職を任命するなど準備が整ったため、2019 年 12 月にサンサルバドルにて開催された。その後、定款の改正など、第 2 回会合で必要になった作業を実施した。
- エルサルバドル国内での COVID-19 のパンデミック以来、MARN と JET は、移動や会議の制限を考慮しながら第 3 回会合の実施方法について一連の対話を行った。最終的に、第 3 回会合は 2020 年 12 月 15 日にサンサルバドルにて、参加者を絞って開催された。
- すべての会合において国家湿地委員会は、データ、管理計画、湿地のモニタリングなどについて話し合い、順応的管理を実施するため必要に応じて意思決定を行った。

Indicator 1-3: The Local Wetland Committees analyze information and solicit necessary consultation to the National Wetland Committee.

達成された。

- 2017 年 3 月 27 日、大臣と JICA の代表者の立会いのもと、ラムサール条約湿地のうち対象 2 サイトの地方湿地管理委員会が立ち上げられ、それぞれ理事会メンバーの公式宣誓が行われた。
- プロジェクトがサポートした内部規則などのすべての関連文書は、対象 2 サイトにおいて代表会のすべてのメンバーによって正式に署名された(2017 年 5 月)。
- 対象 2 サイトの地方湿地管理委員会の第 2 回総会をそれぞれ開催し、情報を分析し、必要に応じて国家湿地管理委員会に対して支援を求めるための協議を実施した(2017 年 12 月)。会議では、各地方委員会の年次行動計画の結果や懸案が発表され、必要な支援が要請された。また、CEPA(Communication, Education, Participation and Awareness)5 年計画(2018-2022)が議論された。
- 対象 2 サイトの地方湿地管理委員会の第 3 回総会をそれぞれ開催し、情報を分析し、必要に応じて国家湿地管理委員会に対して支援を求めるための協議を実施した(2019 年 4 月)。
- 対象 2 サイトの地方湿地管理委員会の第 4 回総会をそれぞれ開催し、情報を分析し、必要に応じて国家湿地管理委員会に対して支援を求めるための協議を実施した(2020 年 9 月)。

Indicator 1-4: Data required to update Ramsar Information Sheet (RIS) is accumulated at Wetland Unit.

達成された。

- さまざまな二次情報とデータが収集および分析された(例えば、生態系と生物多様性、政策と開発計画、水文学と洪水の歴史、水質、土地所有と土地利用、社会経済、部門、地方自治体、地方レベルのガバナンスと行政関連)。
- 生物多様性調査は、RISの更新に不可欠な動植物、絶滅危惧種などに関する一次データを含む情報を補足するために、2017年から定期的に行われた。
- 収集された情報とデータに基づいて、ホコタル湖とオロメガ湖のRISを2017年9月に更新した。

## (2) 成果 2:

Indicator 2-1: The Wetland Management Plans are approved by MARN.

Indicator 2-2. Approval document issued by Wetland Unit/ MARN

Indicator 2-3. Approved Management Plans uploaded on the MARN site

Indicator 2-4. Wetland Management Planning Guideline

すべて達成された。

- 計画案は2017年12月に最終決定された。MARN技術チームおよび各地方湿地管理委員会との協議プロセスは2018年4月に終了した。
- 2018年4月以降、MARNのコメントに基づき、プロジェクトチームは改訂と最終決定に取り組んだ。この計画は、ホコタル湖とオロメガ湖に対して個別に作成された(2019年3月)。
- MARNの技術チームによる最終改訂は2019年3月に完了した。その後、MARNのコミュニケーションオフィスによる最終校正が開始され、2019年12月に完了した。
- 2020年2月5日に、ホコタル湖の湿地管理計画に関する閣僚協定第33号が調印された。その後、公式化され、50部が印刷された。その後、公式官報が発行された。
- オロメガ湖の湿地管理計画に関する閣僚協定第07号は、2020年1月10日に署名された。その後、公式化され、50部が印刷された。その後、公式官報が発行された。

## (3) 成果 3:

Indicator 3-1: The financial mechanisms to maintain sustainability and replicability are demonstrated in the pilot activities.

本指標の達成を目指したいくつかのパイロット活動にて達成された。

- 4つのパイロット・プロジェクトが計画され、2018年に実施が開始された。パイロット活動は、外来水生植物の管理、環境品質の監視、環境教育、生態学的災害リスクの軽減、環境への負の影響の少ない農業など、さまざまな問題に焦点を当てた。それらはすべて、湿地管理計画で議論され提案された。

- 本指標の求める「経済的利益」とは、活動によって性質が異なるもので、対象とする環境活動によっては経済的利益を期待することが出来ない。代わりに本プロジェクトが支援したすべてのパイロット・プロジェクトは、財務的側面での持続可能性を持つように設計された。
- モニタリングと環境教育に関連するパイロット・プロジェクト 1 と 2 については、「経済的利益」に拘らず MARN での長期的な持続可能な資金調達をより目標とした。その一方、適切な土地利用と環境への負の影響の少ない農業に関連するパイロット・プロジェクト 3 および 4 については、短期的な「経済的利益」でなく、長期的な財政的な収益性の向上を目標とした。短期的には本プロジェクトの枠組みで、初期投資として外部の財源を模索した。
- 長期的な財政的な収益性の向上を目標としたパイロット・プロジェクト 3 では、農家により異なるものの、Agroforestry については凡そ 8-10 年で植樹したマンゴによる収益が期待でき、また Silvopasture については凡そ 3-5 年で乳牛の栄養改善と乳量増加が期待できるように設計された。詳細については、各パイロット・プロジェクトのモニタリングシートを参照。

Indicator 3-2: Awareness among the 50% of the community members participating in the pilot activities towards wetland conservation is improved.

達成された。

- パイロット活動の計画と実施の段階では、参加コミュニティの意識は、さまざまな地元のワークショップや利害関係者の会議を通じて高められた。
- パイロット活動に参加したコミュニティーメンバーのすべては、自主的に参加し積極的に従事した。それにより参加したコミュニティーメンバーの 50%以上の意識が啓発されたと判断する。詳細については、各パイロット・プロジェクトのモニタリングシートを参照。

Indicator 3-3: The selected drivers causing the degradation of wetlands are considered in the selection and design of pilot activities.

達成された。

- パイロット・プロジェクトの計画策定の過程で、湿地の劣化を引き起こすさまざまなドライバーの中から、プロジェクト成果、プロジェクト目標に関連するドライバーを特定し、それらの改善を各パイロット・プロジェクトの目標として設定した。詳細については、各パイロット・プロジェクトのモニタリングシートを参照。

#### **(4) 成果 4:**

Indicator 4-1: At least 3 types of PR materials are developed.

Indicator 4-2: 1,000 copies of the PR materials are circulated among the stakeholders in and outside of El Salvador.

すべて計画以上に達成された。

- 合計 2,900 のパンフレット、7 つのバナー、1 つのポスター、500 のファイルホルダー、315 のトートバッグ、905 の T シャツ、300 の小冊子、250 のキャップ、200 のコースター、125 のウォーターボトル、200 の ATLAS が作成、および配布された。

Jul 2016	Project banners made.	2
Jul 2016	File folders with project Logo made.	500
Jul 2016	Brochures (Sp.) were printed.	1000
Sep 2016	Prepared project tote-bags for the local workshop.	100
Feb 2017	Project novelty t-shirts were prepared for the international wetland day and local wetland committee meetings.	500
Feb 2017	Project brochure (ver. 2) (Sp.) were re-printed.	1500
Sep 2017	Booklets on the establishment of the local wetland management committee were printed	300
Sep 2017	Brochure (En.) were printed.	300
May 2018	Project novelty t-shirts were prepared for plantation week event (Plantathon).	120
Jul 2018	Project novelty caps were prepared for GAP training course.	100
Oct 2018	Project Banner (En.) was made for Ramsar COP	1
Oct 2018	Project Banner (En.&Sp.) were made.	2
Sep 2018	Coasters for Ramsar COP and other events.	200
Feb 2019	Tote-bags for Wetland Day Event.	65
Feb 2019	Water bottles for Wetland Day Event.	65
Feb 2019	T-shirts for Wetland Day Event.	75
Jun 2019	Project banner (Sp.) for National Biology & Conservation Event were prepared	2
Jun 2019	Academic poster for National Biology & Conservation Event were prepared	1
Oct 2019	Prepared t-shirts for World Migratory Birds Day event	60
Oct 2019	Prepared water bottles for World Migratory Birds Day event	60
Oct 2019	Prepared brochures for World Migratory Birds Day event	100
Nov 2019	Printed out ATLAS	200
Jan 2020	Prepared t-shirt for the world wetland day	150
Jan 2020	Prepared tote-bags for the world wetland day	150
Jul 2020	Prepared caps for PP4 reforestation events	150
Jan 2021	Designed T-shirt for World Wetland Day 2021 Events	-

- 合計 2,100 部のニューズレターが印刷され、配布された。

Feb 2017	Newsletter (vol.1) (Sp.) were printed out for 500.	500
Sep 2017	Newsletter (vol.1) (End.) were printed for 300.	300
Dec 2017	Newsletter (vol.2) (Sp.) were printed for 100.	100
Oct 2018	Newsletter (vol.3) (End.) were printed for 200.	200
Oct 2018	Newsletter (vol.3) (Sp.) were printed for 100.	100
Oct 2018	Newsletter (vol.1) (Sp.) were additionally printed for 100.	100
Mar 2019	Newsletter (vol.3) (Sp.) were re-printed for 300.	300
Jun 2019	Newsletter (vol.4) (Sp.) were printed for 500.	500
May 2020	Newsletter (vol.5 Sp.) were prepared and provided via internet.	-
May 2020	Newsletter (vol.5 En.) were prepared and provided via internet.	-
Sep 2020	Newsletter (vol.6 Sp.) were prepared and provided via internet.	-
Sep 2020	Newsletter (vol.6 En.) were prepared and provided via internet.	-
Sep 2020	Newsletter (vol.7 Sp.) were prepared and provided via internet.	-
Sep 2020	Newsletter (vol.7 En.) were prepared and provided via internet.	-

- Facebook ページは 2016 年 5 月にオープンし、これまでに合計 299 件の記事が投稿された。

May - Sep 2016:	14 posts
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Oct - Dec 2016:	9 posts
Jan - Mar 2017:	5 posts
Apr - Jun 2017:	8 posts
Jul - Sep 2017:	19 posts
Oct - Dec 2017:	9 posts
Jan - Mar 2018:	3 posts
Apr - Sep 2018:	4 posts
Oct 2018 - Mar 2019:	12 posts
Apr - Dec 2019:	73 posts
Jan - Mar 2020:	33 posts
Apr - Sep 2020:	65 posts
Oct - Dec 2021:	22 posts
Jan - Mar 2021:	23 posts

- Instagram アカウントは 2019 年 3 月に作成され、これまでに合計 169 件の投稿が行われた。

Mar - May 2019:	4 posts
Jun - Jul 2019:	22 posts
Aug - Dec 2019:	40 posts
Jan - Mar 2020:	24 posts
Apr - Sep 2020:	34 posts
Oct - Dec 2020:	24 posts
Jan - Mar 2021:	21 posts

- 2 種類のメーリングリストが運用された。

- 3 種類の WhatsApp グループが稼働している。

- 30 のプロジェクトユニフォームを作成し、カウンターパートと JICA エキスパートチームメンバーに配布した(2018 年 3 月)。

Indicator 4-3: More than one (1) national event is organized.

計画以上に達成された。

- プロジェクトでは、キックオフセミナー、終了時セミナーを始め、湿地管理計画に関連するセミナーやワークショップ、また 2021 年 5 月に国家湿地管理委員会とともに開催したプロジェクト成果の共有のための会合など、多くのイベントを開催した。

Indicator 4-4: The Project staff participates in more than two (2) international events.

計画以上に達成された。

- JICA 専門家チームの辻専門家は、ニカラグアのマナグアで開催された、JICA と CCAD / SICA が主催する地域の生物多様性保全のためのプロジェクト策定に関するワークショップに参加した。

- MARN の Mariona C/P 職員は、プロジェクトの資金援助を受けて、パナマの西半球ラムサール地域研修研究センター(CREHO)の研修コースに参加した。コースタイトルは「気候変動に焦点を当てた湿地管理計画」で、期間は 2017 年 10 月 3 日から 7 日までであった。

- MARN の Mariona C/P 職員と浅野チーフ・アドバイザーは、2018 年 10 月 23 日から 27 日までドバイで開催されたラムサール条約の COP13 に参加して、プロジェクトの紹介を行った。

- MARN の Rosalba C/P 職員は、プロジェクトの資金援助を受けて、2019 年 10 月 15 日から 17 日まで、ラテンアメリカおよびカリブ海の IUCN 第 3 回自然地域会議に参加した。

## 2-2 プロジェクト目標と指標

プロジェクト目標レベルでは、プロジェクトは PDM の 4 つの成果を達成することにより、制度的枠組みを実現し、ラムサール湿地の管理のための協同的かつ統合された作業を促進することを目的とした。達成度は、以下に説明するように包括的かつ適切な方法で評価した。

Indicator 1: The approaches and strategies practiced in Olomega and El Jocotal Lagoons are officially recognized by MARN as a practical model for integrated wetland management in El Salvador.

計画以上に達成された。

以下の理由により、本指標では期待を超える実績が達成されたと評価する。

- MARN の湿地ユニットは、このプロジェクトはすでにエルサルバドルの統合的な湿地管理の実用的なモデルになっていることを認めている。そのため、他の 5 つの湿地管理委員会の設置、水質モニタリング、環境教育など、さまざまな分野でプロジェクトの経験を再現する活動が行われている。
- 湿地ユニットだけでなく、MARN は組織全体として、プロジェクトの成果が実用的なモデルであることを制度的に認識している。プロジェクトは、国および地方の湿地管理委員会を設立するために、法令の草案、内部規則、細則、およびそれらに関連する運用手順などのさまざまな法的文書を提案し、それらは公式化された。
- MARN は、プロジェクトによって作成されたさまざまな計画、ガイドライン、地図などを公式に採用しており、実用的なモデルとして公式に認めていると言える。
- 水質モニタリング・マニュアルは、2019 年 2 月に MARN によって正式に採用された。MARN からの要請に応じて、プロジェクトの専門家は、ウィハ湖など、複数の他のラムサール湿地にて、本マニュアルを使ったモニタリングを実施する技術指導を行った。

Indicator 2: Experience and lessons learned in the Project are reflected at the legal documents and policy papers (e.g. presidential decree, ministerial decree, resolution, etc.).

計画以上に達成された。

- 以下の理由により、本指標では期待を超える実績が達成されたと評価する。
- プロジェクトによって得られた経験と教訓は、すでにさまざまな活動において、MARN による他のラムサール湿地の管理に活用されている。プロジェクトの MARN スタッフは、プロジェクトの経験に基づいて他のラムサール湿地でも同様の活動を実施しているため、プロジェクトで学んだ教訓を運用に反映していると言える。
- プロジェクトによって得られた経験と教訓は、ラムサール湿地関連の法律(例:湿地管理委員会の設立に関連する法律など)、戦略(例:湿地管理計画など)などの政策レベルのさまざまな文

書に反映された。プロジェクトの結果に基づいて、将来的に、さらなる政策レベルの適用が期待される。

### 3. PDM 改定の経緯

#### 3-1 第一回 PDM 改定

協力期間の前半の活動実績、成果、課題等について確認するとともに、残りの協力期間における方針、今後の活動計画等について協議をすることを目的に、2018年6月にJICA運営指導調査団が派遣された。JICA運営指導調査団は、プロジェクトの枠組や、求められる指標をより明確にすることを目的に、PDMの改定を提言し、それは2018年6月18日に開催された第3回JCCにて承認された。MARN-JICAプロジェクトチームは、運営指導調査団の提言を基に検討を重ねた結果、PDM改定案を最終化し、それは2021年2月に正式に両国政府により合意された。変更内容を下表に整理する(詳細はANNEX 3を参照)。

<指標 4-3 について>

PDMでは、すべての活動がエルサルバドル国内を対象とされており、この指標はPDM構成上プロジェクト目標の達成に貢献しないと判断される。また、MARNの本プロジェクトの担当部門は、国際的な活動を実施したり、国際的なセミナーを開催したりする制度的な権限を持っていない。これらを踏まえて議論した結果、すべての活動は国内に限定することとし、したがって本指標は削除することが提案された。この提案は、2018年に第3回JCCによって承認された。

表 5: PDM 改定箇所の比較表

	R/D	Proposed revision	Reasons
<b>Project Purpose: An institutional framework to ensure integrated management of Olomega and El Jocotal Lagoons is developed, as a model approach, to promote conservation and wise use of wetlands in El Salvador.</b>			
<b>Objectively Verifiable Indicators</b>	1. The approaches and strategies practiced in Olomega and El Jocotal Lagoons are officially recognized by the <u>Wetland Unit</u> of MARN as a practical model for integrated wetland management in El Salvador.  2. Experience and lessons learned in the Project are reflected at the <u>policy level (e.g. policies and strategies related to wetland)</u> .	1. The approaches and strategies practiced in Olomega and El Jocotal Lagoons are officially recognized by MARN as a practical model for integrated wetland management in El Salvador.  2. Experience and lessons learned in the Project are reflected at the <u>legal documents and policy papers (e.g., presidential decree, ministerial decree, resolution, etc.)</u> .	Wetland Unit (4 members) is too small to measure outcome.  Make wordings clear and concrete
<b>Means of Verification</b>	1-1a. Minutes of Meetings (MM) of the <u>Wetland Unit</u> (i.e., any documents reporting about the model approach of the Project).  2. <u>Policy papers/documents addressing the model approach of integrated wetland conservation.</u>	1-1a. Minutes of Meetings (MM) of the <u>national committee and MARN</u> (i.e., any documents reporting about the model approach of the Project).  2. <u>Legal documents and policy papers (e.g., presidential decree, ministerial decree, resolution, etc.) addressing the model approach of integrated wetland conservation.</u>	Amended based on relevancy.  Make wordings clear and concrete. Amended based on data availability, reliability, and relevancy.
<b>Output 1: An institutionally cross-cutting wetland management mechanism with the Wetland Unit of the MARN as the central coordination body is strengthened.</b>			
<b>Objectively Verifiable Indicators</b>	1-3. The Local Wetland Committees <u>gather and</u> analyse information and solicit necessary <u>support</u> to the National Wetland Committee.	1-3. The Local Wetland Committees analyze information and solicit necessary <u>consultation</u> to the National Wetland Committee.	The word "gathered" is redundant. The word "consultation" is appropriate to reflect facts on ground.
<b>Means of Verification</b>	DFR Fact Sheet in 2015, results of the survey to <u>update the DFR Fact Sheet, working report of the Project, annual report of DOF/LWB and other representing stakeholders, minutes of JCC, Stakeholder meeting and Task Force meeting, records of workshops and seminars held in a course of the Project implementation</u>	Annual report of DOF/LWB or other <u>relevant stakeholders, minutes of JCC, Stakeholders' Meeting and Task Force meeting, working reports of the Project and the results of interviews conducted by the Project.</u>	Amended based on data availability, reliability, and relevancy.



<b>Output 3: Pilot activities based on the characteristics of Olomega, and El Jocotal Lagoons are implemented as partial implementation of the management plans.</b>			
<b>Objectively Verifiable Indicators</b>	<del>3-1. The financial profits are generated by the pilot activities.</del> <del>3-2. The pilot activity is replicated at least in one (1) site in the project area other than pilot site.</del> <del>3-3. Awareness among the 50% of the community members participating in the pilot activities towards wetland conservation is improved.</del> <del>3-4. The selected drivers causing the degradation of wetlands are addressed.</del>	<u>3-1. The financial mechanisms to maintain sustainability and replicability are demonstrated in the pilot activities.</u> <u>3-2. Awareness among the 50% of the community members participating in the pilot activities towards wetland conservation is improved.</u> <u>3-3. The selected drivers causing the degradation of wetlands are considered in the selection and design of pilot activities.</u>	<p>The word "profits" is not necessary as an indicator to measure "Output 3" that pilot activities are implemented based on the management plans.</p> <p>The word "replicated" is not necessary as an indicator to measure "outcome 3" that pilot activities are implemented based on the management plans.</p> <p>Make wordings clear and concrete</p>
<b>Means of Verification</b>	<del>3-1. Financial Records of the groups participating in the pilot activities</del> <del>3-2a. Monitoring reports</del> <del>3-2b. Number of guidelines circulated</del> <del>3-3a. Number of community workshops on pilot activities held and the number of participants</del> <del>3-3b. Interview survey</del> <del>3-3c. Questionnaire survey</del> <del>3-4. Types of pilot projects and pilot sites</del>	<u>3-1a. Work plan of pilot activities</u> <u>3-1b. Report of pilot activities</u>  <u>3-2a. Number of programs and the number of participants</u> <u>3-2b. Interview survey</u> <u>3-2c. Questionnaire survey</u> <u>3-3. Project designs, plans and reports</u>	Amended based on data availability, reliability, and relevancy.
Output 4: Networking is enhanced with stakeholders concerning other wetlands in and outside of El Salvador through dissemination of knowledge and experience gained in the Project.			
<b>Objectively Verifiable Indicators</b>	<del>4-3 More than two (2) international events are organized.</del>	4-3 More than <u>one (1) national</u> event are organized.	The achievement of indicators was affected by other projects related to SICA, and the implementation of SICA project was delayed than expected, so it was necessary to change the figures.

### 3-2 協力期間の延長

2019年初めから始まったCOVID-19の影響により、JICA専門家の渡航や、現地スタッフの事務所での作業、出張などが計画通り実施できない状況になった。この間の遅延を回復し、更に追加の支援を実施するため、協力期間を6カ月延長して2021年9月までとすることが、2021年2月に両国政府により合意された。

## 4. その他

### 4-1 環境社会配慮に関する事項

本プロジェクトは環境保全と社会開発を目的としており、全ての活動は環境及び社会へ悪影響を及ぼさないように、十分な配慮を払って実施された。現在まで悪影響は確認されていない。プロジェクトでは湿地保全の能力を強化することにより、自然環境の保護を目指した。特に湿地保全と生計向上をバランスよく目標として策定されたパイロット活動を通じて、環境的および社会的側面へのプラスの影響が想定された。

### 4-2 ジェンダー配慮/平和構築/貧困削減に関する事項

プロジェクト期間における全ての活動はジェンダー、平和構築、貧困削減に悪影響を及ぼさないように配慮して実施されており、今までのところ悪影響は確認されていない。プロジェクトの対象地においてジェンダー配慮や平和構築における深刻な問題は確認されていないが、貧困は深刻な問題の1つである。パイロット活動は、将来、対象地域の貧困削減に貢献する可能性がある。またパイロット活動の策定プロセスでは、女性の適切な参加が確保された。

## III. 合同評価の結果

### 1. DAC 指標を使った評価の結果

注) 評価の基準: 1.とても高い、2.高い、3.やや高い、4.やや低い、5.低い、6.とても低い

#### 1-1 妥当性

とても高い

本プロジェクトは、以下の理由から妥当性がとても高いと判断できる。

#### (1) 優先度

##### 【日本の援助政策との整合性】

－我が国の援助政策において環境保全は重点分野であり、また「対エルサルバドル国 国別援助方針(2012)」にある東部地域への重点的支援(東部開発プログラム)という視点からも、本プロジェクトは日本の援助政策及び事業実施計画に沿った協力と言える。

##### 【エルサルバドル国の開発政策との整合性】

－「国家環境政策(2012)」、「国家環境戦略(2013)」、「国家5カ年計画(2014-19)」など、主要な開発政策では、湿地保全・環境保全が重点分野として含まれており、また「国家湿地計画(2016)」などの湿地保全に直接関連した政策の実施を支援しているため、エルサルバドル国の開発ニーズと合致していると言える。

－一方、「中米湿地・ワイズユーズ政策(2002)」、「中米環境戦略(2014)」といった中米地域の政策においても、湿地保全は重点となっており整合性がある。

#### (2) 必要性

##### 【実施機関及び対象地の関係者のニーズ】

－本プロジェクトは、上述したエルサルバドル国の湿地保全に関連する開発政策を実施する上で必要な技術を、C/P 機関が獲得することを目的としており、MARN に加えて MAG、MITUR などの関係政府機関からの必要性は高い。他方、地方湿地管理委員会の設立やパイロット活動の実施を通じて、地方レベルの湿地保全のための体制強化、関係者の能力向上を行ったが、そのニーズは高い。更にパイロット活動を通じて直接的なコミュニティへの裨益も計画しており、それはニーズに合致しているものから選択された。

#### (3) 手段としての適切性

##### 【保全課題の解決手段として適切性】

－プロジェクトが採用するラムサール条約を通じて示された理念や技術指針などは、エルサルバドル国において湿地保全を行う上での技術的な指針として扱われている。他方、本プロジェクトは中央政府レベルでの他省庁や、地方自治体、民間を巻き込み、湿地保全を促進するため

の活動を実施した。中央と地方の協働体制を構築するとともに、民間を含めて広く能力向上を行うことは、エルサルバドル国においても重要視されており、したがって保全課題の解決手段として適切だったと判断される。

#### 【プロジェクト目標の内容】

－プロジェクト目標にある「モデル的アプローチ」とは、主要な活動について、方法論、運営、モニタリング評価などを明確にして、将来のモデルとなり得る活動とすることを意味する。これにより上位目標の「モデル的アプローチ」が「エ」国の他の湖で適用されることが可能になる。

#### 【他ドナーとの援助協調】

－本プロジェクト対象地では、GEF 資金による UNDP プロジェクト「Conservation, sustainable use of biodiversity, and maintenance of ecosystem services in protected wetlands of international importance」が実施中であった(2016 年～2020 年)。この事業の C/P は、本プロジェクトと同じく MARN 湿地ユニットであり、内容についても本プロジェクトとの関連性が極めて高かった。

－プロジェクト開始段階に、プロジェクト成果や影響の効果的かつ効率的な発現に繋がる連携や役割分担を協議するとともに、実際の活動ではワークショップを共同実施するなど、援助協調を積極的に行った。

－他方両湖の周辺では、これまでも UNDP-GEF や FIAES(アメリカ・エルサルバドル基金)、スペイン政府などにより、ホテイアオイの除去・コンポスト施設の設置、「戦略と実施計画」の策定など、様々な活動が実施されてきた。本プロジェクトは、これら過去の取組を詳細に分析した上で、それらの成果を踏まえる形で実施した。

### 1-2 有効性

とても高い

本案件は、以下の理由から有効性がとても高いと判断できる。

#### (1) プロジェクト目標の内容

－本プロジェクトは、「湿地保全とワイズユーズのモデル的アプローチとして、オロメガ湖及びホコタル湖での統合的管理を推進する組織体制を整備すること」をプロジェクト目標としている。湿地保全には、周辺地域の環境保全が必要不可欠となるため、湿地を取り巻く関係諸機関やコミュニティが合意・協力しながら活動を展開することが必要となる。このような、湿地の総合的管理を推進するための組織体制、即ち管理・実施体制(ガバナンス)の強化が、プロジェクト目標レベルにおける中心的な課題であり、プロジェクト目標は明確である。

－上位目標では、「モデル的アプローチ」が、エルサルバドル国の他の湿地で適用されることを目指しているが、本「モデル的アプローチ」とは、モデルとなり得るように実施された成果 1～4 の活動が、単体もしくはパッケージなどとして普及することを指しており、上位目標へ繋がるよう計画されている。

## (2) プロジェクト目標と成果の因果関係

本プロジェクトでは、プロジェクト目標の達成に向けて4つの成果が設定されている(成果1:組織横断的な湿地保全体制の構築、成果2:湿地管理計画の策定、成果3:湿地保全と生計向上のパイロット活動の実施、成果4:関係者間のネットワーク強化)。それぞれプロジェクト目標へ繋がるもので、成果とプロジェクト目標の因果関係は論理的である。

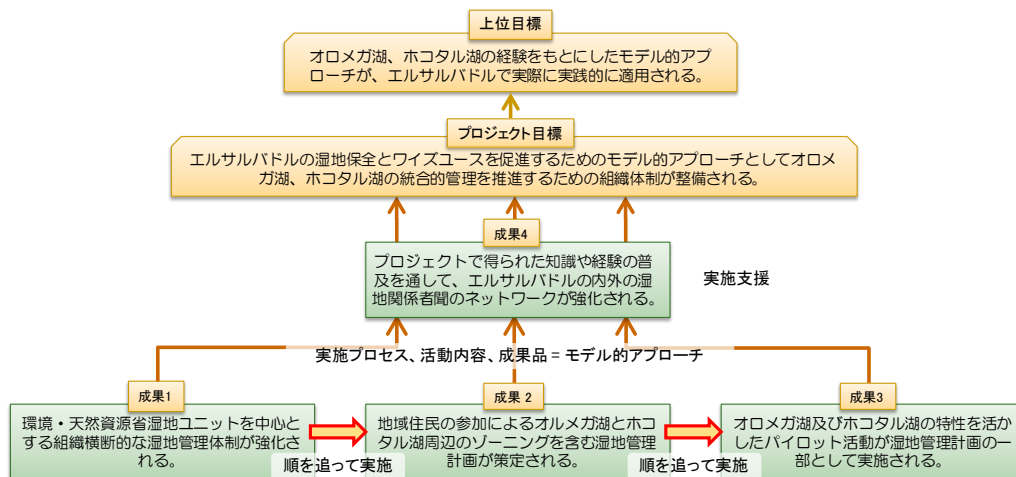


図 1: 各成果とプロジェクト目標、上位目標の関係

### 1-3 効率性

やや高い

本案件は、以下の理由から効率性はやや高いと評価できる。

#### (1) 投入の規模とタイミング、期間

本プロジェクトの日本側の主な投入は、専門家の派遣、車両及び機材、パイロット活動の実施に必要な資金であった。この中で大きな部分を占めるのがパイロット活動の実施のための投入であった。その活動内容は、プロジェクト開始後にゾーニングなどで実施対象地域を検討しながら、湿地管理計画を作成するプロセスを通じて具体化され、その詳細が決定した後に、最も適した投入の規模やタイミングを決めた。このアプローチは、事業の有効かつ効率的な実施を助けた。

更に、MAG や UNDP などが関連した活動を実施中であって、これらの活動との重複を避け、相乗効果が期待できるように活動を実施した。また JICA エルサルバドル事務所のイニシアチブの下、東部開発プロジェクトなど、日本の他協力と相乗効果を高めるための協議も行った。

#### (2) 成果と活動の因果関係

成果1で設立・強化された地方湿地管理委員会は、成果2の湿地管理計画を策定する際の支援並びに審議する機関となった。更に成果3においては、湿地管理委員会の調整の下で、湿地管理計画で規定された活動をパイロット活動として支援した。一方成果4は、成果1～3の効果的な実施を側面支援するものである。PDMには、それらの成果を効率的に産出す

るために必要十分な、一連の活動が計画されており、各成果は相互に関係している。また各成果の指標は、一連の活動の結果を評価するために必要十分なものが設定された。

### **(3) アウトプットの効率的な発現**

– 湿地管理計画は、当初はその生態系としての一体性や2つの湿地管理委員会を兼務するメンバーが多いことなどを考慮して、オロメガ湖、ホコタル湖の2つのラムサール湿地を統合した形で一冊を作成する計画とし、これは各地方湿地管理委員会の会合にて承認されていた。しかしながらドラフト完成後に、各湿地で2冊に分けることがMARNにより決定され、改定作業に多大な労力を費やした。またアトラス、湿地管理計画、モニタリング・マニュアルなど、多くの成果物はMARNの出版ガイドラインに則って作成し、ホームページ上で公開することを目指したが、そのためのコメントや修正指示が必ずしも明確でなかった。このため、成果物の最終化と出版に関して、計画より長くかかったケースがあった。

#### **1-4 インパクト(予測)**

とても高い

本案件のインパクトは、以下のとおりとても高いと予測できる。

##### **(1) 上位目標の内容・因果関係**

– 本プロジェクトの上位目標は、「構築された湿地保全モデルが、他の地域で適用される」というものである。したがってプロジェクト目標レベルではモデルの構築が重要であるが、本プロジェクトはそのプロセスや議論を実施段階から関係者(地元コミュニティ、地方自治体、民間等)と共有することが、上位目標の達成に繋がると考え、成果4を通じて域内外のネットワークを構築し情報発信を行うなどの活動を積極的に行った。その結果、プロジェクトが推進した湿地保全とその具体的な手法についての認知度は高く、他のラムサール湿地の活動の中で多くの類似活動が既に展開されている。将来的にも上位目標の達成に貢献するものと想定される。

##### **(2) 波及効果**

– 本プロジェクトが計画するラムサール条約に沿った地方湿地管理委員会の設立、湿地管理計画の作成は、エルサルバドル国において初めての試みであり、同条約の方法論を採用するエルサルバドル国政府によって、既に9か所ある他湿地の地方湿地管理委員会のすべてが設立されるなど、多くの波及効果が確認されている。今後、プロジェクト成果や技術ガイドラインなどを広く関係機関と共有することにより、継続した波及効果が期待される。

– またパイロット活動の選定では、土地利用や農業活動において波及効果が期待できる湿地保全の具体的なアクションを重視しており、更に民間連携やマルチステークホルダーアプローチ、参加型など、持続性も担保する手法を採用している。

##### **(3) ネガティブ・インパクト**

– 本プロジェクトによる直接的なネガティブ・インパクトは想定されていない。ただし、プロジェクトが実施するゾーニングでは、利害関係者との調整不足から周辺地域の住民の対立を招くこと

が懸念された。また特定のコミュニティ・住民に対する支援が、活動に参加していない住民のねたみを招く可能性も否めない。本プロジェクトを実施する際には、こういったネガティブ・インパクトが発生しない、あるいは最小化されるようにと努めた。具体的には、参加型で住民のコンセンサスを担保しながら進めたり、保全による住民の負担を軽減・補償するアプローチを採用した。なお、プロジェクトによる技術移転では、そのような湿地保全における潜在的なネガティブ・インパクトの可能性やその緩和策についても併せて指導していくことが重要であると考え、様々な活動を実施した。

## 1-5 持続性(見込み)

やや高い

本案件による効果は、以下の理由から相手国政府によりプロジェクト終了後も持続するものと見込まれる。

### (1) 政策・制度面

– プロジェクトのめざす方向(上位目標、プロジェクト目標)は、エルサルバドル国の優先課題と合致しており、PDM に整理されたプロジェクトデザインは、同国政府の政策実施に直接寄与するように計画されている。成果 3 のパイロット活動では、特に土地利用や農業活動における湿地保全の具体的な手法を、政策レベルへ反映する活動を実施した。成果 1 における国家・地方湿地委員会の設立では、政策・制度実施に留まらず、関連法規や定款作成などを行い、政策・制度面の充実へも寄与した。以上により、政策・制度面での持続性は確保されることが見込まれる。

### (2) 実施機関の体制

– すべてのプロジェクト活動は MARN の業務分掌を踏まえたものであり、したがってプロジェクト活動は MARN の本来業務として、プロジェクト終了後も組織面での持続性がはかられることが見込まれる。一方、本プロジェクトでは、湿地のワイズユーズを促進する目的で、適切な土地利用や適性農業プラクティスの導入を推進した。それらは直接的には MARN の業務分掌とは言えない。したがって関連技術を継続して利用・発展させて行くためには MARN だけでは限界があるので、MAG を始めとする政府関連機関・部署に加えて、更に民間とも緊密な連携体制を保つための活動を実施した(例: マルチステークホルダーによる委員会の設置・運営等)。成果 3 では、組織面の持続性を高めるために民間のサウキビ業界との連携や調整を重視してパイロット活動を実施した。

– 本プロジェクトでは、法律に定められたルールに従い、中央レベルが主体となって湿地管理計画を作成した。一方パイロット活動は、地方湿地管理委員会の意見を聞きながら、彼らの参加の下で選択・形成した。これらの活動は、各湿地管理委員会が独自に湿地保全を進めて行くための第一歩であった。また、組織面の持続性を高めるだけでなく、プロジェクト活動を通じて蓄積された技術が湿地委員会を通じてプロジェクト終了後も持続的に利用されることにも繋がる。

- その他パイロット活動では、湿地保全の一環として防災や所得向上に繋がる活動を実施した。これにより湿地保全と生計の関連性についての住民の理解を高めるなど、湿地保全活動を地域の協力を得て持続的に実施していく環境づくりにも貢献できた。これは、地域レベルでの組織的な持続性に貢献することが期待される。

### **(3) 実施機関の技術**

- カウンターパートへの技術移転は、OJT 及び本邦研修を通じて実施された。さらに成果物として、湿地管理委員会の運営ガイドラインや、湿地管理計画策定ガイドライン、ワイズユーズに係る事例分析など、他の地域でのモデルの適用に資するものを作成している。

- 特にパイロット活動を通じては、アグロフォレストリーやシルボパスチャーの技術に関して、対象地域に不在の実装できる技術を開発した。更に生物多様性・湿地生態系のモニタリング技術の導入、技術的に適正なゾーニング方法の導入など、技術の継続的活用と普及に寄与する活動を実施した。

### **(4) 実施機関の財務**

- プロジェクトで構築した統合的湿地保全モデルがプロジェクト終了後も維持されるためには、①プロジェクト活動が政策へ反映され、②湿地ユニットの実施能力や予算が強化され、また③民間との連携が促進されることが重要である。そのために必要な支援を行った。

- 一方で、湿地保全の取組そのものが、経済・財政上の持続性を確保するためには、政策的なプライオリティの変化や政権交代などに影響されない仕組みが必要不可欠である。本プロジェクトは、特に地方レベルでの保全活動が、経済的な持続性を担保することが重要と考え、それを強化するための様々な活動を実施した。例えば民間企業からの寄付や、彼らの既存の活動と連携して実施した保護区(ANP)管理や、地域のインフラ整備プロジェクトの環境補償金を使って、プロジェクトの農地管理技術の普及を働きかけるなどが行われた。

## **2. 実施とアウトカムに影響を与えた主な要因**

### **2-1 結果にポジティブな影響を与えた要因**

プロジェクトが成功裏に進んだ主な理由は以下のとおりである。

#### **(1) エルサルバドル政府のオーナーシップ**

- プロジェクト活動は、MARN の強力なイニシアチブの下で実施された。さらに、MARN の湿地ユニットは、プロジェクトの結果を利用して、湿地の保全を改善するために国内の他の地域に複製することに熱心に取り組んだ。例えば地方湿地委員会を設立する活動では、プロジェクトとしてはホコタル湖とオロメガ湖のそれぞれに委員会を設立するプロセスを完了したが、その経験に基づいて、他の7つの委員会がMARN自身のイニシアチブによって設立された。そのようなMARNのオーナーシップは、プロジェクト終了後のプロジェクト活動の持続性確保に貢献すると考えられる。

## **(2) MARN と JICA のプロジェクトメンバー間の関係性とコミュニケーション**

– 日本人専門家並びに JET スタッフは、同じ建物の同じ階で働く MARN の C/P スタッフと、定例の会合を設定しなくとも、緊密に連絡を取り合うことが出来た。これにより、チームメンバーは状況の理解を共有し、効率的にプロジェクト活動を実施する方法について頻繁に話し合うことが出来た。さらに、UNDP-GEF のような他のドナー支援のプロジェクトのスタッフとも緊密に連携したため、関係者間のコミュニケーションと調整もスムーズであった。

## **(3) 民間セクターからの資金援助や活動の連携**

– プロジェクト対象地域であったオロメガ湖、ホコタル湖周辺での活動では、地域の民間セクターに積極的に働きかけた結果、自然保護区(ANP)管理やサトウキビ農地の持続的管理などについて、資金援助を得たり、活動を連携して行うことができた。これにより、資金、人材、技術面で十分でない MARN の地方事務所が、積極的かつ主体的に活動に取り組むきっかけとなった。また地域ベースの持続性を担保することにも繋がった。

## **2-2 結果にネガティブな影響を与えた要因**

以下にプロジェクトがこれまでに経験した主な課題を記述する。

### **(1) MARN の内部プロセスの遅延**

– MARN の内部レビューおよび承認プロセスの遅延は、プロジェクトの実施の効率を妨げる可能性があった。主要なプロジェクト成果物はすべて、事前に大臣官房または広報室に送付してレビューする必要があったが、プロジェクトは期待どおりに迅速な対応を得ることができなかった。

### **(2) MARN の人材不足**

– MARN の湿地ユニットの人員は限られており、プロジェクト活動以外にもさまざまな任務があった。本プロジェクトは技術協力であり、JICA チームと MARN チームは協力によりプロジェクト活動を実施する必要があったが、C/P が JICA チームの期待通りに時間を割くことが出来ない場合があった。

### **(3) セキュリティ上の懸念**

– JICA のセキュリティポリシーによると、プロジェクトの対象地域全体が「非常に危険」とされており、特に日本人専門家や女性スタッフが自由に動き回ることが制限されていた。このような治安状況の問題は、特に地域社会との緊密なコミュニケーションが必要な活動を妨げ、非効率的にする可能性があった。

## **3. プロジェクトのリスク管理の結果の評価**

以下にプロジェクトリスク管理の結果の評価を記述し、またリスク管理モニタリング用に使用したマトリクスを表 6 に示す。



### 3-1 プロジェクト目標レベルでのリスク管理

最も顕著なリスク要因は、政権交代や執行部の交代、またそれに付随するプロジェクト C/P の交代によるプロジェクト活動への悪影響であった。このリスクを予防、軽減するために、定期的な情報収集と、関係者との密なコミュニケーションによる予測と早期の対策、事態改善への働きかけを行った。また、JICA 専門家チームの体制を強化し、プロジェクト活動の停滞時の運営支援、C/P の交代直後の引継などに、常時対応できる体制を構築した。

上記により、政権交代、環境大臣の交代や、プロジェクト期間中に突然起きたプロジェクト・マネージャーの交代、C/P スタッフの退職や交代では、プロジェクト活動が阻害される大きなリスクに直面したが、C/P と意思疎通を密に図りながら活動を進め、悪影響を最低限とすることが出来た。

他方、活動を地方で展開するには、治安面の問題が大きなリスク要因であった。プロジェクトではリスクを回避、また起きた際に影響を最小限に留めるため、JICA 専門家チーム、JICA エルサルバドル事務所内に緊急ガイドラインと緊急通信ネットワークを装備するなどの対策を取るとともに、頻繁に現地とのコミュニケーションを取れる体制を構築して、正確な状況認識に努めた。またタイムリーな指示を行った。幸い、大きな事故・事件に巻き込まれず、プロジェクト期間を終えることが出来た。

### 3-2 成果レベルでのリスク管理

以下の対策により、プロジェクトが直面したリスクの影響は最小限に留められた。

#### (1) 成果 1

顕著なリスク要因として、活動を実施する前提条件でもあったラムサール湿地保全に関する各種法令が、プロジェクト開始時点で全く整備されていなかったことが挙げられる。特に湿地管理委員会の設置法がないため、成果 1 で計画された活動が始められない状況であった。このリスクに適応(影響を最低限に留める)するために、活動計画を柔軟に修正しながら、必要不可欠な法令に特化した支援を新たに追加するなど、柔軟な軌道修正と、そのための JICA 専門家チームの体制強化を行った。この結果、影響は最低限に留まった。

#### (2) 成果 2

湿地管理計画を策定する過程では、関係者との頻繁なコンサルテーションが必要不可欠であり、したがって中央、地方の湿地管理委員会、また関係機関の担当者など、その相手が定まっていることが前提であったが、上述したように多くの重要な組織や役職が定まっていなかった。また策定する主体として地方湿地管理委員会が想定されていたが、人材・予算・権限などの問題で現実的ではなかった。そのためプロジェクトは、プロジェクトが支援し策定した関連法の中で、策定の主体を地方湿地管理委員会ではなく中央としたことや、湿地管理委員会の構成メンバーを計画策定の支援に必要なメンバー構成とし、また MAG と MITUR に対してフォーカルパーソンを定めるように大臣名で、相手機関の大臣へ依頼するなど、計画策定を可能とする環境整備を進めた。このように、本リスクの適応のための環境整備や、大臣など政治レベルへの直接的な働きかけ、実施レベルとの密なコミュニケーション、また柔軟な活動計画の修正を行い、影響を最低限に留めることが出来た。

### (3) 成果 3

4 つあったパイロット・プロジェクトのうち、1 及び 2 は MARN の本来業務の範疇でデザインしたが、3 及び 4 は土地利用や Eco-DRR など、必ずしも MARN の分掌に収まらず、したがって MAG や MITUR、地方政府など、MARN 以外の資金や技術面の協力を得ることが必要だった。したがって関連機関の理解と協力、更に活動を持続させる資金源、技術的な基盤がリスク要因であった。

このリスクに適応(影響を最低限に留める)するために、活動計画を柔軟に修正しながら、民間との連携し資金源を確保するとともに、エルサルバドルで最大産業であるサトウキビ生産団体などと協力し、先行事例である「Good Agricultural Practice(GAP)」の普及を組み込みむなどの対応を行った。活動は、GAP を長年進めて来て技術を持つ NGO と連携して実施した。その結果、影響を最低限に留めるとともに、持続性に繋がる民間や NGO 連携の事例を構築することに繋がった。

### (4) 成果 4

本成果では、MARN の正式な出版物とするための条件を満たした数多くの文書や、イベントの実施を行った。MARN の C/P の無・少配置、MARN 内部手続きの遅延などがリスク要因であった。この対策としては、事前の情報収集、密なコミュニケーション、直接的な支援による軽減と予防を行った。その結果、影響を最低限に留めることが出来た。

表 6: リスクモニタリング用のマトリックス

レベル	リスク要因	予防、回避、適応策	PDM の重要な前提条件
プロジェクト目標	<ul style="list-style-type: none"> <li>- 政権交代及び執行部の交代</li> <li>- 政策変更による優先度の変化</li> <li>- 組織改編による実施体制の阻害</li> <li>- C/P 要員の無・少配置</li> <li>- C/P 要員の交代</li> </ul>	<ul style="list-style-type: none"> <li>- 情報収集と頻繁なコミュニケーションによる予測と早期の対策</li> <li>- MARN に対する働きかけ</li> <li>- JICA 専門家チームの体制強化</li> </ul>	<ul style="list-style-type: none"> <li>- Management improvement and establishment of PA are priority activities in PPA implementation for MARN.</li> <li>- Local governments around VNP have strong commitments for landscape-level environmental management.</li> </ul>
成果 1	<ul style="list-style-type: none"> <li>- 関連法の整備状況</li> <li>- 政治レベルの理解と支援</li> </ul>	<ul style="list-style-type: none"> <li>- 情報収集と頻繁なコミュニケーションによる予測と早期の対策</li> <li>- 進捗に対する支援</li> <li>- MARN に対する働きかけ</li> </ul>	
成果 2	<ul style="list-style-type: none"> <li>- 湿地管理計画の作成体制の欠如</li> <li>- 関連機関の理解と協力</li> <li>- 地域住民の理解と協力</li> <li>- 公式化のための MARN 内部手続きの遅延</li> </ul>	<ul style="list-style-type: none"> <li>- 情報収集と頻繁なコミュニケーションによる予測と早期の対策</li> <li>- 関連機関、地域住民に対する働きかけ</li> <li>- MARN に対する働きかけと直接的な支援</li> </ul>	<ul style="list-style-type: none"> <li>- Counterpart personnel are assigned for project activities</li> <li>- Technical/Administrative Coordinator is assigned on full-time basis.</li> </ul>
成果 3	<ul style="list-style-type: none"> <li>- 関連機関の理解と協力</li> <li>- 地域住民の理解と協力</li> <li>- 活動を持続させる資金源の欠如</li> <li>- 民間セクターの協力する動機の欠如</li> <li>- 活動を継続するための技術的な基盤の欠如</li> </ul>	<ul style="list-style-type: none"> <li>- 情報収集と頻繁なコミュニケーションによる予測と早期の対策</li> <li>- 地方政府、地域住民に対する働きかけ</li> <li>- 民間との連携</li> <li>- 先行事例との連携</li> <li>- 現地 NGO の最大限の活用</li> </ul>	<ul style="list-style-type: none"> <li>- Local governments around VNP have strong commitments for landscape level environmental management.</li> </ul>
成果 4	<ul style="list-style-type: none"> <li>- MARN の C/P の無・少配置</li> <li>- MARN 内部手続きの遅延</li> </ul>	<ul style="list-style-type: none"> <li>- 情報収集と頻繁なコミュニケーションによる予測と早期の対策</li> <li>- MARN に対する働きかけと直接的な支援</li> </ul>	

## 4. 教訓

以下に、プロジェクトの経験から学んだ教訓を記述する。教訓は大きなレベルから小さなレベルまで多くあるが、ここではプロジェクト全体の運営に関するものを特に抽出した。活動に実施に関する教訓は、活動コンポーネントごとに資料編 2 の活動実績報告書の中に記述した。

### (1) 状況の変化に対応した柔軟なプロジェクト実施

- プロジェクトの状況の変化に応じて、プロジェクトのアプローチを見直し、修正することが重要であった。それは効率的かつ効果的なプロジェクトの実施に貢献した。例えば成果 1 では、国家及び地方湿地管理委員会を設立することが求められていたが、そのための前提条件であった根拠、設置法、方法などがなかったことが、プロジェクト開始後に判明した。そのためプロジェクトは、それらを明確にするための新たな活動を加え、C/P である湿地管理ユニットだけでなく法務セクションなどとも協力して、結果として 8 つの関連法制度を整えた。それにより、湿地管理委員会の目的、構成メンバー、会議頻度などにも関与することになり、結果としてよりパイロット活動の実施体制の強化に繋げることが出来た。
- このように難しい状況においても、単に活動を取りやめるのではなく、できることと出来ないことを見定め、それがどのように他の活動に影響を与えるかを判断して活動を追加するなど、柔軟に対応することが重要である。また決定を適切なタイミングで行えるように、C/P 機関と JICA 専門家チームは、緊密なコミュニケーションを確立し、また JICA は、その際に専門家の新たな専門性の追加やアサインの増加などを柔軟に検討する必要がある。

### (2) 将来のインパクトを目指した計画策定と活動実施

- プロジェクトの与えるインパクトを確実にするには、実施段階だけでなく計画段階でも、対象とするオロメガ湖及びホコタル湖の関係者に留まらず、他の湿地の関係者や、将来の連携を期待する民間企業など、さまざまな利害関係者を巻き込むことが重要であった。本プロジェクトは、上位目標で定められているように、将来、他地域へプロジェクト活動が普及されることが期待されており、そのためのモデルを構築することがプロジェクト目標であった。将来の普及のためには、さまざまな利害関係者の湿地保全に対する意識向上が必要不可欠であり、プロジェクトは計画段階から様々な利害関係者へアプローチし、また緊密に連携して活動を実施することにより、将来のインパクトを確保した。

### (3) パイロット活動の設計段階での将来の複製への論理的アプローチの明確化

- フィールドレベルで実施される小規模なパイロット活動は、条件の異なる他の地域へ普及した場合でも、どういった調整を行えば、このような成果が得られるというイメージができるものである場合にのみ、将来にわたって有効になる。つまりパイロット・プロジェクトは、他の地域へ普及させることを想定した論理的なアプローチを持ちながら、異なった条件下ではどのような調整が必要かなどを明らかにして設計する必要がある。

### (4) 組織間を調整する技術の重要性

- エルサルバドルにおいて保護区管理が適正化するためには、MARN 単独でなく、関係機関や地元自治体政府、コミュニティと役割分担をしながら、エルサルバドルに適した参加型アプローチをつくりあげる必要があった。したがって MARN の能力向上(CD)で期待される技術としては、連携の枠組づくり、連携した活動の運営方法、様々なステークホルダー間の調整の方法などが最も重要であり、それらを重点として On the Job Training(OJT)にて MARN 職員の能力向上を行った。
- また上記を経て初めて州・自治体間の調整能力が向上し、異なった組織間の連携も行われるなど、全体の能力向上にも繋がった。したがって組織間調整を一つの技術として明確に認識すること、コミュニケーション手法や情報発信媒体の作成などを重点とした技術力を高めること、更にワーキング・グループを通じて様々な分野活動におけるリーダーを発掘・養成する作業が重要であり、それが結果として保護区管理モデルの構築に繋がる。

## **5. 実施とアウトカムに影響を及ぼした要素**

### **(1) 実施能力に見合った活動計画への柔軟な変更**

MARN の C/P としてプロジェクト専属の要員はおらず、すべての活動は通常業務との兼務となっているため、負担が大きかった。加えて人員や予算は限られているため、PDM で計画された活動はコンパクトに整理する必要性が1年次に判明した。2年次以降の活動では、人的・予算的な制約を考慮した上で、最優先の活動を取捨選択する分析をし、柔軟な活動計画の修正を行った。

### **(2) 法制度、政策、細則、ガイドラインへの積極的な関与**

成果 1 の前提条件であった関連法の有無を始めとした前提条件を整える作業に、プロジェクトは積極的に関与した。特にプロジェクト開始時は、成果1で求められる湿地管理委員会の設置法、定款などの法制度・政策を強化し、更に細則・ガイドラインの整備を含め支援を行った。それにより、活動を計画とおりに進めることが出来た。

## IV. プロジェクト終了後の上位目標の達成

### 1. 上位目標の達成見込み

プロジェクト活動の実施を通じて、上位目標に繋がる MARN の技術的な能力が向上したと評価できる。上位目標である他地域への普及については、既に湿地管理委員会や生態系モニタリングなどの活動を中心に、他のラムサール条約湿地への普及が確認されており、したがって上位目標が達成されることは確実な状況だと評価する。一方、課題として、MARN の実施体制と資金があり、これらは更なる補強が望ましい。

### 2. 上位目標達成のためのエルサルバドル側の実施計画と実施体制

上位目標を達成するために MARN 側に PO はないものの、通常の業務計画、モニタリングを行うことにより上位目標に向けた活動が実施される予定である。

### 3. エルサルバドル側への提言

ここでは、プロジェクト全体にかかる提言を記述する。各活動に関連する提言は、活動コンポーネントごとに資料編 2 の活動実績報告書で取りまとめた。

#### (1) 自然保護区管理に経済的な自立性に資するメカニズムの導入

生物多様性保全の活動は、多くの場合はそれ自体が収益を生む構造になっておらず、外部からの資金サポートを前提に実施されている。エルサルバドルの自然保護区は、農地改革の過程で特定・指定されており、必ずしも生物多様性上の価値を伴っていないものを含め、大小の規模で国中に点在している。管理には重要な自然保護区の選択と、資金と人材の集中が必要である。

エルサルバドルの状況を鑑みると、自然保護区管理では、全体でなく保護区単位で経済的自立発展性を高める事が鍵であり、そのために、地域に根差した企業の積極的な巻き込みや、地方部で行われる開発事業の保障金の確保、補助金など外部からの資金調達メカニズムの導入などが有効である。

また自然保護区は、調査研究の場として積極的に国内外に広報し、研究者への便宜供与(リサーチステーションの設立や公園整備等)など、様々な収入確保のための活動を展開することが、財政的に自立できる仕組みづくりに繋がる。

#### (2) 地方政府を中心とした自然保護区(ANP)の管理

地方に点在する自然保護区を管理するには、中央政府ではなく地元自治体を主体としたアプローチが効率的且つ効果的である。主体を地元の自治体やコミュニティグループにすることにより、彼らの保護区のオーナーシップを高め、監視などの協力を得やすくなるなど、地域が主体となった管理が実現し易い環境をつくることができる。プロジェクトでは、特に地方湿地管理委員会の運営や、ホコタル事務所での活動において、周辺自治体の環境課長と連携を行った。地方自治体は、地域において、人材、資金、技術などで優れている場合が多い。彼らと積極的に役割分担することにより、環境教育やエコツーリズム振興など、地域が独自に持つ

期待とニーズに対応した形の管理も実現し易い。更に中央政府と比較し、管理の意思決定の時間が短縮されることが期待できる。

### **(3) プロジェクトが立ち上げた組織の継続と湿地保全への貢献の確保**

本プロジェクトでは、ラムサール湿地のガバナンスを高めるために湿地管理委員会を始め、多くの組織横断的な枠組を立ち上げ、定款、ガイドラインなどの規定も整備した。それらの運営をプロジェクト終了後も継続させることにより、プロジェクトが実施した活動が引き継がれ、また作成したガイドラインなどの文書が活用される環境が整う。また本プロジェクトが引き出した関係者のコミットメントは、継続的に活動を実施しないと容易に失われる恐れがある。

## **4. プロジェクト終了から事後評価までのモニタリング計画**

JICAプロジェクトとしての延長はないため、今後の業務の中でMARNがモニタリングを継続する。

ANNEX 1: プロジェクトの実績

ANNEX 2: プロジェクトの成果物のリスト

(各成果物は資料編2: プロジェクトの成果物のコピー(DVD)に収納)

ANNEX 3: PDM (PDM 全てのバージョン)

ANNEX 4: R/D、M/M、Minutes of JCC (copy)

ANNEX 5: プロジェクト・モニタリング・シート (copy)

## ANNEX 1: プロジェクトの実績

## Annex 1 Results of the Project

### 1.1. List of Dispatched Experts

#### (1) Japanese Experts

	Name	Title and Specialization	MM in El Salvador	MM in Japan	Work Period
1	Mr. Koji Asano	Chief advisor / Wetland ecosystem conservation	18.50	5.68	Mar. 2016-Sep. 2021
2	Mr. Shin-ichiro Tsuji	Sub-Chief Advisor / Community development and institutional strengthening	14.33	0.00	Jun. 2016-Aug 2019
3	Dr. Michiko Ebato	Sub-Chief Advisor / Community development and institutional strengthening	0.87	3.10	Feb. 2020-Aug. 2021
4	Mr. Michiaki Hosono	Land use planning	6.00	0.00	Apr. 2016-Feb. 2017
5	Mr. Michinori Yoshino	Pilot activity management/ Land use/ Agriculture	7.10	2.50	Jul. 2017-Aug. 2021
6	Mr. Keisuke Shimizu	Land use (agriculture)	4.23	0.00	Mar. 2017-Feb. 2018
7	Dr. Yukio Nagahama	Environmental education (1) / Wetland management	18.03	2.20	Mar. 2016-Aug. 2021
8	Mr. Naoki Yamashita	Hydrology	2.40	0.00	Jun. 2016-Jun. 2017
9	Mr. Yoshihiro Tokue	Ecological zoning / Information management / GIS	7.37	0.10	Jun. 2016-Dec. 2019
10	Ms. Tamao Tada	Environmental education (2) / Public Relation	0.90	0.00	Jun. 2016-Nov. 2016
11	Ms. Aya Mizuno	Environmental education (2) / Public Relation	3.37	1.00	Feb. 2017-Mar. 2018
12	Mr. Keisuke Yanehashi	Environmental education (2) / Public Relation	5.23	4.50	Jun. 2018-Sep. 2021
		Total	88.34	19.08	

#### (2) Salvadorian Experts

	Name	Title and Specialization	Work Period
1	Mr. Edgar Ascencio	Local consultant (Community organization)	23 Jun, 2016 to 31 Aug, 2017 14 Nov, 2018 to 31 Dec, 2018
2	Ms. Flavia Cuenca	Local consultant (Wetland policies and management)	06 Jul, 2016 to 31 Dec, 2017
3	Mr. Victor Manuel Henriquez	Local consultant (Expert in wetland management plan)	15 Feb, 2016 to 31 May, 2017
4	Mr. David Castillo	Local consultant (Wetland policies and management)	01 Jun, 2017 to 31 Aug, 2021
5	Ms. Marcela Lemus	Local Consultant (Wetland Management)	01 Jun, 2017 to 30 Nov, 2020
6	Ms. Gracia Viéytez	Local Consultant (Wetland Management)	01 Jul, 2017 to 31 May, 2018
7	Ms. Paola Parada	Local Consultant (Wetland Management)	24 Aug, 2017 to 16 Aug, 2018
8	Mr. Luis Aquirre	Local Consultant (Wetland Management)	01 Sep, 2017 to 22 Dec, 2017
9	Mr. Rodolfo Rivera	Local Consultant (Wetland Management)	15 Jan, 2018 to 30 Sep, 2019
10	Ms. Leticia del Carmen Andino Martinez	Local Consultant (Wetland Management)	1 Jun, 2018 to 31 Aug, 2021
11	Ms. Alicia Diaz	Local Consultant (Wetland Management)	2 Jul, 2018 to 31 Aug, 2021
12	Mr. Juan Jose Sanchez Morales	Local Consultant (Wetland Management)	10 Sep, 2018 to 31 Dec, 2019
13	Mr. Melvi Aurelio Roque Romeo	Local consultant (Wetland policies and management)	1 Feb, 2019 to 31 Dec, 2019 15 Dec, 2020 to 31 Jan, 2021
14	Mr. Elvert Antonio Parada Palacios	Local Consultant (Wetland Management)	24 Apr, 2019 to 31 Oct, 2019
15	Mr. José Ledis Linares	Local Consultant (Researcher for rapid study of río Grande de San Miguel riparian forest species and develop of restoration prototypes and technique)	21 Jun to, 2019 to 19 Aug, 2019
16	Mr. Daniel Alas	Local Consultant (Wetland Management)	27 May, 2019 to 31 Aug, 2021
17	Mr. Jose Guillermo Rivera	Local Consultant (Wetland Management)	27 May, 2019 to 30 Apr, 2020

#### (3) Administrative Staff

	Name	Title and Specialization	Work Period
1	Rene Zuniga	Interpreter	15 Mar, 2016 to 17 Jun, 2016
2	Victor Valverde	Interpreter	29 Mar, 2016 to 28 Jul, 2016
3	Esther Romero	Secretary/Project Assistant	06 Jun, 2016 to 31 Aug, 2017
4	Ruben Vasquez	Interpreter	06 Apr, 2016 to 31 May, 2019
5	Silvia Fuentes	Secretary/ Project Assistant	01 Sep, 2017 to 30 Sep, 2021
6	Morris Cadernas	Secretary/ Project Assistant	10 Sep, 2018 to 28 Feb, 2019
7	Pablo Cardoza	Secretary / Project Assistant	18 Feb, 2019 to 30 Sep, 2021



## 1.2. List of Counterparts

### 1.2.1 MARN

Name	Title in MARN	Title in the Project	Major Role and Responsibility	Work Period
1 Mr. Carlos Giovanni Rivera	Chief, Wetland Unit	Project Manager	<ul style="list-style-type: none"> <li>- To serve as a Chief of the Team for works of MARN.</li> <li>- To coordinate and to guarantee the execution of all the prospective results of the Project</li> </ul>	Mar. 2016 to Jun. 2016
2 Mr. Jaime Espinoza	Chief, Wetland Unit	Project Manager	<ul style="list-style-type: none"> <li>- To serve as a Chief of the Team for works of MARN.</li> <li>- To coordinate and to guarantee the execution of all the prospective results of the Project</li> </ul>	Jul. 2016 to Aug. 2021
3 Mr. Luis Chipagua	Wetlands technician	Responsible Technician for Olomega Wetlands	<ul style="list-style-type: none"> <li>- Technical counterpart of the Wetland Unit for the Project, including their linking with the other wetlands of the country.</li> </ul>	Mar. 2016 to Jul. 2017
4 Ms. Rosalba Alvarenga	Wetlands technician	Responsible Technician for Jocotal Wetlands	<ul style="list-style-type: none"> <li>- Technical counterpart of the Wetland Unit for the Project, including their linking with the other wetlands of the country.</li> </ul>	Mar. 2016 to Aug. 2021
5 Mr. Luis Antonio Henriquez	Wetlands technician, strategic planning	Operative Technician	<ul style="list-style-type: none"> <li>- Technical counterpart of the Wetland Unit for the Project, including their linking with the other wetlands of the country.</li> </ul>	Mar. 2016 – Jun. 2016
6 Ms. Georgina Mariona	Wetlands technician, Focal Point Ramsar	Operative Technician	<ul style="list-style-type: none"> <li>- Technical counterpart of the Wetland Unit for the Project, including their linking with the other wetlands of the country.</li> </ul>	Mar. 2016 – Jul. 2020
7 Mr. Luis Pineda	Wetlands technician	Operative Technician	<ul style="list-style-type: none"> <li>- Technical counterpart of the Wetland Unit for the Project, including their linking with the other wetlands of the country.</li> </ul>	Jan. 2017 to Aug. 2021
8 Mr. Roberto Cerón	Chief, Hydrology Unit	Technician connected	<ul style="list-style-type: none"> <li>- Technical counterpart of the Project in the prospective results of the Project linked to their professional specialty.</li> <li>- To act as links with other sections in MARN.</li> </ul>	Mar. 2016 to Aug. 2021
9 Ms. Tily Perdonmo	Specialist in Management of Risks and Vulnerability	Technician connected	<ul style="list-style-type: none"> <li>- Technical counterpart of the Project in the prospective results of the Project linked to their professional specialty.</li> <li>- To act as links with other sections in MARN.</li> </ul>	Mar. 2016 to Aug. 2021
10 Ms. Julia María Pérez	Specialist in Climate Change Mitigation	Technician connected	<ul style="list-style-type: none"> <li>- Technical counterpart of the Project in the prospective results of the Project linked to their professional specialty.</li> <li>- To act as links with other sections in MARN.</li> </ul>	Mar. 2016 to Jun. 2017
11 Mr. Walberto Gallegos	Regional Coordinator of the Eastern Area	Technician connected	<ul style="list-style-type: none"> <li>- Technical counterpart of the Project in the prospective results of the Project linked to their professional specialty.</li> <li>- To act as links with other sections in MARN.</li> </ul>	Mar. 2016 to Aug. 2021
12 Ms. Yesenia Peñate González	GIS Technician	Technician connected	<ul style="list-style-type: none"> <li>- Technical counterpart of the Project in the prospective results of the Project linked to their professional specialty.</li> <li>- To act as links with other sections in MARN.</li> </ul>	May. 2018 to Aug. 2021

### 1.3. List of Trainings

#### 1.3.1 Trainings in Japan

- (1) Name of training: The Project for Integrated Wetland Management in Olomega and El Jocotal Lagoons, Training course in Japan, Training course in Japan  
 Period: 30 Jul. – 11 Aug. 2017

	Name	Organization	Visited Institutions and Course
1	Ms. Silvia de Larios	Directora General de Ecosistemas y Vida Silvestre / General Director of Ecosystems and Wildlife	JICA Kansai Center, University of Hyogo, Toyooka city, MLIT Toyooka Office of Rivers and National Highways, Kounotori Shicchi Net, Shiga prefecture, Shiga prefecture Southern Sewerage Works Office, International Lake Environment Committee Foundation, Lake Biwa Musium, Chubu Regional Environmental Office, Ministry of the Environment, Japan Ecotourism Society, Ramsar Center Japan, Yatsu-higata Nature Observation Center, Center for Ecological Education, JICA HQ
2	Mr. Andrés Sanchez	Técnico en Gestión de Áreas Naturales Protegidas / Natural Protected Areas Management Technician	
3	Ms. Elba Martinez	Técnica de Vida Silvestre / Wildlife Technician	
4	Mr. Jaime Espinoza	Líder del Equipo de la unidad de Humedales / Wetland Unit Chief	
5	Ms. Georgina Mariona	Técnico en Humedales, punto focal sitios RAMSAR / Wetland technician, RAMSAR focal point.	
6	Mr. Roberto Ceron	Especialista en hidrología / Hydrology Specialist	
7	Ms. Ana Domitila Perdomo de Flores	Especialista en Gestión de Riesgo y Análisis de Vulnerabilidad / Specialist in Risk Management and Vulnerability Analysis	
8	Ms. Ana Eugenia Aguilar	Técnico en Atención Ciudadana / Technician in Citizen Care	

## 1.4. List of equipment

### 1.4.1 Major Equipment Procured by JET

No.	Name of Item	#	Specification	Date of Procurement	Purpose of use	Condition / situation after the Project
1	Desktop Computer	1	Desktop Dell Inspiron 3647	Apr. 2016	MARN-JICA office	Good / Transfer to MARN in Aug 2021
2	Laptop Computer	2	Laptop Toshiba Satellite L45W-C4301K	Mar. 2016	MARN-JICA office	Good / Transfer to MARN in Aug 2021
3	Projector	1	Epson wireless Power Lite X24	Mar. 2016	MARN-JICA office	Good / Transfer to MARN in Aug 2021
4	TV Monitor	1	Smart TV SONY 48	Mar. 2016	MARN-JICA office	Good / Transfer to MARN in Aug 2021
5	Desktop Computer	1	Workstation HP Model Z440	Apr. 2016	MARN-JICA office	Good / Transfer to MARN in Aug 2021
6	Multifunctional Printer	1	MFP Canon Image Runner Advance C3330i	Apr. 2016	MARN-JICA office	Good / Transfer to MARN in Aug 2021
7	Video Camera	1	Panasonic HC-WX990M	Jun. 2016	Output3 & 4	Good / Transfer to MARN in Aug 2021
8	Canoe	1	Fiber polyester polymer (17ft x 3.6 ft x 1.44 ft, paddle & floarter equiped)	Apr. 2018	Output3	Good / Transfer to MARN in Jul. 2018
9	Drone	1	DJI Movic 2 Zoom	Sep. 2018	Output3 & 4	Good / Transfer to MARN in Aug 2021

### 1.4.2 Other equipment and consumable goods

No.	Name of Item	Quantity	Purpose of use
1	Portable CD/DVD Reader/Writer	1	MARN-JICA office
2	Projection Screen	1	MARN-JICA office
3	Chair for JET office	10	MARN-JICA office
4	Chair for Meeting room	6	MARN-JICA office
5	Chair for Meeting room	6	MARN-JICA office
6	Meeting table for JET office	1	MARN-JICA office
7	Work desks for JET office	5	MARN-JICA office
8	Work desks for JET office	4	MARN-JICA office
9	Two - Door Cabinet	1	MARN-JICA office
10	Two - Door Cabinet	1	MARN-JICA office
11	Two - Door Cabinet with drawers	1	MARN-JICA office
12	Digital Camera	11	Output3 & 4
13	Digital Camera	1	Output3 & 4
14	Portable Hard Drive	1	MARN-JICA office
15	GPS	1	Output3
16	GPS	1	Output3
17	Binoculars	1	Output3
18	Binoculars	1	Output3
19	Tripod	1	Output3
20	Network Hard Drive	1	MARN-JICA office
21	UPS	1	MARN-JICA office
22	UPS	1	MARN-JICA office
23	Voltage regulator	4	MARN-JICA office
24	Portable pH-meter	1	Output3
25	Big cooler 150 Qts	1	Output3
26	Blue ice	7	Output3
27	Blue ice	3	Output3
28	Licence ArcGIS 10.3.1 for Desktop Basic Single Use	1	MARN-JICA office
29	Licence ArcGIS 10.3.1 Spacial Analyst for Desktop Extension	1	MARN-JICA office
30	Licence ArcGIS 10.3.1 3D Analyst for Desktop Extension	1	MARN-JICA office
31	Computer Software MS Office(1)	1	MARN-JICA office
32	Computer Software MS Office(2)	1	MARN-JICA office
33	Computer Software MS Office(3)	1	MARN-JICA office
34	Computer Software Antivirus	1	MARN-JICA office
35	Computer Software Antivirus	1	MARN-JICA office
36	Computer Software Antivirus	1	MARN-JICA office
37	Computer Software Antivirus	1	MARN-JICA office
38	Ipad	1	Output3 & 4
39	Mask and Snorkel	2	Output3
40	Portable Scale	1	Output3

No.	Name of Item	Quantity	Purpose of use
41	Fishing net	1	Output3
42	Acquatic environmental table	2	Output3
43	Binoculars	2	Output3
44	Peterson birdwatching birds	2	Output3
45	Anemometer	1	Output3
46	Tripod for telescope	1	Output3
47	Measuring tape	1	Output3
48	Vernier	2	Output3
49	Mavic 2 Fly More kit	1	Output3 & 4
50	Extra Battery for Drone	2	Output3 & 4
51	Propeller Guard for Drone	1	Output3 & 4
52	Connecting cable for Drone	1	Output3 & 4
53	Micro SD card for Drone	2	Output3 & 4
54	Speaker	1	Output3 & 4
55	Telescope	1	Output3
56	Portable Hard Drive	1	MARN-JICA office
57	Network Hard Drive	1	MARN-JICA office
58	Waterproof Salt Tester	1	Output3
59	Waterproof Salt Tester	1	Output3

## 1.5. Amount of financial input

### 1.5.1 Financial input from JICA

(1000 JPY)

Item	Japanese Fiscal Year (April-March)							Total
	2015/ 2016	2016/ 2017	2017/ 2018	2018/ 2019	2019/ 2020	2020/ 2021	2021/ 2022	
1. Equipment	3,391	3,088	276	483	20	0	0	7,258
1.1 Equipment Procured by JICA El Salvador Office	2,913	0	0	0	0	0	0	2,913
1.2 Equipment Procured by JET	478	3,088	276	483	20	0	0	4,345
2. Dispatchment of JET			43,095				48,808	91,903
3. Operating costs	5,097	57,982	49,658	51,944	39,526	9,281	11,536	225,024
3.1. JICA El Salvador Office	1,094	2,282	0	0	0	0	0	3,376
3.2. Operating cost by JET	4,003	55,700	49,658	51,944	39,526	9,281	11,536	221,648
4. Cost of trainings in Japan	0	0	8,723	0	0	0	0	8,723
5. Project formulation/ Evaluation	4,772	0	0	0	0	0	0	4,772
Total	26,389	74,199	71,786	65,556	52,675	22,410	24,665	337,680

### 1.5.2 Financial input from MARN

(USD)

No.	Item	Year						Total
		2016	2017	2018	2019	2020	2021	
1.	Personnel Expenses	26,283.01	38,675.97	41,263.17	42,267.26	40,881.56	25,664.27	215,035.24
2.	Maintenance of Vehicles	480.00	480.00	480.00	480.00	480.00	1,040.00	3,440.00
3.	Gasoline for Vehicles	1,500.00	2,500.00	3,500.00	3,500.00	3,500.00	3,000.00	17,500.00
	Total	28,263.01	41,655.97	45,243.17	46,247.26	44,861.56	29,704.27	235,975.24

## ANNEX 2: プロジェクトの成果物のリスト

List of products from February 2016 to October 2021 / Lista de productos desde el febrero 2016 hasta el octubre 2021  
 Management and Administration/ manejo y administración

Activity/ Actividad	Number/ Número	Name of deliverable/ Nombre de producto	Date of delivery/ Fecha
	1	Annual progress report 2016	Dec-16
	2	Annual progress report 2017	Dec-17
	3	Minutes of the meeting of the 1st JCC meeting	Jun-16
	4	Minutes of the meeting of the 2nd JCC meeting	Jun-17
	5	Action plans prepared by the participants of the training in Japan	Aug-17
	6	Midterm Completion Report	Apr-18
	7	Annual progress report 2018	Apr-19
	8	Annual progress report 2019	Dec-19

List of products from February 2016 to December 2016 / Lista de productos desde el febrero 2016 hasta el diciembre 2016  
Output 1

Activity	Action	Number	Name of deliverable	Date of delivery	Expert in charge
1.1	1.1.1		See sheet "Output 1.1.1_2016"		
	1.1.2	1	Inception Workshop Program	Apr-16	Nagahama
		2	Inception Workshop Participant List	Apr-16	Nagahama
		3	Inception Workshop Report	Apr-16	Nagahama
		5	Concept for creation of local committee ESP	Jul-16	Tsuji
		6	Concept for creation of local committee	Jul-16	Tsuji
		7	Borrador reglamento interno Comite Nacional Ramsar	Aug-16	Tsuji
		8	Cronograma de Trabajo - Lineamientos y Acuerdos02	Sep-16	Tsuji
		10	Documents for 1st National Workshop	Nov-16	Tsuji
		11	Reporte taller comite local 27-09-2016	Sep-16	Tsuji
		12	Programa Taller 23-11-2016 ESP 03	Nov-16	Tsuji
		13	Presentacion Acuerdo creacion Comite Local 23-11 (5)	Nov-16	Tsuji
		14	Hoja de trabajo 15-11 (v final)	Nov-16	Tsuji
		15	Ayuda Memoria	Nov-16	Tsuji
		16	Observaciones para el borrador de Lineamientos para la creación de Comités Locales	Nov-16	Tsuji
1.2	1.2.1	1	Reference list on environment of the both lagoons	Apr-16	Nagahama
		2	Reference list on organisms of the both lagoons	Apr-16	Nagahama
		3	Summary Meteo-Hydrological Record	Dec-16	Yamashita
		4	Monthly Rainfall (San Miguel)	Dec-16	Yamashita
		5	Monthly Rainfall (Olomega)	Dec-16	Yamashita
		6	River Flow Dishcharge-Sedement Flow Rating Curve	Dec-16	Yamashita
		8	Reporte lanzamiento proyecto GEF 18-10	Nov-16	Tsuji
		9	Resumen de Iniciativas Tsuji01	Nov-16	Tsuji
		10	Wetland Management Plan Tsuji ver02	Nov-16	Tsuji
		11	Informe Final A 01-09	Nov-16	Tsuji
	1.2.2	1	ToR for eraboration of inventory of flora and fauna of project targeted	Nov-16	Nagahama
		2	Eraboration of inventory of flora and fauna of project targeted area	Nov-16	Nagahama
1.3	1.3.1		-	-	-
1.4	1.4.1	1	Data availability on Hydrology and Water Quality	Dec-16	Yamashita
1.5	1.5.1		-	-	-
1.6	1.6.1		-	-	-



## List of Major Products in Management and Administration : March - December 2016

## Output 1: Legislative frameworks

Activity	Action	Number	Nombre Documento	Name of Document	Fecha / Date	Revisó / Final Review	Fecha / Date	Aprobó / Approved by	Expert in charge
1.1	1.1.1	1	Guía Técnica para elaborar el Plan de Manejo de Sitios Ramsar y otros humedales. /	Technical Guide for the Elaboration of Management plans for Ramsar sites and other wetlands	Sep-16	Javier Arturo Magaña Rivas (Gerente de Áreas Naturales Protegidas y Corredor Biológico)	Sep-16	Silvia Margarita Hernández de Larios (Directora General de Ecosistemas y Vida Silvestre)	Asano
		2	Decreto No. 54.- Creación de Comité Nacional de Humedales /	Decree No. 54. Creation of National Wetland Committee	Sep-16	Salvador Sánchez Ceren (Presidente de la Republica)	Sep-16	Publicación Diario Oficial	Asano
		3	Acuerdo No. 000, "Guía para la conformación de comités locales Ramsar de El Salvador"	Agreement No. 000 "Guide for the formation of local Ramsar Committees in El Salvador"	-	-	Nov-16	Lina Dolores Pohl Alfaro (Ministra de Medio Ambiente v	Asano
		4	Acuerdo No. 122; "Plan Nacional para el mejoramiento de los humedales en El Salvador"	Agreement No. 122; "National Improvement Plan for wetlands in El Salvador"	-	-	Apr-16	Lina Dolores Pohl Alfaro (Ministra de Medio Ambiente v	Asano
		5	Acuerdo No. 361; "Creación de Comité Local Jocotal"	Agreement No. 361; "Creation of Jocotal Local Committee"	-	-	Nov-16	Lina Dolores Pohl Alfaro (Ministra de Medio Ambiente v	
		6	Acuerdo No. 382; Creación de Comité Local Olomega	Agreement No. 382; "Creation of Olomega Local Committee"	-	-	Nov-16	Lina Dolores Pohl Alfaro (Ministra de Medio Ambiente v	Asano
		7	Borrador Reglamento Interno COMITE NACIONAL DE RAMSAR	-	-	-	Dec-16	-	Tsuji
		8	Spanish Copy of Work items for establishing the National Committee_06-10-2016	-	-	-	Dec-16	-	Tsuji

## List of products from January to December 2017 / Lista de productos desde el enero hasta el diciembre 2017

## Output 1

Activity / Actividad	Action/ Acción	Number / Número	Name of deliverable / Nombre de producto	Month / Mes	Expert in charge / Experto en carga
1.1	1.1.1	1	Draft internal regulation of the national committee	Oct-17	Tsuji
		2	Draft work plan for national wetland CEPA action plan	Jul-17	Nagahama
	1.1.2	1	Act on Board member election of the local wetland management committee of El Jocotal	Mar-17	Tsuji
		2	Internal regulation of the local wetland management committee of El	May-17	Tsuji
		3	Act on swearing of the local wetland management committee of El	Mar-17	Tsuji
		4	Act on Board member election of the local wetland management committee of Olomega	Mar-17	Tsuji
		5	Internal regulation of the local wetland management committee of	May-17	Tsuji
		6	Act on swearing of the local wetland management committee of	Mar-17	Tsuji
1.2	1.2.2		Final report of inventory survey (outsourced biodiversity survey)	Jul-17	Nagahama
1.4	1.4.1	1	Contract of monitoring manual and distribution of fauna and flora	Apr-17	Nagahama
		2	monitoring manual of water quality	Dec-2017	Nagahama
		3	Draft monitoring menu of land use	Dec-2017	Tokue
1.5	1.5.1		Updated RIS	Jul-17	Nagahama

## List of products from January to December 2018 / Lista de productos desde el enero hasta el diciembre 2018

## Output 1

Activity / Actividad	Action/ Acción	Number / Número	Name of deliverable / Nombre de producto	Month / Mes	Expert in charge / Experto en carga
1.1	1.1.1	1	Draft work plan for national wetland CEPA action plan	Dec-17	Nagahama
		2	Draft minutes of meeting of the 1st national committee assembly	Apr-18	Asano
		3	ENG 1st National Committee Meeting Report 2018	Apr-18	Asano
		4	ESP Act of the 1st National Committee Meeting 2018	Apr-18	Asano
		5	ESP Agenda for 1st National Committee Meeting 2018_0413	Apr-18	Asano
		6	ESP Brief for 1st National Committee Meeting 2018	Apr-18	Asano
		7	ESP List of Participants for 1st National Committee Meeting 2018	Apr-18	Asano
	1.1.2	1	The final draft of the CEPA national plan	Apr-18	Nagahama
	1.1.3	1	CEPA National Plan	Dec-18	Nagahama
1.4	1.4.1	1	Water quality monitoring plan for Olomega & El Jocotal	Dec-17	Nagahama
		2	Draft Monitoring plan of Jasinto and wetland ecosystem in Laguna El	Nov-18	Tokue
		3	Draft Monitoring plan of ANP Restoration	Nov-18	Tokue
1.5	1.5.1	1	Ramsar information sheet for El Olomega & Jocotal	Dec-17	Nagahama
		2	Proposed boundary of ramsar wetland	Sep-18	Tokue

List of products from January to December 2019 / Lista de productos desde el enero hasta el diciembre 2019  
Output 1

Activity / Actividad	Action/ Acción	Number / Número	Name of deliverable / Nombre de producto	Month / Mes	Expert in charge / Experto en carga
1.1	1.1.1	1	ESP 1st National Committee Meeting Report 2019	Dec-19	Asano
		2	ESP Act of the 2nd National Committee Meeting 2019	Dec-19	Asano
		3	ESP Agenda for 2nd National Committee Meeting 2019	Dec-19	Asano
		4	ESP List of Participants for 2nd National Committee Meeting 2019	Dec-19	Asano
	1.1.2	1	ESP Agenda for General Assembly El Jocotal 2019	Apr-19	Asano
		2	ESP Agenda for General Assembly Olomega 2019	Apr-19	Asano
		3	ESP Brief for General Assembly of Ramsar Local Committees 2019	Apr-19	Asano
		4	ESP List of Participants General Assembly of Olomega & El Jocotal	Apr-19	Asano
	1.1.3	1	CEPA Annual Action Plan 2019	Feb-19	Nagahama
1.2	1.2.1	1			
	1.2.2	1			
1.3	1.3.1	1			
1.4	1.4.1	1	Water quality monitoring manual in El Salvador	Feb-19	Nagahama
		2	Proposed monitoring plan of invasive aquatic plants and wetland ecos	Dec-19	Tokue
		3	Proposed monitoring plan of ANP Las Moritas	Dec-19	Tokue
		4	Manual of analyzing drone image	Dec-19	Tokue
		5	Annual report of water quality monitoring in Olomega 2018	Mar-19	Nagahama
		6	Annual report of water quality monitoring in El Jocotal 2018	Feb-19	Nagahama
		7	Rapid report of water quality monitoring February 2019	Feb-19	Nagahama
		8	Rapid report of water quality monitoring April 2019	Apr-19	Nagahama
		9	Rapid report of water quality monitoring June 2019	Jun-19	Nagahama
		10	Rapid report of water quality monitoring August 2019	Aug-19	Nagahama
		11	Rapid report of water quality monitoring October 2019	Oct-19	Nagahama
		12	Rapid report of water quality monitoring December 2019	Dec-19	Nagahama
		13	Annual report of water quality monitoring in Olomega 2019	Dec-19	Nagahama
		14	Annual report of water quality monitoring in El Jocotal 2019	Dec-19	Nagahama
		15	Dry season Biodiversity Monitoring Report 2019	Jun-19	Nagahama
		16	Wet season Biodiversity Monitoring Report 2019	Dec-19	Nagahama
		17	Biodiversity Monitoring Annual Report 2019	Dec-19	Nagahama
1.5	1.5.1	1			
1.6	1.6.1	1			
	1.6.2	1			

List of products from January to December 2020 / Lista de productos desde el enero hasta el diciembre 2020  
Output 1

Activity / Actividad	Action/ Acción	Number / Número	Name of deliverable / Nombre de producto	Month / Mes	Expert in charge / Experto en carga
1.1	1.1.1	1	Act of the 3rd National Ramsar Committee meeting	Dec-20	Asano
		2	ESP Act of the 3rd National Committee Meeting 2020	Dec-20	Asano
		3	ESP Agenda for 3rd National Committee Meeting 2020	Dec-20	Asano
		4	ESP List of Participants for 3rd National Committee Meeting 2020	Dec-20	Asano
		5	ESP Brief for 3rd National Committee Meeting 2020	Dec-20	Asano
		6	ESP Press release for 3rd National Committee Meeting 2020	Dec-20	Asano
	1.1.2	1	Act of Electronic Voting in El Jocotal Local Ramsar Committee	Nov-20	Asano
		2	Act of Electronic Voting in Olomega Local Ramsar Committee	Nov-20	Asano
		3	ESP_El Jocotal Virtual Election Act_2020	Aug-20	Asano
		4	ESP_Olomega Virtual Election Act_2020	Aug-20	Asano
		5	ESP_Olomega Virtual Election Act_2020 signed	Aug-20	Asano
		6	ESP_Process Manual for Virtual Elections of Local Committees	Aug-20	Asano
		7	ESP_Voters for El Jocotal Virtual Election_2020	Aug-20	Asano
		8	ESP_Voters for Olomega Virtual Election_2020	Aug-20	Asano
	1.1.3	1	Informe del avance CECOP 2020 (ES) 2020	Nov-20	Nagahama
		2	Presentacion de avances Plan de Accion 2020 (ES) 2020	Dec-20	Nagahama
		3	Plan de Acción CECOP 2021 (ES) 2020	Dec-20	Nagahama
1.2	1.2.1	1			
	1.2.2	1			
1.3	1.3.1	1			
1.4	1.4.1	1	Informe trimestral monitoreo de calidad de agua, Octubre2020	Oct-20	Nagahama
		2	Informe anual de monitoreo de calidad del agua en laguna de Olomega	Dec-20	Nagahama
		3	Informe anual de monitoreo de calidad del agua en laguna de El Jocotal	Dec-20	Nagahama
		4	Informe Anual de Monitoreo de Biodiversidad en El Jocotal y Olomega	Oct-20	Nagahama
1.5	1.5.1	1			
1.6	1.6.1	1	Borrador reglamento interno Comité Nacional Ramsar (Draft)	Jan-20	Asano
		2	Revised Internal Regime of the National Ramsar Committee	Dec-20	Asano
	1.6.2	1			

List of products from January to October 2021 / Lista de productos desde el enero hasta el octubre 2021  
Output 1

Activity / Actividad	Action/ Acción	Number / Número	Name of deliverable / Nombre de producto	Month / Mes	Expert in charge / Experto en carga
1.1	1.1.1	1	ENG Report of 4th National Committee Meeting 2021	May-21	Asano
		2	ESP Agenda for 4th National Committee Meeting 2021	May-21	Asano
		3	ESP Formal Invitation 4th National Committee Meeting and ISCOS	May-21	Asano
		4	ESP Informal Invitation 4th National Committee Meeting and ISCOS	May-21	Asano
		5	ESP List of Participants for 4th National Committee Meeting 2021	May-21	Asano
1.1.2	1.1.2	1	ESP_Attendance lists_Cerrón Grande Election of Local Committee	Aug-21	Asano
		2	ESP_Attendance lists_Güija Election of Local Committee	Aug-21	Asano
		3	ESP_Cerrón Grande Election Act 1	Aug-21	Asano
		4	ESP_Cerrón Grande Election Act 2	Aug-21	Asano
		5	ESP_Güija Election Act 1	Aug-21	Asano
		6	ESP_Güija Election Act 2	Aug-21	Asano
	1.1.3	1			
1.2	1.2.1	1			
	1.2.2	1			
1.3	1.3.1	1			
1.4	1.4.1	1	PP2_Informe Anual de Monitoreo de Biodiversidad 2021 (ESP)	Jul-21	Nagahama
		2	PP1_Reporte Anual de Monitoreo de Calidad del Agua en Laguna de	Aug-21	Nagahama
		3	PP1_Reporte Anual de Monitoreo de Calidad del Agua en Laguna El	Aug-21	Nagahama
1.5	1.5.1	1			
1.6	1.6.1	1			
		2			
	1.6.2	1			

## List of products from February 2016 to December 2016 / Lista de productos desde el febrero 2016 hasta el diciembre 2016

## Output 2

Activity	Action	Number	Name of deliverable	Date of delivery	Expert in charge
2.1	2.1.1	1	Inception Workshop Program	Apr-16	Nagahama
		2	Inception Workshop Participant List	Apr-16	Nagahama
		3	Inception Workshop Report	Apr-16	Nagahama
	2.1.2	1	Map: Summarized land use map	Oct-16	Hosono
		2	Map: Summarized land classification map	Oct-16	Hosono
		3	Presentation Existing situation of Rio Grande de San Miguel	Apr-16	Hosono
		4	CollectedGISDataList	Jul-16	Tokue
		5	GISDatabaseList	Jul-16	Tokue
		6	List of Collected Materials	Jul-16	Tokue
		7	Resumen de Iniciativas Tsuji01	Nov-16	Tsuji
		8	Wetland_Management_Plan_Tsuji_ver02	Nov-16	Tsuji
	2.1.3	1	Proposal for pilot project (Ecosystem & Biodiversity)	Oct-16	Nagahama
		2	Map: Land potential and distribution of agriculture land use	Oct-16	Hosono
		3	Table: Land use conflict in the transition zone	Nov-16	Hosono
		4	Map: Crop distribution map in the transition zone (2010)	Oct-16	Hosono
		5	Presentation material: Basic idea of land use survey	Jun-16	Hosono
		6	Presentation material: Land use evaluation and zoning method	Sep-16	Hosono
		7	Document : Land use and land classification in the transition zone	Oct-16	Hosono
		8	Report: Chapter I	Sep-16	Hosono
	2.1.4	1	Map: Land potential map for wetland management	Dec-16	Hosono
		2	Presentation material: How to prepare land potential map	Sep-16	Hosono
		3	Presentation material: Proposed Agriculture Technology by sub-	Sep-16	Hosono
		4	Document : Land potential in the transition zone	Oct-16	Hosono
		5	Report: Chapter II and III	Dec-16	Hosono
	2.1.5	1	Floodarea160728	Jul-16	Tokue
		2	Wetlandboundary160728	Jul-16	Tokue
		3	Landcover160728	Jul-16	Tokue
		4	Landuse160728	Jul-16	Tokue
		5	WetlandForest	Jul-16	Tokue
		6	WetlandVegetation	Jul-16	Tokue
		7	vegetation memo160728	Jul-16	Tokue
		8	Landclass_161212	Dec-16	Tokue
		9	Landclass_landuse_161212	Dec-16	Tokue
		10	landclass160728	Jul-16	Tokue
		11	Landuse_161212	Dec-16	Tokue
		12	Observed Water Level of Olomega and El Jocotal Lagoons	Dec-16	Yamashita
	2.1.6	1	ProjectPriorityAreaMap_ver1.1_160728	Jul-16	Tokue
		2	ProjectPriorityAreaMap_ver1.2_160728	Jul-16	Tokue
		3	ProjectPriorityAreaMap_ver1.3	Dec-16	Tokue
		4	ProjectWatershedMap_ver1.1_160728	Jul-16	Tokue
		5	ProjectWatershedMap_ver1.2_160728	Jul-16	Tokue
		6	ZoningMap_landclass_161212	Jul-16	Tokue
		7	ZoningMapVer1_160728	Jul-16	Tokue
	2.1.7	1	-	-	-
	2.1.8	1	-	-	-
	2.1.9	1	Concept of Pilot Project 02 ENG	Sep-16	Tsuji
		2	Concept of Pilot Project 02	Sep-16	Tsuji
	2.1.10	1	-	-	-
	2.1.11	1	-	-	-
	2.1.12	1	-	-	-
2.2	2.2.1	1	-	-	-
	2.2.2	1	-	-	-
2.3	2.3.1	1	-	-	-
	2.3.2	1	-	-	-
2.4	2.4.1	1	-	-	-

List of products from January to December 2017 / Lista de productos desde el enero hasta el diciembre 2017  
 Output 2

Activity /	Action / Acci	Number / Nú	Name of deliverable / Nombre de producto	Month / Mes	Expert in charge / Experto en carga
2.1	2.1.2	1	List of Atlas map	Dec-17	Tokue
	2.1.2	2	Municipality guide map(El Transit)	Dec-17	Tokue
	2.1.6		Micro zoning map	Dec-17	Tokue
	2.1.6		Micro zoning map	Dec-17	Tokue
	2.1.7		Local workshop result -zoning	Dec-17	Tokue
	2.1.9		Action plan & imlementation schedule ENG (final draft)	Dec-17	Shimizu
			Action plan & implementation schedule ESP (final draft)	Dec-17	Shimizu
	2.1.10		Draft wetland management plan ENG	Dec-17	Shimizu/Tokue
			Draft wetland management plan summary ENG & ESP	Dec-17	Shimizu
	2.1.11		-	-	-
	2.1.12		-	-	-
2.2	2.2.1		-	-	-
	2.2.2		-	-	-
2.3	2.3.1		-	-	-
	2.3.2		-	-	-
2.4	2.4.1		-	-	-



List of products from January to December 2018 / Lista de productos desde el enero hasta el diciembre 2018  
Output 2

Activity /	Action / Acci	Number / Nú	Name of deliverable / Nombre de producto	Month / Mes	Expert in charge / Experto en carga
2.1	2.1.2	1	Draft wetland mangement plan (El Jocotal)	Apr-18	Shimizu
	2.1.2	2	Draft wetland mangement plan (Olomega)	Apr-18	Shimizu
	2.1.2	3	Municipality guide map	Aug-18	Tokue
	2.1.6	1	Updated Micro Zoning	Jul-18	Tokue
	2.1.6	2	Updated Micro Zoning Map	Oct-18	Tokue
	2.1.6	3	Presentation of Uso del Suelo y Zonificación	Sep-18	Tokue
	2.1.6	4	Updated Wetland management plan (ChapterV Land use and Zoning)	Nov-18	Tokue
2.2	2.2.1		-	-	-
	2.2.2		-	-	-
2.3	2.3.1		-	-	-
	2.3.2		-	-	-
2.4	2.4.1		-	-	-

List of products from January to December 2019 / Lista de productos desde el enero hasta el diciembre 2019  
Output 2

Activity /	Action / Acci	Number / Nú	Name of deliverable / Nombre de producto	Month / Mes	Expert in charge / Experto en carga
2.1	2.1.1	1			
	2.1.2	1			
	2.1.3	1			
	2.1.4	1			
	2.1.5	1	Propuesta de Restauracion Rio Grande San Miguel Agosto 2019_FI	Aug-19	Asano
	2.1.6	1	Zoning and Micro-zoning Methodology adopted by MARN-JICA W	Dec-19	Tokue
	2.1.7	1			
	2.1.8	1			
	2.1.9	1			
	2.1.10	1			
	2.1.11	1			
	2.1.12	1			
2.2	2.2.1	1	Revised Wetland Management Plan of El Jocotal ENG	Mar-19	Asano
	2.2.1	2	Revised Wetland Management Plan of El Jocotal ESP	Mar-19	Asano
	2.2.1	3	Revised Wetland Management Plan of Olomega ENG	Mar-19	Asano
	2.2.1	4	Revised Wetland Management Plan of Olomega ESP	Mar-19	Asano
2.3	2.3.1	1			
	2.3.2	1			
2.4	2.4.1	1			

## List of products from January to December 2020 / Lista de productos desde el enero hasta el diciembre 2020

## Output 2

Activity /	Action / Acci	Number / Nú	Name of deliverable / Nombre de producto	Month / Mes	Expert in charge / Experto en carga
2.1	2.1.1	1			
	2.1.2	1			
	2.1.3	1			
	2.1.4	1			
	2.1.5	1			
	2.1.6	1			
	2.1.7	1			
	2.1.8	1			
	2.1.9	1			
	2.1.10	1			
	2.1.11	1			
	2.1.12	1			
2.2	2.2.1	1	Letter of technical dictum about Wetland Management Plan of Olomega Lagoon	Jan-20	Asano
	2.2.1	2	Ministerial Accord No.07 for Wetland Management Plan of	Jan-20	Asano
	2.2.1	3	Wetland Management Plan of Olomega Lagoon	Jan-20	Asano
	2.2.1	4	Official gazette for Wetland Management Plan of Olomega Lagoon	Feb-20	Asano
	2.2.1	5	Letter of technical dictum about Wetland Management Plan of Jocotal	Feb-20	Asano
	2.2.1	6	Ministerial Accord No.33 for Wetland Management Plan of Jocotal	Feb-20	Asano
	2.2.1	7	Wetland Management Plan of Jocotal Lagoon	Feb-20	Asano
	2.2.1	8	Official gazette for Wetland Management Plan of Jocotal Lagoon	Feb-20	Asano
2.3	2.3.1	1			
	2.3.2	1			
2.4	2.4.1	1			

List of products from January to October 2021 / Lista de productos desde el enero hasta el octubre 2021  
 Output 2

Activity /	Action / Acci	Number / Nú	Name of deliverable / Nombre de producto	Month / Mes	Expert in charge / Experto en carga
2.1	2.1.1	1			
	2.1.2	1			
	2.1.3	1			
	2.1.4	1			
	2.1.5	1			
	2.1.6	1			
	2.1.7	1			
	2.1.8	1			
	2.1.9	1			
	2.1.10	1			
	2.1.11	1			
	2.1.12	1			
2.2	2.2.1	1			
	2.2.1	2			
	2.2.1	3			
	2.2.1	4			
	2.2.1	5			
	2.2.1	6			
	2.2.1	7			
	2.2.1	8			
2.3	2.3.1	1			
	2.3.2	1			
2.4	2.4.1	1			

List of products from February 2016 to December 2016 / Lista de productos desde el febrero 2016 hasta el diciembre 2016  
 Output 3

Activity	Action	Number	Name of deliverable	Date of delivery	Expert in charge
3.1	3.1.1	1	Inception Workshop Program	Apr-16	Nagahama
		2	Inception Workshop Participant List	Apr-16	Nagahama
		3	Inception Workshop Report	Apr-16	Nagahama
3.2	3.2.1	1	-	-	-
	3.2.2	1	-	-	-
3.3	3.3.1	1	-	-	-
	3.3.2	1	-	-	-
3.4	3.4.1	1	-	-	-
	3.4.2	1	-	-	-
3.5	3.5.1	1	-	-	-
	3.5.2	1	-	-	-

List of products from January to December 2017 / Lista de productos desde el enero hasta el diciembre 2017  
 Output 3

Activit y/ Activi dad	Actio n/ Acció n	Number / Nú mero	Name of deliverable / Nombre de producto	Month / Mes	Expert in charge / Experto en carga
3.2	3.2.1		Profile of the pilot projects	Apr-17	Tsuji
	3.2.2				
3.3		1	Work plan of the pilot proejects	Apr-17	Tsuji
		2	Pilot project outline (パイロット説明資料/Informe de Perfiles de los Proyectos Piloto)	Nov-17	Tsuji
		3	water quality monitoring manual	Nov-17	Nagahama
3.4	3.4.1	1	Contract for the market study	Sep-17	Tsuji
		2	1st report of the market study	Oct-17	Tsuji
		3	Contract for planning of agroforestry and silvopasture model	Nov-17	Tsuji
		4	work plan of an outsourcing work for planning of agroforestry and silvopature model	Dec-17	Tsuji
		5	ToR for soil survey	Nov-17	Nagahama
		6	ToR for boardwalk construction	Nov-17	Nagahama
		7	ToR for platform of boardwalk consutruction	Nov-17	Nagahama
		8	ToR for video for environmental education center 1	Nov-17	Nagahama
		9	ToR for video for environmental education center 2	Nov-17	Nagahama
		10	ToR for panel making for environmental education center	Nov-17	Nagahama
	3.4.2	1		-	-
3.5	3.5.1	1	-	-	-
	3.5.2	1	-	-	-

List of products from January to December 2018 / Lista de productos desde el enero hasta el diciembre 2018  
Output 3

Activit y / Actividad	Acción / Acción	Number / Número	Name of deliverable / Nombre de producto	Month / Mes	Expert in charge / Experto en carga
3.3	3.3.2	1	Water quality monitoring plan	Dec-17	Nagahama
		2	CEPA National Plan	Nov-18	Nagahama
		3	Biodiversity monitoring plan	Dec-18	Nagahama
3.4	3.4.1	1	ToR for soi survey	Nov-17	Nagahama
		2	ToR for platform of boardwalk consutruction	Nov-17	Nagahama
		3	ToR for video 1 for environmental education center	Nov-17	Nagahama
		4	ToR for video 2 for environmental education center	Nov-17	Nagahama
		5	ToR for panel making for environmental education center	Nov-17	Nagahama
		6	Final report of anthropology survey in El Jocotal lagoon	Feb-18	Nagahama
		7	Acrylic insect	Feb-18	Nagahama
		8	Report on the first trial of energy cogeneration using dried invasive plants from the wetlands	Apr-18	Nagahama
		9	Final designs of display panels for Ramsar Environmental Education	Apr-18	Nagahama
		10	Completion certificate for observation platform	Apr-18	Nagahama
		11	Final report of market study and value chain analysis for agroforestry	Feb-18	Yoshino
		12	Booklet of recommended agroforestry products	Feb-18	Yoshino
		13	Soil analysis for selected model farms for Agroforestry and	Feb-18	Yoshino
		14	Detailed designs for model farms	Mar-18	Yoshino
		15	Completion report for the development of model farms for Agroforestry and Silvopasture to reduce the disaster risks by	Apr-18	Yoshino
		16	Forest inventory and rehabilitation Plan for Las Moritas - National Natural Protected Area (ANP)	Feb-18	Yoshino
		17	Rehabilitation Plan for targeted areas within Las Moritas ANP	Apr-18	Yoshino
		18	Completion report for the rehabilitation of Las Moritas ANP	Apr-18	Yoshino
		19	Guide for Good Agricultural Practice (GAP) for sugarcane	Dec-17	Yoshino
		20	Presentation material for GAP training	Jan-18	Yoshino
		21	Plan for Good Agricultural Practice (GAP) for sugarcane (Advance	Nov-18	Yoshino
		22	Drone training report	Dec-18	Tsuji, Nagahama
		23	Presentation for the sencibilization for the protection of ANP Las Moritas (1st Phase)	Dec-18	Yoshino
	3.4.2	1	Rapid report of water quality monitoring Feburary 2018	Feb-18	Nagahama
		2	Rapid report of water quality monitoring April 2018	Apr-18	Nagahama
		3	Rapid report of water quality monitoring June 2018	Jun-18	Nagahama
		4	Rapid report of water quality monitoring August 2018	Aug-18	Nagahama
		5	Rapid report of water quality monitoring October 2018	Oct-18	Nagahama
		6	Rapid report of water quality monitoring December 2018	Dec-18	Nagahama
		7	Report on the first trial of energy cogeneration using dried invasive p	Apr-18	Tsuji, Nagahama
3.5	3.5.1	1	-	-	-
	3.5.2	1	-	-	-

List of products from January to December 2019 / Lista de productos desde el enero hasta el diciembre 2019  
Output 3

Activit y / Activi dad	Actio n/ Acció n	Number / Nú mero	Name of deliverable / Nombre de producto	Month / Mes	Expert in charge / Experto en carga
3.4	3.4.1	1	Completion report for the development of model farms for Agroforestry and Silvopasture to reduce the disaster risks by ecological measures (Eco-DRR) (2nd Phase)	Mar-19	Yoshino
		2	Brochure of El Jocotal Environmental Education Complex	Feb-19	Nagahama
		3	Presentation for the sencibilization for the protection of ANP Las Moritas (2nd Phase)	Apr-19	Yoshino
		4	Presentation for the Gap Advance Workshops	Apr-Oct-19	Yoshino
		5	Proposal for the ecology restauration in the sugarcarn production area	Aug-19	Yoshino
		6	Presentation for the sencibilization for the protection of ANP Las Moritas (3rd Phase)	Nov-19	Yoshino
		7	Final Report of the Sensitization Activities at Las Moritas NPA (May	Jun-19	Yanehashi
		8	Final Report of the Sensitization Activities at Las Moritas NPA (May	Jun-19	Yanehashi
		9	Field trip report about Sensitization activity at Los Llanitos 191219	Dec-19	Yanehashi
	3.4.2	1	Annual report of water quality monitoring in Olomega 2018	Mar-19	Nagahama
		2	Annual report of water quality monitoring in El Jocotal 2018	Feb-19	Nagahama
		3	Rapid report of water quality monitoring Feburary 2019	Feb-19	Nagahama
		4	Rapid report of water quality monitoring April 2019	Apr-19	Nagahama
		5	Rapid report of water quality monitoring June 2019	Jun-19	Nagahama
		6	Rapid report of water quality monitoring August 2019	Aug-19	Nagahama
		7	Rapid report of water quality monitoring October 2019	Oct-19	Nagahama
		8	Rapid report of water quality monitoring December 2019	Dec-19	Nagahama
		9	Annual report of water quality monitoring in Olomega 2019	Dec-19	Nagahama
		10	Annual report of water quality monitoring in El Jocotal 2019	Dec-19	Nagahama
		11	Proposed monitoring plan of invasive aquatic plants and wetland ecos	Dec-19	Tokue
		12	Dry season Biodiversity Monitoring Report 2019	Jun-19	Nagahama
		13	Wet season Biodiversity Monitoring Report 2019	Dec-19	Nagahama
		14	Biodiversity Monitoring Annual Report 2019	Dec-19	Nagahama
		15	水循環スゴロク	Jul-19	Nagahama
		16	渡り鳥スゴロク	Jul-19	Nagahama
		17	Communication, Education, Participation and Awareness (CEPA) annual action plan 2020	Dec-19	Nagahama
		18	Report on evaluation CEPA annual action plan 2019	Dec-19	Nagahama
3.5		1	Water quality monitoring manual in El Salvador	Feb-19	Nagahama
		2	Water quality monitoring plan in Guija lagoon	Dec-19	Nagahama
		3	Bird monitoring plan in Guija lagoon	Dec-19	Nagahama



List of products from January to December 2020 / Lista de productos desde el enero hasta el diciembre 2020  
Output 3

Activit y / Activi dad	Actio n/ Acció n	Number / Nú mero	Name of deliverable / Nombre de producto	Month / Mes	Expert in charge / Experto en carga
3.4	3.4.1	1	Field trip report about Sensitization activity at Gualuca_191216	Jan-20	Yanehashi
		2	Field trip report about Sensitization activity at El Pital_200117	Jan-20	Yanehashi
		3	Field trip report about Sensitization activity at San Carlos El Amate_200117	Jan-20	Yanehashi
		4	Final Report of the Sensitization Activities at Las Moritas NPA (Sep, 2020)	Sep-20	Yanehashi
		5	Final Report of the Sensitization Activities at Las Moritas NPA (Sep, 2020)	Sep-20	Yanehashi
	3.4.2	1	Informe trimestral monitoreo de calidad de agua, Octubre2020	Oct-20	Nagahama
		2	Informe de la prueba de cogeneración de energía, con plantas invasoras	Nov-20	Nagahama
		3	Informe anual de monitoreo de calidad del agua en laguna de Olomeg	Dec-20	Nagahama
		4	Informe anual de monitoreo de calidad del agua en laguna de El Jocot	Dec-20	Nagahama
		5	Informe del avance CECOP 2020 (ES) 2020	Nov-20	Nagahama
		6	Presentacion de avances Plan de Accion 2020 (ES) 2020	Dec-20	Nagahama
		7	Plan de Acción CECOP 2021 (ES) 2020	Dec-20	Nagahama
		8	Agenda Recorrido virtual laguna El Jocotal 2020 (ES) 2020	Oct-20	Nagahama
		9	Report of Virtual Tours to El Jocotal 2020 (EN) 2020	Nov-20	Nagahama
		10	Informe de Capacitación de monitoreo de biodiversidad (ES) 2020	Oct-20	Nagahama
		11	Informe Anual de Monitoreo de Biodiversidad en El Jocotal y Olomeg	Oct-20	Nagahama
3.5		1	Guide for Ecological Restoration in Sugarcane Cropping Area	Dec-20	Yoshino
		2	Facilitator Guide for Good Agricultural Practices for the Conservation and Wise Use of Wetlands and its Ecosystem.	Dec-20	Yoshino
		3			

## List of products from January to October 2021 / Lista de productos desde el enero hasta el octubre 2021

## Output 3

Activit y / Activi dad	Actio n/ Acció n	Number / Nú mero	Name of deliverable / Nombre de producto	Month / Mes	Expert in charge / Experto en carga
3.4	3.4.1	1			
		2			
		3			
		4			
		5			
	3.4.2	1	PP1_Power Generation Component Profile(ESP)_202103	Mar-21	Nagahama
		2	PP1_Report on water quality monitoring in Guija_dry season(ESP)_2	Mar-21	Nagahama
		3	PP1_Training of park rangers in Guija on Water quality monitoring(ES	Mar-21	Nagahama
		4	PP2_Report of World Wetland Day Event(ESP)_2021	Mar-21	Nagahama
		5	PP2_Informe Anual de Monitoreo de Biodiversidad 2021 (ESP)	Jul-21	Nagahama
		6	PP2_Informe Capacitacion Guias Comunitarios EL Jocotal (ESP)	Jun-21	Nagahama
		7	PP2_Informe Capacitacion Guias Comunitarios Olomega (ESP)	Jun-21	Nagahama
		8	PP2_2021 Report of World Wetland Day Event 2021 (ESP)	Mar-21	Nagahama
		9	PP1_Reporte Anual de Monitoreo de Calidad del Agua en Laguna de	Aug-21	Nagahama
		10	PP1_Reporte Anual de Monitoreo de Calidad del Agua en Laguna El	Aug-21	Nagahama
		11	PP4_Monitoring Guide for Sugarcane Cultivation Good Agricultural	Feb-21	Yoshino
		12	PP3_Natural Protection Area Management Guides	Aug-21	Yoshino
		13	PP3_Guide for Establichement, Promotion and Management of Agro	Aug-21	Yoshino
		14	PP3_Guide for Establichement and Management of Silvopasture	Aug-21	Yoshino
3.5		1	PP2_Signed Biodiversity monitoring manual (ESP)	May-21	Nagahama
3.6		1	PP2_Informe de Entrega del Juego del Ciclo del Agua en Güija	Aug-21	Nagahama
		2	PP2_Informe de Evento Dia Mundial de Los Humedales 2021 (ESP)	Jun-21	Nagahama
		3	PP2_Informe de tours virtual sobre Centro de Educacion de humedales Ramsar en El Jocotal (ESP)	Aug-21	Nagahama
		4	PP2_Informe Monitoreo Aves de Pantano Guija 2021 (ESP)	Jul-21	Nagahama
		5	PP2_Informe sobre distribución de material de educación ambiental en El Salvador (ESP)	Aug-21	Nagahama
		6	PP1_Informe sobre el monitoreo de plantas exóticas invasoras por dron en el lago Metapán (ESP)	Aug-21	Nagahama
		7	PP1_Rerporte Anual de Monitoreo de Calidad del Agua en Lago Guija 2021 (ESP)	Aug-21	Nagahama

Activity	Action	Number	Name of deliverable	Date of delivery	Expert in Charge		
4.1	4.1.1	1	Public Relation Action Plan				
			Public Relation Action Plan (ver.1)	Jun-16	Nagahama, Tada		
	4.1.2	1	Brochure	Project brochure (ver. 1) (500 copies)	Jun-16 - Dec-16		
				Project brochure (ver. 2) (1,000 copies)	Apr-16	Asano	
				Map for brochure	Jul-16	Tada	
					Jul-16	Tokue	
		2	New letter	MARN-JICA Project Newsletter vol. 1 (Jun 2016 - Dec 2016) (Draft)		Tada	
		3	Project webpage in JICA homepage (Spanish/English/Japanese) Website in Spanish: <a href="https://www.jica.go.jp/project/spanish/elsalvador/006/index.html">https://www.jica.go.jp/project/spanish/elsalvador/006/index.html</a>		Nov-16 (open)	Tada	
					Constantly		
		4	Project facebook page URL: <a href="https://web.facebook.com/HumedalesOlomegaJocotal/">https://web.facebook.com/HumedalesOlomegaJocotal/</a> Posting: 18, Like of the page: 153 (31 May 15 - 16 Dec 16) 7 Jun 16: 1st Workshop in San Miguel 14 Jun 16: Meeting with JICA mission at the project office 22 Jun 16: JCC 12 Jul 16: Sharing a movie of Ministerio de Medio Ambiente y Recursos Naturales(MARN) on Launching Seminar 12 Jul 16: Sharing a article of Ministerio de MARN's website on Launching Seminar 21 Jul 16: Memorandum of understanding with MARN and five mayors with jurisdiction in the lagoons of Olomega and Jocotal 21 Jul 16: The launching Event of the Project for the Integrated Management of Wetlands in lagoons of Olomega and El Jocotal 27 Jul 16: The repair of damaged parts of the second floor of the office of Natural Protected Area and Ramsar Site Laguna Jocotal 6 Sep 16: An important role of El Jocotal as a unique hábitat, like Chimboles and Burritas 20 Sep 16: The preparation of information for the establishment of local committees for Ramsar wetlands Lagoons Olomega and El Jocotal 2 Oct 16: 4x4 vehicle for field activities in the territories of Olomega lagoon and El Jocotal 6 Oct 16: The first workshop of socialization of tools for the establishment of the RAMSAR local committees of the wetlands lagoons of Olomega and El Jocotal 31 Oct 16: Launching Event of El Jocotal Office for MARN-JICA Wetland Project 17 Nov16: Removal of eichhornia crassipe in El Jocotal 17 Nov 16: Removal of eichhornia crassipe in El Jocotal (Movie) 1 Dec 16: The first national workshop of socialization of tools for the establishment of the Ramsar local committees in El Jocotal and Olomega 9 Dec 16: Life in El Jocotal 15 Dec 16: Press Tour at El Jocotal		May-16 (open)	Tada	
					Constantly		
					May-16 - Dec-16		
	5			Organize kick-off seminar inviting ministries and the people related with wetland management in the countries	Kick-off seminar	Jul-16	Tada
					MOU between MARN and 5 mayors from our project site signed in the kickoff seminar	Jul-16	
					Report of Kick-off seminar	Jul-16	
					Media report (2 news papers, 15 websites/ youtube videos, 20 tweets)	Jul-16	
	6			Prepare project goods for the project promotion	Banners (2)	Jul-16	Tada
					Folders (500)	Jul-16	Tada
					Logo(ver.1)	Jul-16	Tada
					project novelty goods (100 tote bags)	Sep-16	Asano,Nagahama
	7	Mailing list	Mailing list of MARN-JICA project members	Jul-16			
Guideline of the use of mailing list			Nov-16				
8	photo library	Photo library March 2016	Dec-16	Tada			
		Photo library April 2016					
		Photo library June 2016					
		Photo library July 2016					
		Photo library Aug 2016					
		Photo library Sept 2016					
		Photo library Nov2016					
		Publication/ booklet/ guideline					
		Booklet (Draft)	Dec-16	Flavia, Tada			
		SPANISH Concept Note on the publication02	Nov-16	Tsuji			
4.2	4.2.1	1	National workshop in El Salvador	Nov-16	Tsuji		
			Documents for 1st National Workshop				
			Reporte lanzamiento proyecto GEF 18-10				
			Programa Taller 23-11-2016 ESP 03				
			Presentacion Acuerdo creacion Comité Local 23-11 (5)				
			Hoja de trabajo 15-11 (v final)				
			Ayuda Memoria				
4.2.2	1	Disseminate project related information through the mailing list to develop a network of concerned actors of Ramsar convention in the country.	Guideline of the use of mailing list	Nov-16	Tada		
			Mailing list of actors in Ramsar wetlands in El Salvador	Dec-16			
4.3	4.3.2	1	Presentation El Salvador Wetland Tsuji 20160817rev02	Aug-16	Tsuji		

List of products from January to December 2017 / Lista de productos desde el enero hasta el diciembre 2017  
Output 4

Activity / Actividad	Action/ Acción	Number / Nú	Name of deliverable / Nombre de producto	Month / Mes	Expert in charge / Experto en carga	
4.1	4.1.1	1	Public Relation Action Plan		Mizuno	
			Monitoring sheet of output 4	Dec-17		
			Public relations strategy (revised ver.) ENG	Dec-17		
	4.1.2	1	1	Brochure		Mizuno
				Project brochure ENG	Sep-17	
		2	New letter	MARN-JICA Project Newsletter vol. 1 (Jun 2016 - Dec 2016) (final) ESP	Mar-17	
				MARN-JICA Project Newsletter vol. 1 (Jun 2016 - Dec 2016) (final) ENG	Aug-17	
				MARN-JICA Project Newsletter vol. 2 (Jan 2017 - Oct 2017) (final) ESP	Dec-17	
		3	Project facebook page	Posted facebook	Jan-Dec 17	Mizuno
				Project webpage in MARN homepage (Spanish)		Mizuno
		4	Project webpage in MARN homepage (Spanish)	Structure of the project webpage (draft)	Mar-17	
				Prepare project goods for the project promotion		
		6	Prepare project goods for the project promotion	T-shirts (500) (Project novelty goods)	Feb-17	Nagahama
				Mailing list		Mizuno
		7	Mailing list	Guidelines for use of the mailing list (project mailing list 舎)	Dec-17	
				photo library		Mizuno
		8	photo library	Photo library ENG	Jan-Dec 17	
Photo library ESP	Jan-Dec 17					
9	Publication/ booklet/ guideline	Booklet (final)	Oct-17	Tsuij, Mizuno		
		Personal guide (birds in El Jocotal 2000 sets, biodiversity in El Jocotal 2000 sets, draft birds in Olomega)	Oct- Dec 17	Nagahama, Mizuno		
		Project webpage in JICA homepage (Spanish/English/Japanese)		Mizuno		
11	Project webpage in JICA homepage (Spanish/English/Japanese)	Website in Spanish: <a href="https://www.jica.go.jp/project/spanish/elsalvador/006/index.html">https://www.jica.go.jp/project/spanish/elsalvador/006/index.html</a>				
		Website in English: <a href="https://www.jica.go.jp/project/english/elsalvador/006/index.html">https://www.jica.go.jp/project/english/elsalvador/006/index.html</a>				
		Website in Japanese: <a href="https://www.jica.go.jp/project/elsalvador/006/index.html">https://www.jica.go.jp/project/elsalvador/006/index.html</a>				
		Establishment of the local wetland management committees of Olomega & El Jocotal	Aug-17			
			Training of the counterparts on the wetland conservation in Japan, and share of the experience of the participants with the other officers in the Ministry of Natural Resources and environment (MARN)	Oct-17		
4.2	4.2.1	1	Cross-visit		Mizuno	
			Draft program	Dec-17		
			Draft revised program	Dec-17		
	4.2.2	1	Disseminate project related information through the mailing list to develop a network of concerned actors of Ramsar convention in the country.		Mizuno	
				Mailing list of actors in Ramsar wetlands in El Salvador (updated)	Dec-17	
			E-mails posted to the mailist list	Jan-Dec 17		

List of products from January to December 2018 / Lista de productos desde el enero hasta el diciembre 2018  
Output 4

Activity / Acción	Action/ Acción	Number / Nú	Name of deliverable / Nombre de producto	Month / Mes	Expert in charge / Experto en carga	
4.1	4.1.1	1	Public Relation Action Plan		Yanehashi	
			Public relations strategy (revised ver.) with attachments ENG	Apr-18	Mizuno	
			Public relations strategy (ver3-2.) with attachments ENG	Jul-18	Yanehashi	
			Public relations strategy (ver3-2.) with attachments ESP	Sep-18	Yanehashi	
	4.1.2	1	New letter	MARN-JICA Project Newsletter vol. 2 (Jan 2017 - Oct 2017) (final) ENG	Jan-18	Mizuno
				MARN-JICA Project Newsletter vol. 3 ENG	Oct-18	Yanehashi
				MARN-JICA Project Newsletter vol. 3 ESP	Oct-18	Yanehashi
						Yanehashi
		2	Project facebook page	Posted facebook articles	Jan-Apr 18	Mizuno
				Posted facebook articles (on the Facebook)	Jun-Dec 18	Yanehashi
						Yanehashi
		3	Project webpage in MARN homepage (Spanish)	Structure of the project webpage revised (draft)	Apr-18	Mizuno
						Yanehashi
		4	Prepare project goods for the project promotion	Project uniform (list of distribution)	Jan-18	Mizuno
				T-shirt for PLANTATON, 2018	Jun-18	Yanehashi
				Cap for GAP training	Jun-18	Yanehashi
	Coaster for COP13			Sep-18	Yanehashi	
	Project Banner (EN)			Sep-18	Yanehashi	
	Project Banner (SP)			Sep-18	Yanehashi	
	5	photo library	Photo library ENG	Jan-Apr 18	Mizuno	
			Photo library ESP	Jan-Apr 18	Mizuno	
			Photo library ENG	Jun-Dec 18	Yanehashi	
			Photo library ESP	Jun-Dec 18	Yanehashi	
6	Atlas	Maps for the Atlas	Jan-Apr 18	Tokue		
				Tokue		
4.3	4.3.1	1	Disseminate project related information through the mailing list to develop a network of concerned actors of Ramsar convention in the country.		Yanehashi	
			List of the Ramsar focal point members of SICA countries	Jan-18	Mizuno	
			Meeting memo with Counterpart about the regional initiative (existing regional network)	Mar-18	Mizuno	

List of products from January to December 2019 / Lista de productos desde el enero hasta el diciembre 2019  
Output 4

Activity / Actividad	Action/ Acción	Number / Nú	Name of deliverable / Nombre de producto	Month / Mes	Expert in charge / Experto en carga	
4.1	4.1.1	1	Public Relations Action Plan		Yanehashi	
			Public Relation Action Plan ver.4 (English)	Jul-19	Yanehashi	
			Public Relation Action Plan ver.4 (Spanish)	Aug-19	Yanehashi	
			Media Strategy ver.1	Aug-19	Yanehashi	
	4.1.2	1	1	Project facebook page ( <a href="https://web.facebook.com/HumedalesOlomegaJocotal/">https://web.facebook.com/HumedalesOlomegaJocotal/</a> )		Yanehashi
				Posted on Facebook	Jan-Dec 19	Yanehashi
		2	2	Project webpage in MARN homepage (Spanish)		Yanehashi
				Website: <a href="http://www.marn.gob.sv/proyecto-para-el-manejo-integral-de-los-humedales-lagunas-el-jocotal-y-de-olomega/">http://www.marn.gob.sv/proyecto-para-el-manejo-integral-de-los-humedales-lagunas-el-jocotal-y-de-olomega/</a> Documents to share on the webpage	Mar-19	Yanehashi
		3	3	Prepare project goods for the project promotion		Yanehashi
				Bag for World Wetland Day, 2019	Feb-19	Yanehashi
				Water Bottle for World Wetland Day, 2019	Feb-19	Yanehashi
				T-shirt for World Wetland Day, 2019	Feb-19	Yanehashi
		4	4	Photo library		Yanehashi
				Photo library ENG	Jan-Dec 19	Yanehashi
				Photo library ESP	Jan-Dec 19	Yanehashi
		5	5	ATLAS		Yanehashi
				Draft of Atlas Atlas (Final)	Mar-19 Oct-19	Tokue Tokue
		6	6	Instagram ( <a href="https://www.instagram.com/proyectomarnjica/?hl=ja">https://www.instagram.com/proyectomarnjica/?hl=ja</a> )		Yanehashi
				Posted on Instagram	Mar-Dec 19	Yanehashi
		7	7	Project webpage in JICA homepage (Spanish/English/Japanese)		Yanehashi
Website in Spanish: <a href="https://www.jica.go.jp/project/spanish/elsalvador/006/index.html">https://www.jica.go.jp/project/spanish/elsalvador/006/index.html</a> Website in English: <a href="https://www.jica.go.jp/project/english/elsalvador/006/index.html">https://www.jica.go.jp/project/english/elsalvador/006/index.html</a> Website in Japanese: <a href="https://www.jica.go.jp/project/elsalvador/006/index.html">https://www.jica.go.jp/project/elsalvador/006/index.html</a>						
Posting an article "Holding the general assembly of local committees" in Japanese Site	Jun-19					
8	8	Newsletter		Yanehashi		
		MARN-JICA Project Newsletter vol. 4 ENG	May-19	Yanehashi		
		MARN-JICA Project Newsletter vol. 4 ESP	May-19	Yanehashi		
4.3	4.3.1	1	Assistance in the construction of the network of SICA member countries		Yanehashi	
			Project Information Matrix for Dr. Jorge Ernesto	Jan-19	Yanehashi	
			Project Introduction Paper (EN) for Dr. Jorege Ernesto	Jan-19	Yanehashi	
			Project Introduction Paper (SP) for Dr. Jorege Ernesto	Jan-19	Yanehashi	

List of products from January to December 2020 / Lista de productos desde el enero hasta el diciembre 2020  
Output 4

Activity / Activida	Action/ Acción	Number / Nú	Name of deliverable / Nombre de producto	Month / Mes	Expert in charge / Experto en carga
4.1	4.1.1	1	PR Activities Monitoring Sheet		Yanehashi
			PR Activities Monitoring Sheet (2019.6-11)	Jan-20	Yanehashi
			PR Activities Monitoring Sheet (2019.12-2020.6)	Sep-20	Yanehashi
	4.1.2	1	Project facebook page ( <a href="https://web.facebook.com/HumedalesOlomegaJocotal/">https://web.facebook.com/HumedalesOlomegaJocotal/</a> )		Yanehashi
			Monitoring Report of Facebook (2019.10.1-2020.1.31)	Mar-20	Yanehashi
			Posted on Facebook	Jan-Dec 20	Yanehashi
		2	Project webpage in MARN homepage (Spanish)		Yanehashi
			Website: <a href="http://www.marn.gob.sv/proyecto-para-el-manejo-integral-de-los-humedales-lagunas-el-jocotal-y-de-olomega/">http://www.marn.gob.sv/proyecto-para-el-manejo-integral-de-los-humedales-lagunas-el-jocotal-y-de-olomega/</a> Documents to share on the webpage	Jan-20	Yanehashi
		3	Prepare project goods for the project promotion		Yanehashi
			Bag for World Wetland Day, 2020	Jan-20	Yanehashi
			T-shirt for World Wetland Day, 2020	Jan-20	Yanehashi
		4	Cap for GAP Final Seminar	Jul-20	Yanehashi
			Instagram ( <a href="https://www.instagram.com/proyectomarnjica/?hl=ja">https://www.instagram.com/proyectomarnjica/?hl=ja</a> ) Posted on Instagram	Jan-Dec 20	Yanehashi
		5	Photo library		Yanehashi
			Photo library ENG	Jan-Dec 20	Yanehashi
			Photo library ESP	Jan-Dec 20	Yanehashi
		6	Project webpage in JICA homepage (Spanish/English/Japanese)		Yanehashi
	Website in Spanish: <a href="https://www.jica.go.jp/project/spanish/elsalvador/006/index.html">https://www.jica.go.jp/project/spanish/elsalvador/006/index.html</a> Website in English: <a href="https://www.jica.go.jp/project/english/elsalvador/006/index.html">https://www.jica.go.jp/project/english/elsalvador/006/index.html</a> Website in Japanese: <a href="https://www.jica.go.jp/project/elsalvador/006/index.html">https://www.jica.go.jp/project/elsalvador/006/index.html</a> Posting an article "Environmental Issues at Olomega & El Jocotal" in JICA Facebook for World Wetland Day 2020		Jun-19	Yanehashi	
	7	Newsletter		Yanehashi	
		MARN-JICA Project Newsletter vol. 5 ENG	May-20	Yanehashi	
		MARN-JICA Project Newsletter vol. 5 ESP	May-20	Yanehashi	
		MARN-JICA Project Newsletter vol. 6 ENG	Oct-20	Yanehashi	
		MARN-JICA Project Newsletter vol. 6 ESP	Oct-20	Yanehashi	
MARN-JICA Project Newsletter vol. 7 ENG		Oct-20	Yanehashi		
MARN-JICA Project Newsletter vol. 7 ESP	Oct-20	Yanehashi			
4.3	4.3.1	1	Assistance in the construction of the network of SICA member countries		

## List of products from January to October 2021 / Lista de productos desde el enero hasta el octubre 2021

## Output 4

Activity / Actividad	Action/ Acción	Number / Nú	Name of deliverable / Nombre de producto	Month / Mes	Expert in charge / Experto en carga	
4.1	4.1.1	1	PR Activities Monitoring Sheet		Yanehashi	
			PR Activities Monitoring Sheet (2020.7-2021.3)	Apr-20	Yanehashi	
	4.1.2	1	Project facebook page ( <a href="https://web.facebook.com/HumedalesOlomegaJocotal/">https://web.facebook.com/HumedalesOlomegaJocotal/</a> )	Posted on Facebook	Jan-Aug 21	Yanehashi
		2	Project webpage in MARN homepage (Spanish) Website: <a href="http://www.marn.gob.sv/proyecto-para-el-manejo-integral-de-los-humedales-lagunas-el-jocotal-y-de-olomega/">http://www.marn.gob.sv/proyecto-para-el-manejo-integral-de-los-humedales-lagunas-el-jocotal-y-de-olomega/</a> Documents to share on the webpage 2021/1 Water Quality Report 2019 2021/1 Water Quality Report 2020		Jan-21	Yanehashi
		3	Prepare project goods for the project promotion Design of T-shirt for World Wetland Day, 2021 (Event was cancelled and T-shirt was not purchased)		Jan-21	Yanehashi
		4	Instagram ( <a href="https://www.instagram.com/proyectomarnjica/?hl=ja">https://www.instagram.com/proyectomarnjica/?hl=ja</a> )	Posted on Instagram	Jan-Aug 21	Yanehashi
						Yanehashi
		5	Photo library Photo library ENG Photo library ESP		Jan-Aug 21	Yanehashi
					Jan-Aug 21	Yanehashi
		6	Project webpage in JICA homepage (Spanish/English/Japanese) Website in Spanish: <a href="https://www.jica.go.jp/project/spanish/elsalvador/006/index.html">https://www.jica.go.jp/project/spanish/elsalvador/006/index.html</a> Website in English: <a href="https://www.jica.go.jp/project/english/elsalvador/006/index.html">https://www.jica.go.jp/project/english/elsalvador/006/index.html</a> Website in Japanese: <a href="https://www.jica.go.jp/project/elsalvador/006/index.html">https://www.jica.go.jp/project/elsalvador/006/index.html</a>			Yanehashi
		7	Newsletter MARN-JICA Project Newsletter vol. 8 ENG MARN-JICA Project Newsletter vol. 8 ESP		Jun-21	Yanehashi
	Jun-21			Yanehashi		
4.2	4.2.1	1	Preparation and execution of the technical visits by the agents related to the Ramsar Convention of the country		Yanehashi	
			Final Seminar Report	Aug-21	Yanehashi	
4.3	4.3.2	1	Participation in international conferences and events, and gathering information from other areas			
			1st Meeting for the Exchange of Experiences among Ramsar Committees and ISCOS	May-21	Yanehashi	
			2nd Meeting for the Exchange of Experiences among Ramsar Committees and ISCOS	Jun-21	Yanehashi	



Meeting List 2016 / Lista de reuniones en el 2016

Fecha	Hora	Lugar/ Organización	Tema	Numero de Asistentes	Asistentes		Resultado/ Actividad que se indica en PDM/PO que están más relacionadas con la reunión
Date	Time	(Place/ Organization)	(Subject)	(Number of group)	JICA	MARN Counterpart and others	Corresponding PDM activitiv
2016/4/19	9:00	El Salvador Oriente territorio	Tour for observation of the landuse in Olomega and Jocotal wetland	MARN: 1 JET: 0 JICA OFFICE: 0 OTHERS: 13		Melvin Gomez Juan Jaime Jasson Ventura Wilber Munguia Andres Ferrufino Fredy Francisco Fuentes Luis E. Escobar Francisco Enriquez Reyna Dinora Diaz Evaristo Romero Elmer Misael Rosalba Alvarenga Blanky	Activity 1-1
2016/4/26	14:00	MARN-JICA Office	Meeting with MARN counterpart	MARN: 5 JET: 4 JICA OFFICE: 0 OTHERS: 0	Victor Valverde Carlos Rivera Yukio Nagahama Michiaki Hosono Rene Zuniga	Tily Perdomo Walberto Gallegos Carlos Rivera Rosalba Alvarenga Parada Julia Maria Perez Mena	Activity 1-1
2016/5/23	10:00	MARN-JICA Office	Review of workplan and mision planification	MARN: 8 JET: 0 JICA OFFICE: 0 OTHERS: 0		Luis Henriquez Tily Perdomo Berenice Yang Georgina Mariona Roberto Ceron Celina Mena Julia Maria Perez Mena Rosalba Alvarenga Parada	Activity 1-1
2016/5/27	14:00	MARN-JICA Office	Review of workplan and mision planification	MARN: 8 JET: 0 JICA OFFICE: 0 OTHERS: 0		Luis Henriquez Tily Perdomo Berenice Yang Georgina Mariona Roberto Ceron Celina Mena Julia Maria Perez Mena Rosalba Alvarenga Parada	Activity 1-1
2016/6/2	7:30	MARN-JICA Office	Stablishment of objectives, criteria for enviornmental zonification in Olomega and Jocotal	MARN: 6 JET: 3 JICA OFFICE: 0 OTHERS: 0	Victor Valverde Michiaki Hosono Esther Romero	Tily Perdomo Luis Chipagua Carlos Rivera Rosalba Alvarenga Parada Berenice Yang Julia Maria Perez Mena	Activity 1-1
2016/6/6	13:30	MARN-JICA Office	Contrapart meeting Hydrology presentation	MARN: 7 JET: 1 JICA OFFICE: 0 OTHERS: 0	Michiaki Hosono	Celina Mena Luis Chipagua Walberto Gallegos Julia Maria Perez Mena Berenice Yang Rosalba Alvarenga Parada Carlos Rivera	Activity 1-1
2016/6/10	14:00	MARN-JICA Office	Socialization meeting for water quality and hydric components	MARN: 7 JET: 1 JICA OFFICE: 0 OTHERS: 0	Naoki Yamashita	Rosalba Alvarenga Parada Carlos Rivera Julia Maria Perez Mena Luis Chipagua Celina Mena Georgina Mariona Berenice Yang	Activity 1-1
2016/6/13	13:30	MARN-JICA Office	Technical meeting progress	MARN: 5 JET: 0 JICA OFFICE: 0		Rosalba Alvarenga Parada Carlos Rivera Luis E Chipagua Berenice Yang Luis Chipagua	
2016/6/16	11:00	Unidad de Humedales, Directora General de Ecosistemas y Vida Silvestre, MARN	Clarification on the progress of creation of national committee for wetland management and	MARN: 1 JET:2 JICA OFFICE: 0 OTHERS: 0	Tsuji Interprete	Srta. Georgina Mariona	
2016/6/22	9:00	Despacho de MARN, JCC	JCC Reunion Oficial	MARN: 3 JET: 7 JICA OFFICE: 3 OTHERS: 2	Koji Asano Michiaki Hosono Yukio Nagahama Naoki Yamashita Yoshihiro Tokue Tamao Tada Victor Valverde	Lina Pohl Carlos Rivera Orestes Ortiz Napoleon Duarte Walter Gonzalez Kazuo Fujishiro Hayato Nakaura Luis Miguel	
2016/6/23	9:00	Dirección General del Ordenamiento Forestal, Cuencas y Riesgo	Discussion on the collaboration on the pilot	MARN: 1 JET: 4	Dr. Edgar Ascencio Koji Asano Shinichiro Tsuji	Luis Napoleón Torres Sr. Carlos Rivera	Activity 3-1

		Cuencas y Riesgo, MAG	project	JICA OFFICE: 0 OTHERS: 1	Victor Valverde		
2016/6/24	9:00	MARN-JICA Office	Michiaki Hosono Final ppt	MARN: 7 JET: 5 JICA OFFICE: 0 OTHERS: 0	Yoshihiro Tokue Koji Asano Shinichiro Tsuji Victor Valverde Yukio Nagahama	Luis Chipagua Georgina Mariona Berenice Yang Walberto Gallegos Ana Perdomo Celina Mena Roberto Ceron Carlos Rivera	
2016/6/28	11:00	Municipalidad de Chirilagua, San Miguel	Discussion on the needs of municipality for wetland management	MARN: 11 JET: 3 JICA OFFICE: 0 OTHERS: 0	Shinichiro Tsuji Jose Ruben Vasquez Edgar Noel Ascencio	Rosalba Alvarenga Parada Luis Chipagua Garcia Walberto Gallegos Carlos Rivera William Balmoris Campos Jolman Geovanni Lopez Azucena del C. Guevara Olga Patricia Martínez Mauricio Zambrano Fausto Dionisio Portillo Antonio Vasquez	
2016/6/28	12:30	Municipalidad de El Transito, Usulután	Discussion on the needs of municipality for wetland management	MARN: 9 JET: 2 JICA OFFICE: 0 OTHERS: 0	Edgar Noel Ascencio Shinichiro Tsuji	Rosalba Alvarenga Parada Orangel Campos Werner Martinez Jose Guadalupe Héctor Romero Carlos Rivera Luis Chipagua Garcia Jose Angel Benitez Walberto Gallegos	Activity 3-1
2016/6/28	15:00	Municipalidad de Jucuaran, San Miguel	Discussion on the needs of municipality for wetland management	MARN: 3 JET: 2 JICA OFFICE: 0 OTHERS: 5	Edgar Noel Ascencio Shinichiro Tsuji	Rosalba Alvarenga Parada Jesus Velasquez Nixon Romero Pedro Martinez Baltimore Garcia Carlos Rivera Jorge Quinteros Luis Chipagua Garcia	Activity 3-1
2016/6/29	9:00	Municipalidad de El Carmen, La Unión	Discussion on the needs of municipality for wetland management	MARN: 3 JET: 3 JICA OFFICE: 0 OTHERS: 5	Edgar Noel Ascencio Koji Asano Shinichiro Tsuji	Walberto Gallegos Josue Vidal Flores Candelario Hernandez Francis Zelaya Carlos Osmin Diaz Carlos Rivera Wilfredo Hernandez Rosalba Parada	Activity 3-1
2016/6/29	11:00	Municipalidad de San Miguel, San Miguel	Discussion on the needs of municipality for wetland management	MARN: 3 JET: 3 JICA OFFICE: 0 OTHERS: 4	Koji Asano Shinichiro Tsuji Edgar Noel Ascencio	Carlos Rivera Walberto Gallegos Rosalba Parada Jose Ebanam Fray Arriaza Miguel Pereira Mily Monterrosa	Activity 3-1
2016/7/1	9:00	MARN-JICA Office	Yukio Final ppt	MARN: 3 JET: 5 JICA OFFICE: 0 OTHERS:	Yoshihiro Tokue Koji Asano Shinichiro Tsuji Victor Valverde Yukio Nagahama	Luis Chipagua Celina Dueñas Georgina Mariona	
2016/7/1	11:00	Unidad de Humedales, Directora General de Ecosistemas y Vida Silvestre, MARN	Discussion on the work plan for the establishment of committee.	MARN: 5 JET: 3 JICA OFFICE: 0 OTHERS:	Koji Asano Shinichiro Tsuji Interprete	Carlos Rivera Sr. Javier Magaña Srta. Georgina Mariona Sr. Luis Chipagua Sr. Rosalba Parada	
2016/7/8	9:00	Comisión Nacional de la Micro y Pequeña Empresa (CONAMYPE)	Information collection for microenterprise development	MARN: 0 JET: 3 JICA OFFICE: 0 OTHERS: 0	Dr. Edgar Ascencio Tsuji Interprete		Activity 3-1
2016/7/13	13:00	MARN-JICA Office	Sr. Asano ppt, explaining tasks for each wetland unit member and upcoming plans.	MARN: 5 JET: 4 JICA OFFICE: 0 OTHERS:	Koji Asano Tamao Tada Yoshihiro Tokue Georgina Mariona Victor Valverde	Rosalba Parada Jaime Espinoza Luis Chipagua	
2016/7/18	13:30	MARN-JICA Office	Meeting regarding Ramsar Local Committees objectives, scope and functions	MARN: 5 JET: 4 JICA OFFICE: 0 OTHERS:	Flavia Cuenca	Celina Mena Julia Maria Perez Mena Tily Perdomo Georgina Mariona Luis Chipagua Jaime Espinoza Rosalba Alvarenga Parada	
2016/8/15	14:00	MARN-JICA Office	Meeting to distribute tasks to elaborate de wetland management plan	MARN: 5 JET: 4 JICA OFFICE: 0	Flavia Cuenca	Celina Mena Tily Perdomo Rosalba Parada Georgina Mariona	

				OTHERS:		Jaime Espinoza	
2016/8/19	13:15	MARN-JICA Office	1st Meeting Local Committee Creation Progress	MARN: 5 JET: 4 JICA OFFICE: 0 OTHERS:	Shinichiro Tsuji Flavia Cuenca	Georgina Mariona Luis Chipagua Rosalba Parada Jaime Espinoza	
2016/8/22	9:00	ANP Jocotal	Establishment of Ramsar Local Committee insuccion for Jocotal Lagoon	MARN: 3 JET: 2 JICA OFFICE: 0 OTHERS: 6	Flavia Cuenca Shinichiro Tsuji	Enrique Mendez Leonides Lopez Jose Isidres Flores Carlos Ponce Amaya Rudys Lopez Miguel Angel Lopez Sonia Rivera Ivana Isabel Villalobos Rosalba Alvarenga Parada	
2016/8/24	10:00	MARN-JICA Office	Meeting regarding progress of the Ramsar Local Committees	MARN: 3 JET: 2 JICA OFFICE: 0 OTHERS:	Flavia Cuenca Shinichiro Tsuji	Rosalba Alvarenga Parada Jaime Espinoza Luis Chipagua	
2016/8/26	14:00	MARN-JICA Office	Meeting regarding legal observations	MARN: 4 JET: 2 JICA OFFICE: 0 OTHERS:	Flavia Cuenca Shinichiro Tsuji	Rosalba Alvarenga Parada Georgina Mariona Jaime Espinoza Jose David Castillo Canton	
2016/8/27	11:00	Olomega Lagoon	Meeting regarding the strategy of zonification and delimitation of the MARN-JICA project area	MARN: 1 JET: 2 JICA OFFICE: 0 OTHERS:23	Shinichiro Tsuji Flavia Cuenca	Jose Luis Gutierrez Pedro Chicos Hernandez Jose Ramon Nelson Senteño Rojas Nora Nohemy Pineda Jose Hernandez Santiago Guzman Donadin Marin F Giovany Cortez Luis Robles Josefa Elizabeth Avila Oscar Matamoros Alvarez Hector Pineda Saravia Miguel Machuca Carmen Diaz Reina Ramos Transito Hernandez Juan Santos Jose Andres Molina Martin Lara Erazo Jose Octaviano Lemus Juan Antonio Pineda Humberto Diaz	
2016/8/29	13:00	Alcaldia San Rafael Oriente	Meeting for the wetland management at San Rafael Oriente	MARN: 1 JET: 2 JICA OFFICE: 0 OTHERS: 2	Shinichiro Tsuji Jose Ruben Vasquez	Luis Ernesto Chipagua Reynaldo Villegas Reina Margarita	
2016/8/30	9:00	Alcaldia Intipuca	Meeting for the wetland management at Intipuca	MARN: 1 JET: 2 JICA OFFICE: 0 OTHERS: 4	Shinichiro Tsuji Jose Ruben Vasquez	Enrique Mendez Fredis Omar Blanco Gallo Oscar Romeo Chavez Gallo	
2016/8/31	13:00	MARN-JICA Office	2nd Meeting Local Committee Creation Progress	MARN: 3 JET: 2 JICA OFFICE: 0 OTHERS:	Shinichiro Tsuji Koji Asano	Silvia de Larios Georgina Mariona Jose David Castillo Canton	
2016/9/2	9:00	MARN-JICA Office	3rd Meeting Local Committee Creation Progress	MARN: 1 JET: 4 JICA OFFICE: 0 OTHERS:	Ruben Vasquez Flavia Cuenca Yukio Nagahama Koji Asano	Jaime Espinoza Rosalba Parada	
2016/9/5	14:00	MARN-JICA Office	Meeting for pilot project	MARN: 1 JET: 4 JICA OFFICE: 0 OTHERS:	Michiaki Hosono Edgar Noel Ascencio Yukio Nagahama Koji Asano	Jaime Espinoza	
2016/9/6	14:00	MARN-JICA Office	Meeting for legal base and delimitation of the committees	MARN: 3 JET: 4 JICA OFFICE: 0 OTHERS:	Yukio Nagahama Edgar Noel Ascencio Michiaki Hosono Flavia Cuenca	Rosalba Alvarenga Parada Silvia de Larios Hernan Romero	
2016/9/9	13:30	MARN-JICA Office	Meeting regarding the strategy of zonification and delimitation of the MARN-JICA project area	MARN: 5 JET: 5 JICA OFFICE: 0 OTHERS:	Flavia Cuenca Yukio Nagahama Michiaki Hosono Edgar Noel Ascencio Koji Asano	Rosalba Alvarenga Parada Jaime Espinoza Tily Perdomo Luis Chipagua Roberto Ceron	

2016/9/20	14:10	MARN-JICA Office	Meeting for management of invasive species in wetlands	MARN: 5 JET: 3 JICA OFFICE: 0 OTHERS:	Yukio Nagahama Koji Asano Ruben Vasquez	Maria Dolores Roviera Georgina Mariona Rosalba Alvarenga Parada Jaime Espinoza Luis Chipagua	
2016/9/21	14:00	MAG	Mr. Hosono meeting with his contrapart in MAG	MARN: 0 JET: 2 JICA OFFICE: 0 OTHERS: 3	Michiaki Hosono Ruben Vasquez	Francisco Marquez Yessica Sanchez Erbin Sermeño	
2016/9/22	10:30	Sandra Carranza MARN Office	Meeting for coordinating local workshop	MARN: 5 JET: JICA OFFICE: 2 OTHERS:	Esther Romero	Rosalba Alvarenga Parada Sandra Carranza	
2016/9/26	13:20	MARN-JICA Office	ANP Lecture	MARN: 2 JET: 2 JICA OFFICE: 0 OTHERS:	Koji Asano Yukio Nagahama	Jose David Castillo Canton Carlos Enrique Figueroa	
2016/9/28	14:30	MARN-JICA Office	Mr. Hosono presentation of zonification progress	MARN: 3 JET: 2 JICA OFFICE: 0 OTHERS:	Luis Chipagua Edgar Noel Ascencio Michiaki Hosono	Georgina Mariona Ana Perdomo	
2016/9/28	14:30	Salvanatura	Salvanatura meeting	MARN: 1 JET: 2 JICA OFFICE: 0 OTHERS: 1	Ruben Vasquez Yukio Nagahama	Alvaro Moises Georgina Mariona	
2016/11/15	15:00	MARN	Action Plan progress	MARN: 3 JET: 2 JICA OFFICE: 0 OTHERS: 0	Shinichiro Tsuji Edgar Noel Ascencio	Jaime Espinoza Georgina Mariona Ariana Bazzaglia	
2016/11/16	8:00	MARN	Proposal for environmental zoning of the marine coastal strip (by Ana Perdomo)	MARN: 5 JET: 2 JICA OFFICE: 0 OTHERS: 0	Shinichiro Tsuji Michiaki Hosono	Jose David Castillo Canton Miguel A. Gallardo Ariana Bazzaglia Jaime Espinoza Carlos Enrique Figueroa	
2016/11/22	8:00	MARN	CREHO Seminar ppt (by Georgina Mariona)	MARN: 0 JET: 1 JICA OFFICE: 0 OTHERS: 2	Shinichiro Tsuji Koji Asano Tamao Tada Flavia Cuenca	Carolina Aviles Maritza Guidom Miguel A. Gallardo Luis Chipagua Vladimir Baiza Georgina Mariona	
2016/11/25	15:00	MARN	Meeting with GEF project	MARN: 1 JET: 2 JICA OFFICE: 1 OTHERS: 3	Shinichiro Tsuji	Ariana Bazzaglia Silvia Vides	
2016/12/5	11:00	MARN	Meeting to discuss guidelines for the management plan	MARN: 2 JET: 3 JICA OFFICE: 2 OTHERS: 4	Koji Asano Flavia Cuenca	Georgina Mariona Rene Garay	

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Date	Time	(Place/ Organization)	(Subject)	(Number of group)	JICA	MARN Counterpart and others	Corresponding PDM activity
2017/3/2	13:30	MARN-JICA OFFICE	Meeting with an outsourcing contractor for biodiversity survey	MARN: 0 JET: 2 JICA OFFICE: 0 OTHERS: 1	Yukio Nagahama Esther Romero	Alicia Diaz	1-2/1-4
2017/2/20	8:00	MARN-JICA OFFICE	Presentation of new consultants to contrapart	MARN: 3 JET: 3 JICA OFFICE: 0 OTHERS: 2	Koji Asano Rubén Vasquez Victor Henriquez	Georgina MarionA Oscar Garza Rosalba Alvarenga Alicia Diaz Wilfredo A López	
2017/3/1	8:00	MARN-JICA Office	Organization and planification with GEF Project for Olomega and Jocotal Lagoon	MARN: 2 JET: 2 JICA OFFICE: 0 OTHERS: 2	Shinichiro Tsuji Koji Asano Victor M. Henriquez	Jaime Espinoza Alexander Ordoñez Ariana Bazzaglia	
01/03/2017	10:00	MARN-JICA Office	Internal Procedures review for local committees of Jocotal and Olomega Lagoons	MARN: 3 JET: 3 JICA OFFICE: 0 OTHERS: 0	Koji Asano Shinichiro Tsuji Victor M. Henriquez	Jaime Espinoza Rosalba Alvarenga Parada Jose David Castillo Canton	1-1
2017/3/7	11:00	Gobernación San Miguel	Follow up meeting local committee Jocotal Lagoon	MARN: 1 JET: 3 JICA OFFICE: 0 OTHERS: 5	Shinichiro Tsuji Rubén Vasquez Edgar Ascencio	Jose María Pineda Esmeralda Isabel Ochoa Héctor Pineda Oscar Matamoros Alvarez Mily Monterrosa Rosalba Alvarenga Parada	1-1
2017/3/9	14:00	Ministerio de Gobernación	Interview with Mr. Hattori	MARN: JET: 3 JICA OFFICE: 1 OTHERS: 2	Shinichiro Tsuji Koji Asano Rubén Vasquez	Roxana García Toshiko Hattori	
2017/3/10	7:30	MARN-JICA Office	FUNDAZUCAR	MARN: 2 JET: 1 JICA OFFICE: 0 OTHERS: 2	Shinichiro Tsuji	Nelson Senteño Rojas Margarita García Tomas Regalado Rossy Rodriguez	3-3
2017/3/13	9:30	MARN-JICA Office	WorkPlan 2017 and advances 2016	MARN: 4 JET: 5 JICA OFFICE: 0 OTHERS: 0	Aya Mizuno Keisuke Shimizu Koji Asano Shinichiro Tsuji Victor M. Henriquez	Jaime Espinoza Jose David Castillo Canton Roberto Ceron Luis Pineda	
2017/3/14	9:00	Hotel Trópico Inn San Miguel	Preparatory meeting of local committee and boardmembers election for ramsar committees in Olomega and Jocotal Lagoons	MARN: 1 JET: 5 JICA OFFICE: 0 OTHERS: 53	Rubén Vasquez Shinichiro Tsuji Aya Mizuno Keisuke Shimizu Esther Romero	Rosalba Alvarenga Parada Local Committees from Olomega and Jocotal	1-1
2017/3/21	9:30	Centro de Gobierno San Miguel	Committee Ramsar Meeting Olomega Lagoon	MARN: 1 JET: 2 JICA OFFICE: 0 OTHERS: 9	Shinichiro Tsuji Aya Mizuno	Rosalba Alvarenga Parada Willian Balmoris Campos Héctor Pineda Saravia José María Pineda Josue Vidal Barahona Ramón Aristides Arias José Santos Mily Monterrosa Santos de Arias Daniel E Alas	1-1
2017/3/21	14:00	Municipality El Tránsito	Local committee from Jocotal Lagoon	MARN: 1 JET: 4 JICA OFFICE: 0 OTHERS: 7	Shinichiro Tsuji Aya Mizuno Edgar Ascencio Victor Henriquez	Enrique Mendoza José Oswaldo Granados Cesar Enrique Juarez Jorge Quinteros Juan Pablo Billam Rudys Lopez Sonia Rivera José Guillermo Rivera Rosalba Alvarenga Victor Manuel Rivera Ever A Rivera	1-1
2017/3/24	9:00	MARN-JICA Office	Pilot Project	MARN: 10 JET: 4 JICA OFFICE: 0 OTHERS: 0	Keisuke Shimizu Aya Mizuno Edgar Ascencio Rubén Vasquez	Ulises Juarez Victor Henriquez Julia Maria Perez Mena Doris Gamero Walberto Gallegos Jaime Espinoza Celina Dueñas Ariana Bazzaglia	3-3

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Date	Time	(Place/ Organization)	(Subject)	(Number of group)	JICA	MARN Counterpart and others	Corresponding PDM activity
						Luis Ernesto Chipagua Tily Perdomo	
2017/3/27	15:30	Hotel Sheraton Presidente	Swear-in and Boardmembers selection of Local Ramsar committees from Jocotal and Olomega Lagoons	MARN: 6 JET: 4 JICA OFFICE: 3 OTHERS: 37	Shinichiro Tsuji Keizuke Shimizu Esther Romero Victor Henriquez	Alberto Mendoza José Granados Jorge ismael Quinteros Benjamin Alas José Angel Benitez Carlos Antonio Zavala Victor Manuel Rivera Rosalba Parada Victor M Henriquez José María Pineda Mily Monterrosa Hector Pineda Saravia Ramón Aristides Arias Willian Balmoris Campos Josue Vidal Barahona Oscar Josael Matamoros Josefina Urias Juan José Avalos Josefina Urias Kazuo Fujishiro Luis Miguel Vasquez  Kumiko Fujita Silvia de Larios Lina Pohl Fredis Omar Blanco Gallo Oscar Portillo Gladis Cardoza Jaime Espinoza Liliana Amaya  Werner Martinez Enrique Mendez Rudys López José Angel Benitez	1-1
2017/4/4	8:00	El Tránsito	Wetland Local Committee El tránsito	MARN: JET: 3 JICA OFFICE: 0 OTHERS: 11	Shinichiro Tsuji Rubén Vasquez Edgar Ascencio	José Angel Benitez Victor Manuel Rivera Carlos Antonio Zavala  Rudys López Enrique Mendoza Jorge Quinteros Ana Daysi Garay Carlos Osmín Carranza Ana Raquel Conde	1-1
2017/4/5	14:30		Agroforestry Technical Training	MARN: 0 JET: 1 JICA OFFICE: 0 OTHERS: 1	Edgar Ascencio	Luis Aviles	3-3
2017/4/7	9:00	El Tránsito, Municipality	Follow up meeting local committee Jocotal Lagoon	MARN: 1 JET: 2 JICA OFFICE: 0 OTHERS: 5	Shinichiro Tsuji Edgar Ascencio	Carlos Antonio Zavala Enrique Mendoza Rudys López José Raúl Herrera José Angel Benitez	1-1
2017/5/24	9:00	MARN-JICA Office	Discuss of Action Plan for Hidrology	MARN: 2 JET: 1 JICA OFFICE: 0 OTHERS:	Naoki Yamashita	Celina Mena Roberto Ceron	2-1
2017/5/24	9:00	Municipalidad de San Miguel, San Miguel	Discussion on the needs of municipality for wetland management	MARN: 3 JET: 5 JICA OFFICE: 0 OTHERS: 4	Yoshihiro Tokue Naoki Yamashita Keisuke Shimizu Yukio Nagahama Edgar Ascencio	Ana Perdomo Celina Mena Roberto Ceron Rosalba Alvarenga Julia María Perez Mena Georgina Mariona	2-1
2017/5/26	8:00	MARN-JICA Office	Progress Monitoring MARNJICA project	MARN: 3 JET: 5 JICA OFFICE: 0 OTHERS:	Yoshihiro Tokue Koji Asano Shinichiro Tsuji Victor Valverde Yukio Nagahama	Luis Chipagua Celina Dueñas Georgina Mariona	
2017/5/29	10:00	MARN-JICA Office	Follow up JICA project onto biodiversity research at Jocotal and Olomega	MARN: 3 JET: 3 JICA OFFICE: 0 OTHERS:2	Koji Asano Yoshihiro Tokue Yukio Nagahama	Alicia Diaz Wilfredo A López Jaime Espinoza Rosalba Parada Georgina Mariona	1-2/1-4
2017/6/2	9:20	MARN-JICA Office	Informative meeting and zoning conversation	MARN: 2 JET: 3	Yoshihiro Tokue	Jaime Espinoza	3-3

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Date	Time	(Place/ Organization)	(Subject)	(Number of group)	JICA	MARN Counterpart and others	Corresponding PDM activity
2017/6/2	9:20	MARN-JICA Office	about ANP sites in jocotal and Olomega Lagoons	JICA OFFICE: 0 OTHERS: 0	Keisuke Shimizu Koji Asano	Georgina Mariona	3-3
2017/6/7	8:00	San Miguel	Work Plan local wetland committee at Olomega	MARN: 0 JET: 1 JICA OFFICE: 0 OTHERS:8	Edgar Ascencio	Hector Pineda Saravia Oscar Matamoros Alvarez Mauricio Navas Durán  Esmeralda Isabel Ochoa Ramón Aristides Arias Willian Balmoris Campos Josue Vidal Barahona José Maria Pineda	1-1
2017/7/4	9:00	CENTA	Meeting with CENTA for wetland project MARNICA	MARN: 1 JET: 5 JICA OFFICE: 0 OTHERS:2	Michinori Yoshino Marcela Lemus Shinichiro Tsuji Gracia Vieytez Edgar Noel Ascencio Rubén Vasquez	Jaime Espinoza Mario E. lobo Mejía Napoleón Mejía	3-3
2017/7/6	14:00	CEL El Brazo	Reforestation project with Campestre group	MARN: 4 JET: 3 JICA OFFICE: 0 OTHERS:1	Michinori Yoshino Gracia Vieytez Marcela Lemus	Marina Rivera Guillermo Guadis José Erasmo Ticas José Amilcar López Rosalba Alvarenga	3-3
2017/7/6	13:00	CEL El Paraisal	Meeting with Oikos Solidaridad	MARN: 3 JET: 5 JICA OFFICE: 0 OTHERS:1	Michinori Yoshino Marcela Lemus Shinichiro Tsuji Gracia Vieytez Ruben Vasquez	José Almilcar López Leodan Ramírez José Isidro Flores Ana Daysi Garay	3-3
2017/7/12	9:00	Canton El Brazo San Miguel	Integral management of wetlands	MARN: 1 JET: 3 JICA OFFICE: 0 OTHERS: 1	Gracia Vieytez Shinichiro Tsuji Ruben Vasquez	Marina Rivera Rosalba Alvarenga	3-3
2017/7/12	12:30	3era Brigada de Infantería, MINDEF	Management for the conservation area Tecapa-San Miguel	MARN: 1 JET: 3 JICA OFFICE: 0 OTHERS:3	Gracia Vieytez Shinichiro Tsuji Ruben Vasquez	Rosalba Alvarenga Parada Anis Ester Palma Victor Rivas William Rodriguez	3-3
2017/7/18	9:30	CNR San Salvador	Meeting of coordination CENTA-MANRJICA	MARN: 1 JET: 5 JICA OFFICE: 0 OTHERS:10	Shinichiro Tsuji Gracia Vieytez Marcela Lemus Edgar Noel Ascencio Ruben Vasquez	Martín Batres Rosalba Alvarenga Parada Juan José Avalos Hector Pineda Saravia Enrique Mendoza Nelson Portillo Napoleón Mejía Martín Mejía Iglesias Martín Batres Fredis Zambrano José Angel Benítez	3-3
2017/7/20	14:30 p.m.	El Salvador National University	Coordination Meeting	MARN: 0 JET: 3 JICA OFFICE: 0 OTHERS:2	Edgar Noel Ascencio Marcela Lemus Gracia Vieytez	Abel Argueta Platero Modesto Juarez Vasquez	3-3
2017/7/21	8a.m.	Grupo CASSA Santa Elena , La Libertad	Presentation of the hyacinth congeneration iniciativeto Grupo CASSA	MARN: 1 JET: 3 JICA OFFICE: 0 OTHERS: 3	Yukio Nagahama Shinichiro Tsuji Ruben Vasquez	Ariana Bazzaglia Margarita García Claudia Figueroa Jorge Mejía	3-3
2017/7/25	8:00	MARN-JICA Office	Informative meeting about enviromental conservation	MARN: 2 JET: 3 JICA OFFICE: 0 OTHERS: 1	Shinichiro Tsuji Gracia Vieytez Ruben Vasquez	Jorge Castaneda Ariana Bazzaglia Jaime Espinoza	3-3
2017/7/26	8:00	Chalatenango	Fieldtrip to verify Agroforest and silverpasture systems in la Montañona	MARN: 1 JET: 3 JICA OFFICE: 0 OTHERS:3	Marcela Lemus Gracia Vieytez Edgar Noel Ascencio	Noé velasco Salomón Martínez Juan Arnulfo Alberto José Fredy Franco	3-3
2017/7/28	10:00	MARN-JICA Office	Actions review for action plan implementation and zoning management	MARN: 2 JET: 6 JICA OFFICE: 0 OTHERS:	José David Castillo Shinichiro Tsuji Gracia Vieytez Marcela Lemus Paola Parada Yukio Nagahama	Jaime Espinoza Rosalba Parada	2-1
2017/7/28	14:00	MARN-JICA Office	Zonning management and management plan implementation in El Jocotal	MARN: 1 JET: 1 JICA OFFICE: 0 OTHERS: 3	Paola Parada	Rosalba Parada Sonia coto Miguel Lobo Julio Campos	2-1
2017/8/16	13:00	MARN-JICA Office	BPA in sugar cane Action Plan Presentation ( JICA GEF)	MARN: 2 JET: 1 JICA OFFICE: 0 OTHERS: 2	Marcela Lemus	Ariana Bazzaglia Yolanda Barrera Rosalba Parada Nelson S.	3-3
2017/8/21	14:00	Fundazucar offices ( Santa Elena)	Project MARNJICA presentation ( Pilot 4)GEF ( BPA sugar cane)	MARN: 2 JET: 2 JICA OFFICE: 0 OTHERS:3	Koji Asano Marcela Lemus	Ariana Bazzaglia Yolanda Barrera Rossy Rodriguez Margarita García Melissa B. Mendez	3-4
					Marcela Lemus	Rosalba Parada	

Meeting List 2017 / Lista de reuniones en el 2017

Fecha	Hora	Lugar/ Organización	Tema	Numero de Asistentes	Asistentes		Resultado/ Actividad que se indica en PDM/PO que están más relacionadas con la reunión
Date	Time	(Place/ Organization)	(Subject)	(Number of group)	JICA	MARN Counterpart and others	Corresponding PDM activity
2017/8/24	14:10	Oikos office - cooperativa brisa Libertaria	Visit to Oikos Office and potential places identification fieldtrip	MARN: 2 JET: 4 JICA OFFICE: 0 OTHERS:1	Koji Asano Mónica Paola Parada Ruben Vasquez	Miguel Angel López Ana Daisy Garay	3-4
2017/8/24	15:00	El Jocotal	Meeting to collect information about aquatic invase plant Hacynth	MARN: 2 JET: 1 JICA OFFICE: 0 OTHERS: 1	Marcela Lemus	Rosalba Parada Jose Isidro Flores José Angel Benitez	3-4
2017/8/29	10:00	MARN-JICA Office	Good farming practices advice for wetland management	MARN: 4 JET: 2 JICA OFFICE: 0 OTHERS: 3	Koji Asano Marcela Lemus	Rosalba Alvarenga Parada Julio Galvez Edwin Alvarado Margarita garcia Nekson Salguero Jaime Espinoza Yolanda Barrera	3-4
2017/8/31	8:15	MARN-JICA Office	MARNJICA and Gef MAG San Miguel Project Presentation	MARN: 1 JET: 1 JICA OFFICE: 0 OTHERS:2	Marcela Lemus	Rosalba Parada Yolanda Barrera Carlos Quijano	3-4
2017/9/5	17:30	3era Brigada de Infantería San Miguel	Pilot Project 3 and GEF Project presentacion to vice-gobernor	MARN: 0 JET: 2 JICA OFFICE: 0 OTHERS:3	Marcela Lemus Luis Mario Aguirre	Victor Hugo Rivas William Rodriguez Yolanda Barrera	3-4
2017/9/5	13:30	DGVA Offices in San Miguel	Pilot Project 3 and GEF Project presentation to DGVA / BPA sugar cane	MARN: 1 JET: 3 JICA OFFICE: 0 OTHERS:2	Marcela Lemus Luis Mario Aguirre Ruben Vasquez	Erasmo Perla Mendoza Yolanda Barrera Rosalba Alvarenga Parada	3-4
2017/9/5	10:30	Centro de Gobierno San Miguel	Pilot Project 3 and GEF Project presentation to Agricultural department San miguel Municipality	MARN: 1 JET: 2 JICA OFFICE: 0 OTHERS: 2	Marcela Lemus Rubén Vasquez	Raúl A. Romero Yolanda Barrera Rosalba Parada	3-4
2017/9/6	8:00	AGES offices	Pilot Project 3 and GEF presentation To Salvadorean Livestock Association (AGES)	MARN: 0 JET: 3 JICA OFFICE: 0 OTHERS:4	Marcela Lemus Luis Mario Aguirre Ruben Vasquez	Yolanda Barrera Mario Esquivel Juan Carlos Avelar Pablo Avelar Miranda	3-4
2017/9/7	14:00	MARNJICA office	Advances presentation of Pilo Project to Ecosystems management and wild life	MARN: 10 JET: 7 JICA OFFICE: 0 OTHERS:	Koji Asano Yoshihiro Tokue Shinichiro Tsuji Marcela Lemus Gracia Vieyetz Luis Mario Aguirre  Paola Parada	Luis Pineda Rosalba Parada Michelle López Georgina Mariona Silvia de Laríos Roberto Ceron Andres Sanchez Tily Perdomo Ana Eugenia Aguilar Jaime Espinoza	3-4
2017/9/20	11:30	CENTA San Miguel	Work Presentation and pilot #3 to CENTA la Cañada	MARN: JET: 3 JICA OFFICE: OTHERS: 3	Shinichiro Tsuji Marcela Lemus Luis Mario Aguirre	Edgar Padilla Walter Martinez Nelson Portillo	3-4
2016/9/20	14:45	Oikos office	Meeting to discuss Farms model design and TOR	MARN: 0 JET: 3 JICA OFFICE: OTHERS: 2	Shinichiro Tsuji Marcela Lemus Luis Mario Aguirre	Benjamin Alas Marisa Joya	3-4
2017/9/21	15:00	Caja Comunal El Borbollon	Pilot project Presentation to Local Committee El Jocotal	MARN: 0 JET: 5 JICA OFFICE: OTHERS: 6	Shinichiro Tsuji Paola Parada Marcela Lemus Rubén Vasquez Luis Mario Aguirre	José Angel Benitez Jorge Quinteros Benjamin Alas Enrique Mendoza Victor Manuel Rivera William Gonzales	3-4
2017/9/21	10:00	Municipality San Miguel	Pilot project Presentation to Local Committee Olomega	MARN: 0 JET: 4 JICA OFFICE:0 OTHERS: 7	Shinichiro Tsuji Paola Parada Marcela Lemus Luis Mario Aguirre	José Maria Pineda William Balmoris Juan José Avalos Yolanda Barrera Josue Vidal Barahona Hector Pineda Saravia	3-4
2017/9/29	9:00	CASSA Offices in Santa Elena	Pilot #4 Project Proposal to Grupo CASSA	MARN: 2 JET: 2 JICA OFFICE:0 OTHERS: 5	Shinichiro Tsuji Marcela Lemus	Ernesto Mendoza Wilfredo Marquez Ricardo Gil Nelson Saz Claudia Figueroa Yolanda Barrera	3-4
2017/10/3	10:30	Chaparrastique sugar mill Offices	Pilot Project #1 and #4 presentation to Sugar mill Chaparrastique	MARN: 1 JET: 3 JICA OFFICE:0 OTHERS: 3	Yukio Nagahama Marcela Lemus Luis Mario Aguirre	Ernesto Mendoza Wilfredo Parada Rosalba Parada William Molina	3-4
2017/10/5	11:00	MARN	Management of the natural area and wetland Jocotal	MARN: 1 JET: 2 JICA OFFICE:0 OTHERS: 3	Yukio Nagahama Paola Parada	Julio E Campos Miguel Lobo Sonia coto Rosalba Parada	3-4
2017/10/13	10:00	MARN San Salvador	Meeting with Grupo Avicola Campestre (pilot project 3 - Moritas reforestation)	MARN: 0 JET: 2 JICA OFFICE:0 OTHERS: 2	Gracia Vieyetz David Castillo	Marina Rivera Shinichiro Romero	3-4
				MARN: 0	Michinori Yoshino	Melissa B. Mendez	



Meeting List 2017 / Lista de reuniones en el 2017

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Date	Time	(Place/ Organization)	(Subject)	(Number of group)	JICA	MARN Counterpart and others	Corresponding PDM activity
2017/10/13	8:00	Fundazucar offices ( Santa Elena)	Follow up meeting PP4 ( selection of places for BPA training)	JET: 2 JICA OFFICE:0 OTHERS: 2	Marcela Lemus	Rossy Rodriguez	3-4
2017/10/16	9:10	MARNJICA office	Enviromental Educational center presentation	MARN: 5 JET: 2 JICA OFFICE:0 OTHERS: 0	Gracia Vieyetz Paola Parada	Georgina Mariona Javier Magaña Jaime Espinoza Rosalba Parada Silvia de Larios	3-4
2017/10/18	10:00	MARNJICA office	Meeting MARN and MARJICA 8 pilot 3 reforestation with Grupo Campestre	MARN: 1 JET: 3 JICA OFFICE: OTHERS:	Shinichiro Tsuji Michinori Yoshino Gracia Vieyetz	Jorge Castaneda	3-4
2017/10/20	10:00	FIAES San Salvador	Meeting with FIAES	MARN: 0 JET: 2 JICA OFFICE: OTHERS: 2	Gracia Vieyetz Marcela Lemus	Mariano Pacas Jorge Oviedo	3-4
2017/10/20	8:30	Grupo CASSA Santa Elena , La Libertad	1st work meeting with Grupo eASSA and Fundazucar for pilot project 4	MARN: 2 JET: 2 JICA OFFICE: OTHERS: 4	Shinichiro Tsuji Marcela Lemus	Nelson Saz Rossy Rodríguez Ricardo Gil Melissa B. Mendez Ever Vasquez Yolanda Barrera	3-4
2017/11/1	9:00	MARNJICA office	Porject advances presentation	MARN: 5 JET: 8 JICA OFFICE: OTHERS:	Koji Asano Shinichiro Tsuji Yukio Nagahama Keisuke Shimizu Marcela Lemus Paola Parada David Castillo Gracia Vieyetz	Luis Pineda Tily Perdomo Victor Cuchilla Rosalba Parada Jaime Espinoza	
2017/11/7	10:00	MARNJICA office	Meeting with Grupo Avicola Campestre (pilot project 3 - agreement revision)	MARN: 2 JET: 3 JICA OFFICE: OTHERS: 3	Shinichiro Tsuji Gracia Vieyetz José David Castillo	Marina Rivera Shinichiro Romero Iris Gabriela Romero Javier Magaña Rosalba Parada	3-4
2017/11/10	9:45	MARN office at Jocotal	General Prototype preparation workshop for pilot pp3	MARN: 0 JET: 3 JICA OFFICE: OTHERS: 8	Marcela Lemus Luis Mario Aguirre Mauricio Vanegas	Benjamin Alas Alberto Mendoza Juan Pablo Bonilla José Guillermo Rivera Hector Pineda Saravia Daniel Eduardo A José Angel Benitez Victor Rivera	3-4
2017/11/24	11:00	Gobernación San Miguel	Local Committee meeting for revive and adaptation for General Assembly agenda	MARN: 0 JET: 2 JICA OFFICE: OTHERS: 2	Paola Parada Marcela Lemus	Juan José Avalos José Maria Pineda	1-1
2017/11/24	9:00	MARN office at Jocotal	Local Committee meeting for revive and adaptation for General Assembly agenda	MARN: 0 JET: 2 JICA OFFICE: OTHERS: 3	Paola Parada Marcela Lemus	Victor Mamuel Rivera Enrique Mendoza José Angel Benitez	1-1
2017/11/29	16:00	MARNJICA office	Follow up meeting of Market Study	MARN: JET: 3 JICA OFFICE: OTHERS: 1	Shinichiro Tsuji Marcela Lemus Luis Mario Aguirre	Mauricio Vanegas	3-4
2017/12/5	15:30	Sugar Mill Chaparrastique Offices	Follow up meeting to coordinate pp1 with Sugar mill Chaparrastique	MARN: 0 JET: 2 JICA OFFICE: OTHERS: 2	Shinichiro Tsuji Marcela Lemus	William R Molina Wilfredo Parada	3-4
2017/12/5	9:00	Oikos office	First monthly meeting with Oikos Solidaridad	MARN: 0 JET: 2 JICA OFFICE: OTHERS: 3	Shinichiro Tsuji Marcela Lemus	José Guillermo Rivera Benjamin Alas Daniel Eduardo Alas	3-4
2017/12/6	13:30	MARNJICA office	Workshop about Management Plan of wetland and zoning plan	MARN: 4 JET: 5 JICA OFFICE: OTHERS: 4	Shinichiro Tsuji Koji Asano Yoshihiro Tokue Keisuke Shimizu	Mario E Lobo Bernardo N. Romero Jaime Espinoza Georgina Mariona Claribel Tejada Silvia de Larios Rosalba Parada Jonathan Alvarado	2-1
2017/12/7	9:30	Gobernación San Miguel	Preparatory workshop for General Assembly	MARN: 4 JET: 3 JICA OFFICE: OTHERS:	Jose David Castillo Paola Parada Marcela Lemus	Hector Pineda Saravia Jospe Mario Pineda Fredis Omar Blanco Gallo	1-1
				MARN: JET: 3	José David Castillo Paola Parada	José Angel Benitez Rudys López	

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Fecha	Hora	Lugar/ Organización	Tema	Numero de Asistentes	Asistentes		Resultado/ Actividad que se indica en PDM/PO que están más relacionadas con la reunión
Date	Time	(Place/ Organization)	(Subject)	(Number of group)	JICA	MARN Counterpart and others	Corresponding PDM activity
2017/12/7	13:00	Jocotal Lagoon office	Work Plan local wetland committee at Jocotal	JICA OFFICE: OTHERS: 7	Marcela Lemus	Victor Manuel Rivera Benjamin Alas Enrique Mendoza Carlos Zavala Jesús Hernandez	1-1
2017/12/12	8:00	Hotel Tropico Inn San Miguel	Wetlands Workplan and General Assembly for Local RAMSAR committess in Jocotal and Olomega Lagoons	MARN: 3 JET: 6 JICA OFFICE:1 OTHERS: 62	Koji Asano Shinichiro Tsuji Keisuke Shimizu Yoshihiro Tokue Marcela Lemus Paola Parada	Rosalba Parada Jaime Espinoza Georgina Mariona Local Committees member from Jocotal and Olomega lagoons	1-1
2017/12/13	14:00	MARNJICA office	Work plan review and contract signature Mr. Linares	MARN: 0 JET: 2 JICA OFFICE: OTHERS: 1	Shinichiro Tsuji Gracia Vieyetz	Mr. Linares	3-4
2017/12/14	9:00	La estrechura, Chirilagua San Miguel	Pilot project planning	MARN: 0 JET: 2 JICA OFFICE: OTHERS: 13	Michinori Yoshino Luis Mario Aguirre	Juan José López Josefa Elizabeth Avila Genaro Medina José Armando ayala Ana Beatriz Virgilio Gonzalez Oscar Matamoros Alvarez Jose Guillermo Rivera  Edwin Geovany Chavez  Daniel Eduardo Arias Benjamin Alas Mauricio Vanegas  Edwin Geovany Chavez	3-4
2017/12/18	9:00	Oikos San Miguel	Socialization meeting with El Jocotal beneficiaries	MARN: 0 JET: 2 JICA OFFICE: OTHERS: 4	Luis Mario Aguirre Mauricio Vanegas	Emma G Maravilla Ana Catalina Bonilla Enrique Mendoza William	3-4

Meeting List 2018 / Lista de reuniones en el 2018

Fecha	Hora	Lugar/ Organización	Tema	Numero de Asistentes	Asistentes		Resultado/ Actividad que se indica en PDM/PO que están más relacionadas con la reunión
Date	Time	(Place/ Organization)	(Subject)	(Number of group)	JICA	MARN Counterpart and others	Corresponding PDM activity
2018/1/16	9:30	Oficinas de MARN San Salvador	Review of the graphic design for learnign center in Jocotal	MARN: 2 JET: 3 JICA OFFICE: OTHERS:	Shinichiro Tsuji Yukio Nagahama Gracia Vieyetz		Pilot 2
2018/1/16	10:00	Workshop of monitoring manuals	Workshop prepared by Alicia Diaz to validate the monitoring manuals	MARN: 4 JET: 6 JICA OFFICE: OTHERS:	Yukio Nagahama Alicia Diaz Raúl López ( Alicia ) Jeniffer Marisol G ( Alicia) Wilfredo A López Marcela Lemus	Luis Pineda Jordi Segura Georgina Mariona Rosalba Alvarenga Parada	
2018/1/17	0:00	Oikos office at San Miguel	Meeting with Oikos to farm desing beneficiary producers	MARN: JET: 3 JICA OFFICE: OTHERS: 2	Shinichiro Tsuji Marcela Lemus Rodolfo Rivera	Daniel Alas Benjamin Alas	
2018/1/19	10:00	MARN offices San Salvador	Meeting with Panels designer for Educational center in Jocotal	MARN: JET: 1 JICA OFFICE: 0 OTHERS: 1	Gracia Vieyetz	Javier Miranda	
2018/2/9	9:00	MARN offices San Salvador	Workshop prepared by profesor Ledis Linares for restoration of ecosystems and Taxonomical evaluation	MARN: 16 JET: 8 JICA OFFICE: 0 OTHERS: 2	Koji Asano David Castillo Marcela Lemus Rodolfo Rivera Gracia Vieyetz Paola Parada Leticia Andino Silvia Fuentes	José Luis Guerra José Luis Giron Orlando Portillo Olga Espinoza Miguel Gallardo Jaime Espinoza Silvia de Larios Miriam E. Castaneda Hector Elias Cruz Marlon Oliva Gonzales Adan Antonio Castillo Miriam Estela C Marcela Marcia Jonis Lopez Alba Cruz Gabriel Cortez Victor Cuchilla Ariana Bazzaglia Ronald Gonzalez Andres Sanchez Liliana Amaya Javier Magaña Leodan Ramirez Georgina Mariona Miguel Angel Lopez Jospe Erasmo Ticas Sandra E. Carpio	
2018/2/12	15:20	Educational Center El Jocotal, San Miguel	Local committee meeting	MARN: 1 JET: 3 JICA OFFICE: 0 OTHERS: 6	Marcela Lemus Paola Parada	Rosalba Parada Victor Manuel Rivera José A. Benitez Enrique Mendoza Marcos Zelaya Carlos A Zavala Osmin Carranza	
2018/2/14	15:20	MARN offices San Salvador	Meeting with PROCOMES to disscuss reforestation proposal	MARN: 1 JET: 2 JICA OFFICE: 0 OTHERS: 2	Marcela Lemus Rodolfo Rivera	Rosalba Parada Victor Sanchez Nelson A Aguilar	
2018/2/23	9:00	MARN offices San Salvador	Coordination meeting of RAMSAR Local committee presidents:preparatory meeting before National Committee	MARN: 1 JET: 0 JICA OFFICE: 0 Others: 8		Rosalba Parada José María Pineda Enrique Mendez María Elena Rivas Alexander Reyes Leda Ramirez Francisco Zaldaña José Flores Pedro Ramon Fuentes	
2018/2/26	9:15	MARN offices San	Results presentation workshop ok market	MARN 5 JET 1 JICA OFFICE :0	Rodolfo Rivera	Eleazar Torres Javier Magaña Jaime Espinoza Rosalba Parada	

2018/2/26	9:15	Salvador	workshop ok market study, pilot project 3	OTHERS: 3		Ariana Bazzaglia Nelson Saz Daniel Alas Ronald Gonzalez
2018/2/27	10:30	Chaparrastique sugarcane mill , San Miguel	Follow up meeting for pp4 with FUNDAZUCAR and GRUPO CASSA	MARN: 1 JET: 1 JICA OFFICE: OTHERS: 10	Marcela Lemus	Rosalba Parada Ever A Vasquez Santiago Blanco Alex Vasquez Marcos Rodriguez Victor Espinal Edwin Solis Ricardo Gil Vladimir Herrera Juan Francisco Ascencio Rosy Rodriguez Ricardo Gil
2018/3/21	8:30	Club Aguila, San Miguel	Wetland and GAP ( Good Agricultural Practices) relation (group 1 El transito)	MARN: 1 JET: 1 JICA OFFICE: 0 OTHERS: 18	Marcela Lemus	Rosalba Parada Blanca A Vargas Luis Gutierrez Pablo Avila Jose Fidel Trejo Ramiro Cuellar Tita Pereira José H Sandoval Luis Edmundo García Raul A Portillo Carlos Vanegas Raúl Gomez Jose Oswaldo Peña Norgen Molina Vladimir Herrera Ever Vasquez Mayency Linares Edwin Solis Santiago Salamo
2018/3/22	8:30	Club Aguila, San Miguel	Wetland and GAP ( Good Agricultural Practices) relation (group 2 Miraflores)	MARN: 1 JET: 1 JICA OFFICE: 0 OTHERS: 26	Marcela Lemus	Rosalba Parada José S Rodriguez William A Rivera Marcos I Rodriguez Oscar Evelio Nieto Oscar Alfonso Chavez Florentin Lopez Victor E Medinez Oscar A Arteaga José E Carcamo Santiago Solano Saul Posada José M Perla Francisco Vasquez José Mejia Julio Cesar Rodriguez Anibal Contreras Francisco J trejo José G Torres Ovidio E Cordova Ravid C Reyes Cristian A Castillo Pedro Rivera Quinteros Carlos Membreño Salvador Santamaria Yolanda Barrera Omar Benavides
2018/4/11	8:30	El Jocotal office	Hyacinth extraction for cogeneration test	MARN: 2 JET: 3 JICA OFFICE: 0 OTHERS: 11	Shinichiro Tsuji Marcela Lemus Yukio Nagahama	Miguel Angel Lopez Rosalba Alvarenga Reynaldo Portillo Jose Angel Bonilla Nilson Guerrero Giovanni Marroquin Santos Mendoza Oscar Herrera Marcos Zelaya Adan Hernandez Edgar Hernandez Manuel Rivera Pablo Gonzales Osmin Carranza
2018/4/13	8:30	MARN offices San Salvador	Meeting with PROCOMES to follow up reforestation project	MARN: 1 JET: 2 JICA OFFICE: 0 OTHERS: 2	Shinichiro Tsuji Rodolfo Rivera	Cristina Ardon Ever Vega Javier Choto

2018/4/16	9:00	Hotel Sheraton Presidente	First Meeting of National Ramsar Committees	MARN: 10 JET: 7 JICA OFFICE: 3 OTHERS: 34	Koji Asano Shinichiro Tsuji Yukio Nagahama Michinori Yoshino Marcela Lemus Paola Parada Silvia Fuentes Kazue Fujishiro Luis Miguel Vasquez Inoue Taisuke	Silvia de Larios Jaime Espinoza Rosalba Parada Georgina Mariona Edwin Alcidez Diaz Sergio Alexander Pedro Ramon Fuentes Karla Alvarado Enrique Mendoza Jose Pineda Hector Pineda Leonel Rodriguez Waldemar Arneke Saul Vasquez Jose Francisco Zaldaña José Angel benitez Mauricio Avila Leda Ramirez Maria Elena Rivas Jorge Oviedo Claribel tejada Jonathan Alvarado Roberto Amaya Ileana Rivas Gabriela Sosa Sandra Carranza Lina Pohl Miguel Hofman Kricia Recinos Rudy Lopez Julio Zaldaña Alitili López Israel Garcia Reyes de los Angeles Juana Santamaria Edelnison Antonio Cecilia Pocasangre Rocio Lisbeth Pineda Oscar Matamoros Douglas Chicas Michelle López	
2018/5/9	8:30	JICA Offices	Presentation of MARN-JICA Initiative to FONAES.	MARN: 2 JET: 2 JICA Office: 0 Others: 2	Marcela Lemus Rodolfo Rivera	Jaime Espinoza Rosalba Alvarenga Alfredo Rodriguez Oliva Mira	
2018/5/16	8:30	Club Aguila, San Miguel	4th Workshop of Good Agricultural Practices.	MARN: 2 JET: 1 JICA Office: 0 Others: 17	Marcela Lemus	Rosalba Parada José Amilcar López B. A. Reyes Luis Garcia Norgen Molina José Manuel Perlas Luis Gutierrez José H. J. Tita Pereira Francisco M. José R. Escobar Blanca A Vargas José G. José Leonel Caña José Oswaldo Peña Santiago Solano José E. Sánchez Vicente R. Miriam Hazel M.	
2018/5/17	8:30	Club Aguila, San Miguel	4th Workshop of Good Agricultural Practices.	MARN: 4 JET: 1 JICA Office: 0 Others: 18	Marcela Lemus	José Flores Rosalba Parada José Amilcar López Aleides Sorto Carlos Membreño Pedro Quinteros José Everardo Ovidio E Cordova Victor Ramos E Marcos Rodríguez Oscar Albino A. Victor Eduardo M. Florentin Lopez Ravid C Reyes Cristian Alexander Miriam Hazel M. José R. Escobar José Mejía S.	

						Anibal Contreras Julio Cesar Rodriguez Oscar Evelio Nieto Oscar A. Chávez
2018/5/24	8:30	Club Aguila, San Miguel	4th Workshop of GAP on Sugarcane, Group #3/ Water and Soil Conservation	MARN: 2 JET: 0 JICA Office: 0 Others: 10		V. David C. Macario Rivas Rolando Ramos Tito Fernando Molina Manlio S. Gómez William Chávez José Arismendy José Adalberto V. David C. Miguel Ángel José de la Paz Mejía Zoila Reyes Benítez Juan Francisco Rivas Luis Alberto Martínez Isaac A. Trejo Juana Ochoa Edwin Solís Vladimir Herrera
2018/5/30	8:30	Club Aguila, San Miguel	5th Workshop of GAP - Sowing in New Areas and Integrated Plague Management	MARN: 3 JET: 1 JICA Office: 0 Others: 17	Marcela Lemus	Rosalba Parada José Isidro Flores José Amilcar López Blanca A Vargas Leonel Cañas Mauricio Barrera Vicente Rivera G. Santiago Solano B. A. Reyes José Oswaldo Peña Norgen Molina Luis G. H. Sandoval Tito Pereira Francisco Molina José E. Sánchez Ernesto Mendoza Frank Figueroa Edwin Solís Vladimir Herrera
2018/5/31	8:00	Club Águila, San Miguel	5th Workshop of GAP - Sowing in New Areas and Integrated Plague Management	MARN: 1 JET: 1 JICA OFFICE: 0 OTHERS: 19	Marcela Lemus	Rosalba Parada Florentin Lopez Ravid Chavez Carlos Membreño Cristian Castro Pedro Quinteros José Everardo José Gerardo Torres José Sebastián R. Francisco Javier William Antonio Anibal Contreras Julio César Rodríguez José Mejías Oscar A. Chávez Víctor E. Martínez Oscar Albino A. Omar Benavides José Manuel Perlas Frank Figueroa
2018/6/7	8:30	Club Aguila, San Miguel	5th Workshop of GAP - Sowing in New Areas and Integrated Plague Management - Group #3	MARN: 1 JET: 1 JICA OFFICE: 0 OTHERS: 18	Marcela Lemus	Rosalba Parada Satarnino Gómez José de la Paz Mejía William René Chávez José Adalberto V. A. Coreas Zoila Reyes Benítez Noé Aparicio Miguel Angel O. Juan F. Rivas Saravia Alcides Medrano Isaac A. Trejo César Mejía Johan Alexander S. Juana Ochoa Antonio Medina Satarnino Gómez José de la Paz Mejía William René Chávez Herbert Luna Vielmer Figueroa Vladimir Herrera
					Morris Cárdenas	Rosalba Parada Amanda Rosales

2018/6/12	8:00	FEPADE San Salvador	Sugarcane Cultivation GAPS and Wetlands Guide	MARN: 1 JET: 1 JICA Office: Other: 10		Dora Luz Zelaya María del Carmen F. Cristi Maricela Rogel Ligia Elena Alvarenga	
2018/6/15	10:00	MARN offices San Salvador	Meeting with OIKOS, Reference Terms Revision, Second Phase	MARN: 0 JET: 3 JICA Office: 0 Other: 2	Marcela Lemus Rodolfo Rivera Sergio Tsuji	Daniel Alas José Guillermo Rivera	
2018/6/21	8:30	Club Aguila, San Miguel	6th Workshop of GAPS - Sowing in New Areas and The Importance of Plagues Intergrated Management in Wetland Conservancy	MARN: 2 JET: 2 JICA Office: 0 Others: 16	Marcela Lemus Sergio Tsuji	Rosalba Parada Macario Rivas Zoila Reyes B. Isaac A. Trejo Juan Francisco Rivas Miguel Angel G. Raúl Gómez Z. Noé Aparicio José Arismendy José Adalberto V. José de la Paz Mejía Satarnino Gómez G. Corea Tito Fernando Molina Oscar Rolando Alex Abel Gonzalez Juana Ochoa Vladimir Herrera	
2018/6/21	13:00	Las Perlitas Offices, San Miguel	First Meeting with Las Perlitas for Possible Partnership Signature.	MARN: 0 JET: 1 JICA OFFICE: 0 OTHERS: 2	Marcela Lemus	René Rafael Perla Ligia de Benitez	
2018/6/26	13:00	MAG (soyapango)		MARN: JET: 3 JICA OFFICE: OTHERS:	Shinichiro Tsuji Michinori Yoshino Marcela Lemus		
2018/6/26	15:00	Oficinas Fundazúcar	Meeting about Graduation Event Logictis	MARN: 0 JET: 3 JICA Office: 0 Others: 2	Shinichiro Tsuji Michinori Yoshino Marcela Lemus	Vladimir Herrera Melissa Méndez	
2018/6/26	12:50	Oficinas MAG, El Matazano	Meeting with DGFCR About	MARN: 0 JET: 2 JICA Office Others:	Shinichiro Tsuji Michinori Yoshino Marcela Lemus	Manuel Sosa Luis Torres M. Espinoza	
04/07/0118	10:30	Oficinas MARN, El Jocotal	Meeting to Discuss Activities in Las Moritas to Explore Possible Partnership with Las Pe	MARN: 2 JET: 3 JICA Office: 0 Others:	Marcela Lemus Keisuke Yanehashi Rodolfo Rivera Yukio Nagahama	Rosalba Parada Miguel Angel Lopez Ligia de Benitez René Rafael Perla José Oscar Morena	
2018/7/5	14:00	Oficinas CASSA, Santa Elena	Meeting to Define GAPS to which will be Followed up in Phase II	MARN: 0 JET: 1 JICA Office: 0 Orhers:1	Marcela Lemus	José Ricardo Gil Melvi Aurelio Roque	
2018/7/12	9:00	MARN, Fl 3, Jiquilisco Room	Drone Training	MARN: 6 JET: 2 JICA Office: Other:	Alicia Diaz Leticia Andino	Yesenia Peñate Georgina Mariona Ana Eugenia Jaime Espinoza Elvert Pa Rosalba Parada	
2018/7/31	11:00	Las Perlitas Offices, San Miguel	Meeting with Staff of Las Perlitas to Request Support for Pilot Project	MARN: 1 JET: 2 JICA Office: Other: 3	Marcela Lemus Sergio Tsuji	Rosalba Parada Juan Perla Ligia de Benitez Orlando Perla	
2018/9/10		MARN offices San Salvador	Presentation about Final Version of Zoning by Mr. Tokue	MARN: 5 JET: 4 JICA Office: Other:	Marcela Lemus Koji Asano Yoshihiro Tokue Morris Cárdenas	Yesenia Peñate Rosalba Parada José R. Valles León Georgina Mariona Roberto Cerón	
				MARN: 3	Marcela Lemus	Rosalba Parada José Daniel Castillo José Amilcar López Mauricio Navos	

2018/9/12	9:10	Oficinas INJUVE, San Miguel	Environmental Governance and Strengthening	JET: 1 JICA Office: Other:		William B. Campos Oscar Matamorros Ramón Arias Vidal Barahona José Pineda Héctor Pineda Fredis Omar Blanco G. Mily Monterrosa Liliana Guevara Edwin Martínez	
2018/9/13	10:15	JICA Offices	Meeting with Project GEF-PNUD Coordination to Work Along with GAP in Sugarcane	MARN: 2 JET: 3 JICA Office: 0 Other: 1	Marcela Lemus Rodolfo Rivera Michinori Yoshino	Ariana Bazzaglia Juan José Sánchez Abelardo Ramos	
2018/9/18	10:15	JICA Offices	JICA-GEF Coordination Meeting and Workplan Presentation PP4 to MARN.	MARN: 3 JET: 2 JICA Office: 0 Other: 0	Marcela Lemus Juan J. Sánchez	Ariana Bazzaglia Rosalba Parada Abelardo Ramos	
2018/9/26	15:36	Las Perlas Factory, San Miguel	Meeting at Las Perlas, San Miguel	MARN: 1 JET: 4 JICA Office: 0 Other: 0	Yukio Nagahama Morris Cárdenas Sergio Tsuji Marcela Lemus	Rosalba Parada Juan Perla Ligia de Benitez	
2018/9/28	10:00	MINED, San Miguel	Presentation about Educational Complex El Jocotal	MARN: 1 JET: 3 JICA Office: 0 Other: 25	Yukio Nagahama Shinichiro Tsuji Morris Cárdenas	Rosalba Parada Ricardo A. Andrade José Gerardo López Juana Isabel Rivera Glenda Esmeralda P. Norma Isabel Moreno Virginia Elizabeth M. Alba Nery Argueta Wendy Contreras R. Ana Milagro López José Saúl Sandoval José Jaime Ramos Carlos Manno Q. Carlos Guillermo Z. Reynaldo Anthony C. Carlos Wilfredo Ríos José Moisés B. Ríos Dolores Mercedes V. William Oswaldo S. R. David A. Mondragón Miguel A. Yanes Cruz Dinora C. Colato S. Patricia G. Rodas de G. Oscar Garciguire	
2018/10/4	10:15	Chaparrastique Offices	Meeting with CASSA Energy Management Group	MARN: 1 JET: 2 JICA Office: 0 Other: 3	Marcela Lemus Yukio Nagahama	Rosalba Parada José Miguel Morán Dany E. Reyes Wilfredo P.	
#####	9:00	Asociación Azucarera	PP4 Coordination Meeting with CASSA and Fundazúcar	MARN: 1 JET: 0 JICA Office: 0 Other: 6		Abelardo Ramos Ever Vásquez Vladimir Herrera Rossy Rodríguez Melissa Méndez Natalia Herrera Gricelda Díaz	
					Shinichiro Tsuji Marcela Lemus	José A. Orellana Pedro Martínez Roberto Zelaya Juan C. Avelar Pablo Avelar M. José Manuel Perlas Tito E. Amaya Héctor Chicas Pedro Quinteros Herbert Luna Luis Montano María Elena Ayala Francesco Mirino Santiago Solano Vicente G. Rosendo Turcios	



#####	8:40	Ingenio Chaparrastique	Workshop Presentation of GAP in Action Program to Producers and Farm Admins	MARN: JET: JICA Office: Others:		Norgen Molina Cristian Castro Ravid Chávez Reyes Carlos E. Membreño Ever Vásquez Oscar A. Chávez Victor E. Martínez Oscar Albino A. Florentin Lopez Victor Ramos E. Omar Benavides Anibal Aldair Tito Fernando Molina Victor Orellana Eva Mercedes Zelaya Francisco Díaz Luis G. José Mejía Julio César Rodríguez Francisco Javier José Sebastián R. José Gerardo Torres William Antonio R. Saúl Posada	
#####	9:00	Universidad de El Salvador	Biodiversity - Flora and Fauna Observation	MARN: 0 JET: 0 JICA Office: 0 Other: 17		Yenifer B. Cubias M. Mayela A. Rivas P. Ana Patricia R. Guerra Ada Ivett Rivas Oscar Bladimir Ayala Ana Cristina Martínez Manuel M. Jennifer V. Carrillo A. José Miguel A. Flores Santos Adilia A. Ramos Geraldina L. Ramirez R. Juan José Ayala Bonilla Fátima Lucía Cabrera S. Kellin V. Moreno H. Xiomara Abigail Hdez. Cindy Abigail Minero Darleny María Rosales	
#####	9:30	Governance in San Miguel	Project Formulation Training	MARN: 1 JET: 1 JICA Office: Other: 22	Morris Cárdenas	Rosalba Parada José A. B. Carlos Zauaca Marcos Zelaya Radys López Armando Rivera Enrique Méndez José Efraín Oscar Matamorros A. Benedicto Romero Ramón Arias Ner Itai Delgado Josué Alberto Barrios Manuel G. Mauricio Navas Mily Monterrosa Vidal Barahona Brizeyda Cruz José S. Rivas Victor Manuel Rivera Jorge E. Trejo Carolina Hernández	
#####	13:30	MAG El Matazano	Establishment of Agroforestry and Silvopastoral Systems Presentation to DGFCR Techniques	MARN: 0 JET: 3 JICA Office: 7	Marcela Lemus Rodolfo Rivera Sergio Tsuji	Héctor A. Díaz Mauricio Navas Durán Julio A. Suárez Mario Barrientos Giovany Y. Oliva Edgar Alberto Cruz Juan Salinas René Alfredo Peñate José Humberto Hdez. Lucía Alberto Bermúdez José Moisés Rodas Romeo A. Herrera Carlos Rodríguez Jesús Berrios Manuel Sosa Jorge López Luis Torres	
			GAP In Action Pogram		Shinichiro Tsuji Marcela Lemus	Juan A. Palomo Rosalba Parada	

#####	7:30	CASSA Offices, Santa Elena	GAP In Action Pogram Presentation to Agricultural Direction of CASSA Group	MARN: 1 JET: 3 JICA Office: Other: 5	Juan José Sánchez	Ricardo Gil Wilfredo Márquez Vladimir Herrera Melissa Méndez	
#####	10:00	CONSAA Offices	Meeting to present GAP In Action Program to CONSAA	MARN: 0 JET: 2 JICA Office: Other:	Marcela Lemus Rodolfo Alberto Rivera	Pablo Brito Edwin Mercadillo	
#####			Environmental Education Activities with MINED Teachers	MARN: 1 JET: 1 JICA Office: 0	Morris Cárdenas	Rosalba Parada Evaristo Romero Jesús Alberto Berrios Marcos Zelaya Enrique Mendoza Armando Rivera Oscar Portillo Héctor Pineda José Santana Josué Vidal Barahona William Balmoris C. Mily Monterrosa Benedicto Romero Rudys López Carolina H. Lucia Ivone Rivas Mirna Guadalupe José Parada	
#####	10	Cantón La Puerta, San Miguel	Presentation about the Protected Natural Area Las Moritas Rehabilitation	MARN: 0 JET: 1 JICA Office: 0 Other: 39	Rodolfo Rivera	Leonice Navarro Ana Vásquez Marleni Navarro José Hernández Griselda Yamileth Kenia Yazmin Martha Pérez José Méndez Juan Bonilla Alejandro Chacón Ana Ortez Verónica Herández María Méndez Leodán Ramirez José López Marisol Hernández Antonia Claros Vesley Reyes Carlos Lazos Oscar Arbrisa Jorge Alberto Selso Dionicio Ever Moisés José Méndez Carlos Méndez José Hernández Juan Chávez Jesús Chacón Felicito Ortez Yanira del Carmen Victoria Ortez Reina de la Paz María Salamanca Nahún Orlando Santiago Sánchez José Bonilla María Bonilla Guillermo Zamora Marta Gómez Alfredo Gómez	

Meeting List 2019 / Lista de reuniones en el 2019

Fecha	Hora	Lugar/ Organización	Tema	Numero de Asistentes	Asistentes		Resultado/ Actividad que se indica en PDM/PO que están más relacionadas con la reunión
Date	Time	(Place/ Organization)	(Subject)	(Number of group)	JICA	MARN Counterpart and others	Corresponding PDM activitivy
2019/1/10	11:30	San Carlos El Amate,	Fire Awarness to protect NPA Las Moritas	MARN: 4 JET: 1 JICA OFFICE: 0 OTHERS: 31	Rodolfo Rivera	Miguel López Angel Ticas Macario Rivas Committee members People fro ADESCO Others	
2019/1/11	12:00	Oficinas de MARN San Salvador-Salón Cerrón Grande	Pilot proyect advances presentación	MARN: 5 JET: 3 JICA OFFICE: 0 OTHERS: 2	Shinichiro Tsuji Marcela Lemus Rodolfo Rivera	Jaime Espinoza Georgina Mariona Tily Perdomo Yesenia Peñate Elver Parada Margarita García Abelardo Ramos	
2019/1/15	8:30	Project presentation to FUNDAZUCAR and GAP in action presentation to new staff	FUNDAZUCAR offices San Salvador	MARN: 0 JET: 2 JICA OFFICE: 0 OTHERS: 4	Shinichiro Tsuji Marcela Lemus	Guillermo Montemas Rosy Rodriguez Rafael Cedros Vladimir Herrera	
2019/1/17	11:00	Caserío San Juan Bosco, Cantón La Puerta, San Miguel	Fire Awarness to protect NPA Las Moritas	MARN: 3 JET: 1 JICA OFFICE: OTHERS: 38	Rodolfo Rivera	Leodan Ramirez Carlos Ticas Melvin García Adesco Members Committee members	
2019/2/8	8:30	Salón de usos múltiples Ingenio Chaparrastique, San Miguel	Seminar to commemorate World Wetland Day ( feb 2nd)	MARN: 10 JET: JICA OFFICE: 1 OTHERS: 61	Koji Asano Michinori Yoshino Marcela Lemus Rodolfo Rivera Silvia Fuentes Yukio Nagahama	Luis Miguel Vasquez Alex Pineda Jorge Quezada Jairo Palacios Daysi Melgar Georgina Mariona Guillermo Renderos Miguel Angel López Hugo Perez Rosalba Parada Rafael Cerron Vladimir Herrera Mauricio Klans Jesus Berrios Jorge Enrique Trejo Jual Perla Ligia de Benitez Carlos Mejia Enrique Mendoza Jose Benitez Rudys López Marcos Zelaya Satúl Guzman Lazaro Mendoza Adan Hernandez Jesus Chacón Victor Rivera José Pineda Armando Chacón Hector Pineda Oscar Matamorros Leonor Ramirez José Evaristo Romero Daniel Alas Oliva Mira Armando Rivera Misael Amaya Wilran Campos Vidal Barahona Mauricio Rivas Fredis Omar Blanco G. Alfredo Rodriguez Margarita Rodriguez Mily Monterrosa José Oswaldo Granados Melvin García Jorge Molina Arnoldo Claros Rafael Somoza Juan José Avalos Oscar Danlyd Cruz	

						Hazel Martínez José Santar Manuel Sosa Edwin Chavez	
2019/2/26	8:00	FUNDAZUCAR, San Salvador	Logistics for development of practice 1 on biological beds and begining of review of monitoring formats	MARN: 0 JET: 2 JICA OFFICE: 0 OTHERS: 3	Marcela Lemus Juan José Sanchez	Rosy Rodriguez Melissa Méndez	
2019/3/28	14:35	Oficinas de MARN El Jocotal	Support of restructure of action plan 2019 El Jocotal	MARN: 1 JET: 2 JICA OFFICE: 0 OTHERS: 6	Marcela Lemus Shinichiro Tsuji	Rosalba Parada Victor Manuel Rivera José Benitez Enrique Mendoza Santana Rivera Carlos Murillo	
2019/3/29	14:00	Oficinas de FUNDAZUCAR, San Salvador	Ecosistems valuation services for the invasion of acuatic invasive plants	MARN: 0 JET: 2 JICA OFFICE: 0 OTHERS: 2	Marcela Lemus Shinichiro Tsuji	Rosy Rodriguez Tomas Regalado	
2019/4/1	13:30	Fundazucar offices in San Salvador	KOBO questionnaire review for GAP monitoring	MARN: 0 JET: 3 JICA OFFICE: 0 OTHERS: 4	Marcela Lemus Michinori Yoshino Shinichiro Tsuji	Rafael Cerros Melissa Mendez Vladimir Herrera Guillermo Monterrosa	
2019/4/2	12:00	ADESCO GUALUCA	Second fire awarness workshop for natural protected area NPA Las Morita	MARN: 3 JET: 1 JICA OFFICE: 0 OTHERS: 24	Rodolfo Rivera	Miguel Angel López Ricardo Melvin García Community leaders and signature and committee members	
2019/4/3	14:40	ISDEM offices at San Miguel	Action Plan Re estructuracion 2019 fpr Local committee Olomega (Support meeting)	MARN: 2 JET: 1 JICA OFFICE: 0 OTHERS: 12	Marcela Lemus	Rosalba Parada Macario Rivas Hector Pineda Fredis Omar Blanco José María Pineda Edwin Guzmán Carlos Argueta Ner Delgado Vidal Barahona William Balmoris Campos Mily Monterrosa José Oswaldo Granados Juan José Avalos Claudia Cerrato	
2019/4/9	12:00	Adesco El Pital, San Miguel	Second workshop for fire awarness to protect NPA Las Moritas	MARN: 0 JET: 1 JICA OFFICE: 0 OTHERS: 23	Rodolfo Rivera	Adesco members	
2019/4/10	8:30	Gobernación, San Miguel	General Assembly Ramsar committee El Jocotal ( 3rd)	MARN: 5 JET: 4 JICA OFFICE: 0 OTHERS: 58	Marcela Lemus Koji Asano Yukio Nagahama Daniel Pablo Hernandez	José Luis Cruz Tránsito Lex José Antonio Portillo Robero Emer Portillo José María Pineda Hector Pineda Mauricio Navas Luis Rivera Octaviano Lemus Josefa Avila Candelario Hernandez Esmeralda Ochoa Ana Vilma Sofia de la O Ronulfo Vasquez Milades Hernandez Antonio Guzman Ramón Arias Carlos Murillo Juan Jose Avalos Edwin Guzmán Gisela López Zaravia Georgina Mariona José Antonio Portillo Alex Pineda Jairo Palacios Rosalba Parada Ana Raquel Conde Darwin Arias Benjamín Alas Macario Rivas Oscar Cruz Catalina Hernandez Ingrid Vasquez Laura Ulloa Ever Zelaya	

						Saul Guzman José Flores Rudys López Ivan Alberto Portillo Nilson López José Armando Cisneros Victor Manuel Rivera Oscar de Jesús Obed Lazaro Mendoza Marcos Zelaya Carlos Armando Rivera Adan Portillo	
2019/5/17	9:00	MARN, San Salvador	Presentation about Monitoring Proposal for Land Use and Invasive Species in Wetlands	MARN: 3 JET: 5 JICA OFFICE: 0 OTHERS:	Koji Asano Marcela Lemus Pablo Daniel Hernandez Rodolfo Rivera Yoshihiro Tokue	Rosalba Parada Yesenia Peñate Jaime Espinoza	
2019/5/20	9:00	MARN, San Salvador	Presentation about Proposal for Las Moritas Monitoring	MARN: 2 JET: 5 JICA OFFICE: 0 OTHERS:	Koji Asano Marcela Lemus Pablo Daniel Hernandez Rodolfo Rivera Yoshihiro Tokue	Yesenia Peñate Javier Magaña	
2019/6/3	11:00	San Salvador	Meeting to check progress about GAP in Action Program	MARN: JET: 3 JICA OFFICE: OTHERS: 4	Marcela Lemus Shinichiro Tsuji Michinori Yoshino	Vladimir Herrera Rafel Cerros Melissa Méndez Rossy Rodriguez	
2019/6/4	10:00	San Salvador	Meeting for Yesenia Peñate to Present Drone Monitoring Project to MARN and JICE	MARN: JET: 4 JICA OFFICE: OTHERS: 4	Marcela Lemus Rodolfo Rivera Keisuke Yanehashi Pablo Daniel Hernandez Kazuya Tominaga Luis Miguel Vazquez	Yesenia Peñate Jaime Espinoza Luis Menjivar	
2019/6/11	9:30	San Miguel	Meeting about Program for Well drilling and Nursery establishment	MARN: 1 JET: 4 JICA OFFICE: 0 OTHERS: 2	Marcela Lemus Rodolfo Rivera Michinori Yoshino Shinichiro Tsuji	Rosalba Parada Ligia de Benitez Juan Perla	
2019/6/18	11:00	San Salvador	Dice Game Presentation to Environmental Education Unit	MARN: 4 JET: 2 JICA OFFICE: 0 OTHERS:	Pablo Daniel Hernandez Marcela Lemus	Rosalba Parada Daisy Melgar Roxana Iglesias Blanca Alarcón	
2019/7/2	7:30	San Salvador	Presentation of the GAP program Progress	MARN: 1 JET: 2 JICA OFFICE: 0 OTHERS: 7	Koji Asano Marcela Lemus	Rosalba Parada Wilfredo P. Vladimir Herrera Rossy Rodriguez Ever A. Vázquez Rafael Cerros Melissa Méndez	
2019/7/5	10:30	San Miguel		MARN: 2 JET: 3 JICA OFFICE: 0 OTHERS: 5	Marcela Lemus Rodolfo Rivera Koji Asano	Rosalba Parada Miguel López Sergio Romero Jimmy Gómez Juan Perla Ligia de Benitez Krissy G.	
2019/7/5	9:00	El Jocotal, San Miguel	Presentation about Methodology for Quick Study Riparian Forest Species in Rio Grande de San Miguel	MARN: 2 JET: 3 JICA OFFICE: 0 OTHERS: 2	Marcela Lemus Rodolfo Rivera Koji Asano	Rosalba Parada Miguel López Herberth Mendoza Rafael Cerros	
2019/7/8	15:00	MARN, San Salvador	Meeting with new Director of Biodiversity	MARN: 3 JET: 2 JICA OFFICE: 0 OTHERS:	Koji Asano Marcela Lemus	Rosalba Parada Miguel Gallardo Georgina Mariona	
2019/7/23	15:00	San Salvador	Meeting with Tomás Regalado to Discuss about Ecosystem Services	MARN: 0 JET: 2 JICA OFFICE: 0 OTHERS: 2	Marcela Lemus Shinichiro Tsuji	Tomás Regalado Rossy Rodriguez	
2019/7/25	8:00	San Salvador	Meeting with FONAES	MARN: 1 JET: 2 JICA OFFICE: 0 OTHERS: 3	Marcela Lemus Shinichiro Tsuji	Rosalba Parada Alfredo Rodriguez Oliva Mira Marbely Morales	
2019/7/25	14:00	San Salvador	Meeting with Claudia Figueroa from Grupo CASSA	MARN: 0 JET: 2 JICA OFFICE: 0 OTHERS: 1	Marcela Lemus Rodolfo Rivera	Claudia Figueroa	
2019/7/30	10:00	San Salvador	Meeting with Fundazucar	MARN: 0 JET: 2 JICA OFFICE: 0 OTHERS: 1	Marcela Lemus Shinichiro Tsuji	Rossy Rodriguez Rafael Cerros	

2019/8/20	9:00	San Salvador	Meeting with Grupo CASSA to Discuss about Jacinto	MARN: 2 JET: 2 JICA OFFICE: 0 OTHERS: 1	Marcela Lemus Shinichiro Tsuji	Rosalba Parada Jaime Espinoza Dany Reyes	
2019/8/28	9:00	MINED, San Miguel	Environmental Education Incorporation to the Curriculum of Education in San Miguel	MARN: 0 JET: 4 JICA OFFICE: 0 OTHERS: 20	Elvert Parada Pablo Daniel Hernandez Silvia Fuentes Rodolfo Rivera	José Gerardo López Roxana de Los Angeles Daysi Reyna Flores Elsy Esmeralda Chicas Silvia Lorena Alfaro Marina de Jesús Reyes Alba Nery Argueta Osmín Díaz Romero David Alberto Amaya Carlos Manno Quintanilla José Jacobo Lara Virgita Sánchez de Vigil Yita Maribel Amaya Gloria Emperatriz Cruz Alfredo Argueta Medina Blanca Estela Navarrete Sandra Marleny Guerrero Mauricio González Oscar Garciaguirre Joaquín Antonio Sánchez	
2019/8/28	8:30	MAG, San Salvador	Meeting with DGFCR from MAG about JCC and Follow up with RECLIMA and Sembrando Vida projects	MARN: 0 JET: 2 JICA OFFICE: 0 OTHERS: 5	Marcela Lemus Koji Asano	Mario César Guerra Bernardo Romero Héctor Díaz Romero Herrera Edgar Cruz	
2019/9/5	14:00	MARN, San Salvador	Joint Coordinating Committee (JCC) Meeting	MARN: 4 JET: 5 JICA OFFICE: 3 OTHERS: 4	Koji Asano Marcela Lemus Silvia Fuentes Pablo Daniel Hernandez Yoshihiro Tokue	Fernando López Larreynaga Javier Magaña Miguel Gallardo Jaime Espinoza Kazutoshi Yamaguchi Kazuya Tominaga Luis Miguel Vasquez Marta Calderón Mario Guerra Teresa Velázquez Héctor Pineda	
2019/9/12	17:00	San Salvador	Fundazucar Meeting	MARN: 0 JET: 1 JICA OFFICE: 0 OTHERS: 5	Marcela Lemus	Rafael Cerros Johana Chávez Rosy Rodriguez	
2019/9/30	17:00	San Salvador	Meeting about CONSAA Funds Distribution for GAP in Action Beneficiaries	MARN: 0 JET: 1 JICA OFFICE: 0 OTHERS: 3	Marcela Lemus	Rafael Cerros Vladimir Herrera Rosy Rodriguez	
2019/10/1	9:00	Santa Ana	Meeting with Ramsar Local Committees	MARN: 0 JET: 1 JICA OFFICE: 0 OTHERS: 6	Elvert Parada	Ramsar Committees Reps.	
2019/10/1	9:00	San Salvador	Meeting with MITUR	MARN: 0 JET: 2 JICA OFFICE: 0 OTHERS: 6	Marcela Lemus Yukio Nagahama	Marta Calderón	
2019/10/4	10:00	San Salvador	Meeting with MINED	MARN: 0 JET: 3 JICA OFFICE: 0 OTHERS: 2	Marcela Lemus Yukio Nagahama Elvert Parada	Esperanza Elias Alex Granados	
#####	9:00	MARN, San Salvador	Meeting with Grupo CASSA to Discuss about Agreement	MARN: 2 JET: 1 JICA OFFICE: 0 OTHERS: 1	Marcela Lemus	Rosalba Parada Javier Magaña Jimmy Gómez	
#####	10:00	San Salvador	Meeting with Fundación Doménech	MARN: 1 JET: 1 JICA OFFICE: 0 OTHERS: 1	Marcela Lemus	Rosalba Parada Fernando Medina	
#####	11:00	San Salvador	Meeting with Fundazucar about Grad Ceremony	MARN: 0 JET: 1 JICA OFFICE: 0 OTHERS: 3	Marcela Lemus	Rosy Rodriguez Rafael Cerros	
#####	11:00	MARN, San Salvador	MARN and Grupo Campestre Agreement	MARN: 1 JET: 2 JICA OFFICE: 0 OTHERS: 1	Yukio Nagahama Silvia Fuentes	Fernando López Larreynaga Sergio Romero	

#####	10:00	San Miguel	Meeting with Environmental Judge	MARN: JET: 3 JICA OFFICE: 0 OTHERS:1	Marcela Lemus Yukio Nagahama Koji Asano	Eli Díaz	
#####	11:00	San Miguel	Meeting with MINED to Discuss Environmental Education fieldtrips to Curriculum	MARN: JET: 3 JICA OFFICE: 0 OTHERS: 2	Marcela Lemus Yukio Nagahama Koji Asano	Celma Fuentes Oscar Amaya	
#####	11:00	San Salvador	Meeting to Discuss ToR with FONAES	MARN: JET: 1 JICA OFFICE: 0 OTHERS: 1	Marcela Lemus	Marbely Morales	
2019/12/9	8:00	San Salvador	Meeting to present Biodiversity Monitoring report by Alicia Díaz	MARN: 5 JET: 7 JICA OFFICE: 0 OTHERS: 0	Koji Asano Yukio Nagahama Yoshihiro Tokue Marcela Lemus Alicia Díaz	Alma Barahona Jaime Espinoza Georgina Mariona Oscar Garza	
#####	9:00	San Salvador	Meeting to discuss biogas production with AquaLimpia	MARN: 1 JET: 3 JICA OFFICE: 0 OTHERS: 1	Koji Asano Yukio Nagahama Marcela Lemus	Oscar Garza Juan Hidalgo	
#####	9:00	San Salvador	Second National Ramsar Committee meeting	MARN: 6 JET: 6 JICA OFFICE: 1 OTHERS: 30	Koji Asano Yukio Nagahama Taisuke Inoue Marcela Lemus Silvia Fuentes	Fernando Lopez Jaime Espinoza Georgina Mariona Rosalba Parada	
#####	10:00	San Salvador	Meeting to present Tokue's work	MARN: 3 JET: 6 JICA OFFICE: 0 OTHERS: 0	Yoshihiro Tokue Koji Asano Yukio Nagahama Marcela Lemus Alicia Díaz	Jaime Espinoza Oscar Garza Yesenia Peñate	

Meeting List 2020 / Lista de reuniones en el 2020

Fecha	Hora	Lugar/ Organización	Tema	Numero de Asistentes	Asistentes		Resultado/ Actividad que se indica en PDM/PO que están más relacionadas con la reunión
Date	Time	(Place/ Organization)	(Subject)	(Number of group)	JICA	MARN Counterpart and others	Corresponding PDM activity
2020/3/5	10:15	San Miguel	Meeting with MINED to discuss environmental programs	MARN: 1 JET: 3 JICA OFFICE: 0 OTHERS: 4	Michiko Ebato Yukio Nagahama Marcela Lemus	Rosalba Parada Roberto Campos Teresa Velázquez Rudi Campos Lorena de Crespín Romeo Rivera Mauricio Portillo	
2020/3/4	14:00	San Salvador	Meeting with MAG to follow up silvopasture systems	MARN: 0 JET: 3 JICA OFFICE: 0 OTHERS: 3	Michiko Ebato Michinori Yoshino Marcela Lemus	Julio Olando Adriana García Lucía Gómez	
2020/3/2	14:00	San Salvador	Meeting with FONAES to follow up silvopasture systems	MARN: 0 JET: 2 JICA OFFICE: OTHERS: 1	Michiko Ebato Michinori Yoshino Marcela Lemus	Alfredo Rodríguez	
2020/3/4	9:30	San Salvador	Meeting with FUNDAZÚ CAR to follow up finalization of GAP Monitoring Manual	MARN: 0 JET: 3 JICA OFFICE: 0 OTHERS: 3	Michiko Ebato Michinori Yoshino Marcela Lemus	Rosy Rodríguez Guillermo Monterrosa Vladimir Herrera	
2020/4/17	10:00	Virtually	Meeting with Aqua Limpia to follow up biogas production using water hyacinth	MARN: 4 JET: 1 JICA OFFICE: OTHERS: 1	Marcela Lemus	Jaime Espinoza Rosalba Parada Georgina Mariona Claudia Rodríguez Juan Hidalgo	
2020/5/11	9:00	Virtually	Meeting with FUNDAZÚ CAR to follow up about technical guides and GAP Manual	MARN: 0 JET: 1 JICA OFFICE: OTHERS: 2	Marcela Lemus	Rosy Rodríguez Melissa Méndez	
2020/5/22	9:00	Virtually	Meeting with FUNDAZÚ CAR to discuss graphic line of documents and update GAP manual	JET: 1 JICA OFFICE: OTHERS: 2	Marcela Lemus	Rosy Rodríguez Melissa Méndez	
2020/6/16	9:00	Virtually	Meeting with Aqua Limpia to discuss about bio gas production.	MARN: 2 JET: 1 JICA OFFICE: 0 OTHERS: 1	Marcela Lemus	Juan Hidalgo Jaime Espinoza Claudia Rodríguez	
2020/7/3	9:30	Virtually	Present project's advances and work to the Directorate of Ecosystems and Biodiversity (DEB)	MARN: 3 JET: 3 JICA OFFICE: 0 OTHERS: 0	Marcela Lemus Silvia Fuentes Daniel Cardoza	Javier Magaña Jaime Espinoza Miguel Gallardo	
2020/7/11	10:00	Virtually	Discuss agenda and plan for environmental education webinar with University students	MARN: 1 JET: 3 JICA OFFICE: 0 OTHERS: 0	Marcela Lemus Silvia Fuentes Daniel Cardoza	Ivonne Andrade	
2020/12/10	9:30	Virtually	Meeting with CORSATUR about certification of community members for tourism	MARN: 0 JET: 1 JICA OFFICE: 0 OTHERS: 1	Daniel Cardoza	Estaban Umaña	
2020/12/15	9:00	San Salvador	Third National Ramsar Committee meeting	MARN: 7 JET: 4 JICA OFFICE: 0 OTHERS: 18	Silvia Fuentes Daniel Cardoza Leticia Andino David Castillo	Fernando López Jaime Espinoza Rosalba Parada Miguel Gallardo Yolani Romero Isidro Flores	



Meeting List 2021 / Lista de reuniones en el 2021

Fecha	Hora	Lugar/ Organización	Tema	Numero de Asistentes	Asistentes		Resultado/ Actividad que se indica en PDM/PO que están más relacionadas con la reunión
Date	Time	(Place/ Organization)	(Subject)	(Number of group)	JICA	MARN Counterpart and others	Corresponding PDM activitiv
2021/1/18	10:00	Virtual	Coordination for World Wetlands Day	MARN: JET: 3 JICA OFFICE: OTHERS:	Silvia Fuentes Alicia Díaz Leticia Andino		
2021/5/12	9:30	Círculo Militar, San Salvador	National Ramsar Committee to share experiences with ISCOS-UE	MARN: 3 JET: 4 JICA OFFICE: OTHERS: 25	Silvia Fuentes Daniel Alas Daniel Cardoza Alicia Díaz	Rosalba Parada Claudia Rodríguez Alessandro del Forno Rolando Alas Isidro Flores María Rivas José Zaldaña Sergio Reyes Enrique Mendoza	
2021/6/11	9:30	Santiago Nonualco, La Paz	National Ramsar Committee Meeting to Discuss problematics with Wetlands	MARN: 2 JET: 2 JICA OFFICE: OTHERS: 25	Daniel Alas Daniel Cardoza	Rosalba Parada Alessandro del Forno Rolando Alas Isidro Flores María Rivas José Zaldaña Sergio Reyes Enrique Mendoza	
2021/6/15	15:00	Virtual	Coordinate Water Cycle Game Delivery	MARN: 1 JET: 3 JICA OFFICE: OTHERS:	Yukio Nagahama Silvia Fuentes Daniel Cardoza	Alma Barahona	
2021/6/24	16:30	Virtual	Meeting and discussion of final project seminar	MARN: 1 JET: 5 JICA OFFICE: OTHERS:	Koji Asano Michiko Ebato Yukio Nagahama Silvia Fuentes Daniel Cardoza	Rosalba Parada	
2021/7/20	9:30	MARN, San Salvador	Meeting to coordinate works for other Ramsar wetlands	MARN: 1 JET: 2 JICA OFFICE: OTHERS:	Silvia Fuentes David Castillo	Jaime Espinoza	
2021/8/19	13:30	San Salvador	First session of final seminar	MARN: 4 JET: 6 JICA OFFICE: 0 OTHERS: 5	Koji Asano Yukio Nagahama Michinori Yoshino Silvia Fuentes Rubén Vasquez Keisuke Yanehashi	Miguel Gallardo Jaime Espinoza Camila Melissa Rodríguez	
2021/8/20	13:30	San Salvador	Second session of final seminar	MARN: 5 JET: 6 JICA OFFICE: 0 OTHERS: 5	Koji Asano Yukio Nagahama Michinori Yoshino Silvia Fuentes Rubén Vasquez Keisuke Yanehashi	Miguel Gallardo Jaime Espinoza Camila Melissa Rodríguez Rosalba Parada	
2021/8/26	14:00	MARN, San Salvador	Fifth JCC meeting	MARN: 4 JET: 8 JICA OFFICE: 3 OTHERS: 4	Koji Asano Michinori Yoshino Yukio Nagahama Keisuke Yanehashi Silvia Fuentes Daniel Pablo Rubén Vásquez David Castillo	Fernando López Miguel Gallardo Jaime Espinoza Camila Masaru Kozono Hisashi Matsui Luis Miguel Vasquez Enrique Mendoza Héctor Pineda Antonio Manuel García Julio Olano	

Field Trip List 2016 / Lista de visita de campo en el 2016

Fecha	Hora de salida, San Salvador	Lugar/ Organización	Tema	Numero de Asistentes	Asistentes		Resultado/ Actividad que se indica en PDM/PO que están más relacionadas con la reunión
Date	Time of leave, San Salvador	(Place/ Organization)	(Subject)	(Participants)	JICA	MARN Counterpart and others	Corresponding PDM activity
2016/4/7	9:00	Municipality of El Transito, Chirilagua, El Carmen, San Miguel, Jucuaran, Department of San Miguel MAG		MARN: 1 JET: 2 JICA OFFICE: 0 OTHERS: 2	Yukio Nagahama Victor Valverde	Luis Chipagua Garcia	Activity 1-2
2016/4/19	9:00	El Salvador Oriente territorio	Tour for observation of the landuse in Olomega and Jocotal wetland	MARN: 1 JET: 0 JICA OFFICE: 0 OTHERS: 13		Rosalba Alvarenga Parada Melvin Gomez Juan Jaime Jasson Ventura Wilber Munguia Andres Ferrufino Fredy Francisco Fuentes Luis E. Escobar Francisco Enriquez Reyna Dinora Diaz Evaristo Romero Elmer Misael Blanki	
2016/4/20	12:50	El Jocotal lake		MARN: 1 JET: 2 JICA OFFICE: 0 OTHERS: 4	Michiaki Hosono Rene Zuniga	Rosalba Alvarenga Parada	
2016/4/21	10:00	Olomega lake, San Miguel River upper area		MARN: 1 JET: 2 JICA OFFICE: 0 OTHERS: 0	Michiaki Hosono Rene Zuniga	Rosalba Alvarenga Parada	
2016/4/23	10:00	El Jocotal lake southern part, Rio grande, reforestation area		MARN: 1 JET: 2 JICA OFFICE: 0 OTHERS: 2	Michiaki Hosono Rene Zuniga	Rosalba Alvarenga Parada	
2016/6/6	9:00	Event of Enviromental Day by MARN		MARN: 0 JET: 3 JICA OFFICE: 0 OTHERS: 0	Yukio Nagahama Michiaki Hosono Victor Valverde		Activity 1-2
2016/6/15	10:30	Around MARN Jocotal Office		MARN: 2 JET: 2 JICA OFFICE: 0 OTHERS: 7	Naoki Yamashita Rene Zuniga	Rosalba Alvarenga Parada Luis Chipagua Garcia	
2016/6/16	9:00	Olomega Site		MARN: 1 JET: 2 JICA OFFICE: 0 OTHERS: 2	Naoki Yamashita Rene Zuniga	Rosalba Alvarenga Parada	
2016/6/16	9:00	University of El Salvador, San Miguel visit		MARN: 1 JET: 3 JICA OFFICE: 0 OTHERS: 2	Koji Asano Yukio Nagahama Victor Valverde	Georgina Mariona	Activity 1-2,3-1
2016/6/17	9:00	Olomega Site		MARN: 1 JET: 2 JICA OFFICE: 0 OTHERS: 20	Naoki Yamashita Rene Zuniga	Rosalba Alvarenga Parada	Activity 1-1
2016/6/23	11:00	Visit universities in San Miguel and La Union		MARN: 1 JET: 2 JICA OFFICE: 0 OTHERS: 20	Yukio Nagahama Ruben Vasquez	Georgina Mariona	Activity 1-2,3-1
2016/6/28	8:00	El Jocotal Lagoon Visit		MARN: 1 JET: 3 JICA OFFICE: 0 OTHERS: 0	Yukio Nagahama Koji Asano Victor Valverde Yoshihiro Tokue	Giorgina Mariona	Activity 1-2,3-1
2016/6/28	11:00	Municipality of Chirilagua, San Miguel	Discussion on the needs of municipality for wetland management	MARN: 11 JET: 3 JICA OFFICE: 0 OTHERS: 0	Shinichiro Tsuji Jose Ruben Vasquez Edgar Noel Ascencio	Rosalba Alvarenga Parada Luis Chipagua Garcia Walberto Gallegos Carlos Rivera William Balmoris Campos Jolman Geovanni Lopez Azucena del C. Guevara Olga Patricia Martinez Mauricio Zambrano Fausto Dionisio Portillo Antonio Vasquez	Activity 1-2
2016/6/28	12:30	Municipality of El Transito, Usulután	Discussion on the needs of municipality for wetland management	MARN: 9 JET: 2 JICA OFFICE: 0 OTHERS: 0	Edgar Noel Ascencio Shinichiro Tsuji Jose Angel Benitez	Rosalba Alvarenga Parada Luis Chipagua Garcia Walberto Gallegos Orangel Campos Werner Martinez Jose Guadalupe Héctor Romero Carlos Rivera	Activity 1-2
2016/6/28	15:00			MARN: 3 JET: 2 JICA OFFICE: 0 OTHERS: 5	Edgar Noel Ascencio Shinichiro Tsuji	Rosalba Alvarenga Parada Carlos Rivera Luis Chipagua Garcia Jesus Velasquez Nixon Romero Pedro Martinez Baltimore Garcia Jorge Quinteros	Activity 1-2

2016/6/29	9:00	Municipality of El Carmen, La Unión	Discussion on the needs of municipality for wetland management	MARN: 3 JET: 3 JICA OFFICE: 0 OTHERS: 5	Edgar Noel Ascencio Koji Asano Shinichiro Tsuji	Rosalba Parada Walberto Gallegos Carlos Rivera Wilfredo Hernandez Josue Vidal Flores Candelario Hernandez Francis Zelaya Carlos Osmin Diaz	
2016/6/29	11:00	Municipality of San Miguel, San Miguel	Discussion on the needs of municipality for wetland management	MARN: 3 JET: 3 JICA OFFICE: 0 OTHERS: 4	Koji Asano Shinichiro Tsuji Edgar Noel Ascencio	Rosalba Parada Walberto Gallegos Carlos Rivera Jose Ebanam Fray Arriaza Miguel Pereira Mily Monterrosa	
2016/8/22	9:00	ANP El Jocotal lake	Establishment of Ramsar Local Committee insuccion for Jocotal Lagoon	MARN: 3 JET: 2 JICA OFFICE: 0 OTHERS: 6	Flavia Cuenca Shinichiro Tsuji	Rosalba Alvarenga Parada Enrique Mendez Leonides Lopez Jose Isidres Flores Carlos Ponce Amaya Rudys Lopez Miguel Angel Lopez Sonia Rivera Ivana Isabel Villalobos	
2016/8/27	11:00	Olomega Lagoon	Meeting regarding the strategy of zonification and delimitation of the MARN-JICA project area	MARN: 0 JET: 2 JICA OFFICE: 0 OTHERS: 23	Shinichiro Tsuji Flavia Cuenca	Jose Luis Gutierrez Pedro Chicos Hernandez Jose Ramon Nelson Senteño Rojas Nora Nohemy Pineda Jose Hernandez Santiago Guzman Donadin Marin F Giovanly Cortez Luis Robles Josefa Elizabeth Avila Oscar Matamoros Alvarez Hector Pineda Saravia Miguel Machuca Carmen Diaz Reina Ramos Transito Hernandez Juan Santos Jose Andres Molina Martin Lara Erazo Jose Octaviano Lemus Juan Antonio Pineda Humberto Diaz	
2016/8/29	13:00			MARN: 3 JET: 3 JICA OFFICE: 0 OTHERS:	Shinichiro Tsuji Koji Asano Jose Ruben Vasquez	Luis Ernesto Chipagua Reynaldo Villegas Reina Margarita	
2016/8/30	9:00	Mayorality of Intipuca	Meeting for the wetland management at Intipuca	MARN: 0 JET: 2 JICA OFFICE: 0 OTHERS: 3	Shinichiro Tsuji Jose Ruben Vasquez	Enrique Mendez Fredis Omar Blanco Gallo Oscar Romeo Chavez Gallo	
2016/8/31	9:00	Aguas Calientes and San Juan lake		MARN: 1 JET: 2 JICA OFFICE: 0 OTHERS: 1	Michiaki Hosono Jose Ruben Vasquez	Rosalba Alvarenga Parada	
2016/9/1	9:00	San Juan lake		MARN: 1 JET: 2 JICA OFFICE: 0 OTHERS: 1	Michiaki Hosono Jose Ruben Vasquez	Rosalba Alvarenga Parada	
2016/9/7	5:00	Aguas Calientes	Site observation	MARN: 0 JET: 3 JICA OFFICE: 0 OTHERS: 1	Yukio Nagahama Koji Asano Jose Ruben Vasquez		
2016/9/8	5:00	Jocotal Lagoon and Jocotal Office	Site observation	MARN: 0 JET: 3 JICA OFFICE: 0 OTHERS: 1	Yukio Nagahama Koji Asano Jose Ruben Vasquez		
2016/9/15	9:00	Intipuca, Playas Negras, Jucuaran	Site observation	MARN: 2 JET: 3 JICA OFFICE: 0 OTHERS: 2	Yukio Nagahama Koji Asano Jose Ruben Vasquez	Jaime Espinoza Rosalba Alvarenga Parada	
2016/9/15	9:00	Municipality of El Transito, Intipuca, Jucuaran	Site observation	MARN: 2 JET: 3 JICA OFFICE: 0 OTHERS: 5	Yukio Nagahama Koji Asano Jose Ruben Vasquez	Jaime Espinoza Rosalba Alvarenga Parada	
2016/9/27	7:00	Local Workshop in San Miguel, Tropic Inn Hotel	Preparatory local committess	MARN: 3 JET: 5 JICA OFFICE: 2			

				OTHERS: 57			
2016/9/28	7:00	Jocotal Office Ignuration	Ignuration	MARN: 0 JET: 2 JICA OFFICE: 4 OTHERS: 0	Koji Asano Ruben Vasquez	Hayato Nakaura Communication JICA Kazutashi Yamaguchi Luis Miguel Vasquez	
2016/11/21	8:00	San Miguel	Land use (Mr. Hosono) and Hydrologic aspects of mid water basins of Rio Grande (Mr. Yamashita)	MARN: 0 JET: 3 JICA OFFICE: 0 OTHERS: 1	Naoki Yamashita Michiaki Hosono Ruben Vasquez	Juan Avalos	
2016/12/2	12:30	El Jocotal Lagoon, San Miguel	Site review for JICA Tour	MARN: 0 JET: 3 JICA OFFICE: 0 OTHERS: 2	Tamao Tada Koji Asano Ruben Vasquez	Miguel Lopez Isidro Flores	
2016/12/8	12:00	El Jocotal Lagoon, San Miguel	JICA Press Tour	MARN: 1 JET: 3 JICA OFFICE: 5 OTHERS: 2	Tamao Tada Ruben Vasquez	Luis Chipagua Garcia Miguel Lopez Isidro Flores Communication JICA Embassy of Japan	

Field Trip List 2017 / Lista de visita de campo en el 2017

Fecha	Hora	Lugar/ Organización	Tema	Numero de Asistentes	Asistentes		Resultado/ Actividad que se indica en PDM/PO que están más relacionadas con la reunión
Date	Time	(Place/ Organization)	(Subject)	(Participants)	JICA	MARN Counterpart and others	Corresponding PDM activity
2017/2/2	9:00	Cerrón Grande, San Miguel	Wetland day	MARN: 4 JET: 3 JICA OFFICE: 0 OTHERS: 10	Yukio Nagahama Esther Romero Ruben Vasquez	MARN etc.	
2017/2/14	9:00	El Borbollon	Meeting with grupo Campestre - reforestation plan - reforestation area	MARN: 1 JET: 2 JICA OFFICE: 0 OTHERS: 1	Ruben Vasquez Shinichiro Tsuji	Rosalba Alvarenga Parada Miguel Angel Lopez	3-3
2017/3/14	8:00	Hotel Tropic Inn San Miguel	Preparatory meeting with local committess and boardmembers election	MARN: 7 JET: 3 JICA OFFICE: 0 OTHERS: 53	Shinichiro Tsuji Aya Mizuno Keisuke Shimizu Rubén Vasquez Esther Romero	Rosalba Alvarenga Parada Local Committees from Olomega and Jocotal	1-1
2017/3/15	10:00	Jocotal Laundry Site	Local Experts vited the site for research	MARN: 1 JET: 4 JICA OFFICE: 0 OTHERS: 0	Shinichiro Tsuji Aya Mizuno Keisuke Shimizu Ruben Vasquez	Rosalba Parada	3-3
2017/3/16	9:30	Jocotal	Visit to planned site of compost plant	MARN: 1 JET: 2 JICA OFFICE: 0 OTHERS: 2	Shinichiro Tsuji Aya Mizuno Keisuke Shimizu Ruben Vasquez	Rosalba Parada Other members from Jocotal committee	3-Mar
2017/3/16	11:00	Calle Nueva, San Miguel	Pilot project planning	MARN: 2 JET: 4 JICA OFFICE: 0 OTHERS: 5	Shinichiro Tsuji Aya Mizuno Keisuke Shimizu Ruben Vasquez	Rosalba Alvarenga Parada	3-3
2017/3/16	14:30	Piedra Pacha, El tránsito- San Miguel	Visit to Oikos projects in Piedra Pacha	MARN: 1 JET: 3 JICA OFFICE: 0 OTHERS: 3	Shinichiro Tsuji Aya Mizuno Keisuke Shimizu Ruben Vasquez	Rosalba Parada	3-3
2017/3/16	16:00	Olomega Lagoon, San Miguel	Visit to fishery Association	MARN: 1 JET: 3 JICA OFFICE: 0 OTHERS: 3	Shinichiro Tsuji Aya Mizuno Keisuke Shimizu Ruben Vasquez	Rosalba Alvarenga Parada	3-3
2017/3/21	9:30	Centro de Gobierno San Miguel	Committee Ramsar Meeting Olomega Lagoon	MARN: 1 JET: 2 JICA OFFICE: 0 OTHERS: 9	Shinichiro Tsuji Aya Mizuno	Rosalba Alvarenga Parada Willian Balmoris Campos Héctor Pineda Saravia José María Pineda Josue Vidal Barahona Ramón Aristides Arias José Santos Mily Monterrosa Santos de Arias	1-1
2017/3/21	14:00	Municipality El Tránsito	Local committee from Jocotal Lagoon	MARN: 1 JET: 2 JICA OFFICE: 0 OTHERS: 11	Shinichiro Tsuji Aya Mizuno Edgar Ascencio Victor Henriquez	Daniel E Alas Enrique Mendoza José Oswaldo Granados Cesar Enrique Juarez Jorge Quinteros Juan Pablo Billam Rudys Lopez Sonia Rivera José Guillermo Rivera Rosalba Alvarenga Victor Manuel Rivera Ever A Rivera	1-1
2017/4/4	9:00	La Estrechura, San Miguel	Visti to Cooperativa pescaditos de oro	MARN: 1 JET: 2 JICA OFFICE: 0 OTHERS: 0	Shinichiro Tsuji Esther Romero	Isidro Flores	3-3
2017/4/4	8:00	El Tránsito	Wetland Local Committee El tránsito	MARN: 1 JET: 1 JICA OFFICE: 0 OTHERS: 11	Shinichiro Tsuji Rubén Vasquez Edgar Ascencio	Victor Manuel Rivera José Angel Benitez  Carlos Antonio Zavala Rudys López Enrique Mendoza Jorge Quinteros Ana Daysi Garay Carlos Osmin Carranza Ana Raquel Conde	1-1
2017/4/4	9:00	San Miguel , Olomegón	Visit to Olomegón and Youth Center to analyze infrastructure from both centers	MARN: 1 JET: 2 JICA OFFICE: 0 OTHERS: 0	Shinichiro Tsuji Ruben Vasquez		3-3
2017/4/5	8:00	Olomega , San Miguel	Pilot projects revision with local committee from Olomega lagoon	MARN: 1 JET: 2 JICA OFFICE: 0 OTHERS: 0	Shinichiro Tsuji Ruben Vasquez	Rosalba Alvarenga Parada	3-3
2017/4/7	8:00	Municipality of El Carmen, La Unión	Discussion on the needs of municipality for wetland management	MARN: 1 JET: 2 JICA OFFICE: 0 OTHERS: 0	Shinichiro Tsuji Ruben Vasquez	Rosalba Alvarenga Parada	3-3
2017/5/4	8:00	JIQUILISCO, Usulután	CENTA	MARN: 0 JET: 3 JICA OFFICE: 0 OTHERS: 0	Shinichiro Tsuji Edgar Ascencio Ruben Vasquez		3-3

Field Trip List 2017 / Lista de visita de campo en el 2017

Fecha	Hora	Lugar/ Organización	Tema	Numero de Asistentes	Asistentes		Resultado/ Actividad que se indica en PDM/PO que están más relacionadas con la reunión
Date	Time	(Place/ Organization)	(Subject)	(Participants)	JICA	MARN Counterpart and others	Corresponding PDM activity
2017/5/18	9:00	Jocotal , San Miguel	Follow up with wetland management	MARN: 1 JET: 2 JICA OFFICE: 0 OTHERS:	Ruben Vasquez Edgar Noel Ascencio		2-1
2017/5/18	8:00	Jocotal , San Miguel	Visit to El Jocotal Slope	MARN: 1 JET: 3 JICA OFFICE: 0 OTHERS:	Yukio Nagahama Naoki Yamashita Ruben Vasquez	Georgina	3-3
2017/5/24	9:00	El Tránsito, San Miguel	Visit to town Hall el tránsito to review the wetland management plan and new ramp visit	MARN: 1 JET: 3 JICA OFFICE: 0 OTHERS:	Yukio Nagahama Koi Asano Jose Ruben Vasquez	Rosalba Parada	2-1
2017/5/24	7:00	Jaltepeque, La Paz	Ramsar Site El Salvador and local committee creation	MARN: 1 JET: 3 JICA OFFICE: 0 OTHERS: 40	Koji Asano David Castillo Jose Ruben Vasquez	Georgina Mariona Jaltepeque Local committee	1-1
2017/5/27	6:00	Jocotal, San Miguel	Water quality Analysis	MARN: 1 JET: 2 JICA OFFICE: 0 OTHERS:	Naoki Yamashita Ruben Vasquez	Georgina Mariona	3-4
2017/7/6 2017/7/7	6:00	El Jocotal and Olomega Lagoons ( San Miguel and La Unión	Park rangers explained the areas of El Jocotal water body as well as the complex of the Jocotal Wetland Ramsar /Grupo Campestre Selected la Morita Hill for reforestation / Oikos explained their work on technical assistance to farmers	MARN: 1 JET: 6 JICA OFFICE: 0 OTHERS:	Mishinori Yoshino Shinichiro Tsuii Marcela Lemus Gracia Vieyetz Edgar Noel Ascencio Ruben Vasquez	Rosalba Alvarenga Parada	3-3
2017/7/13	6:00	Grupo CAMPESTRE , San Miguel	Visit to the Pultry plant of grupo CAMPESTRE -Water treatment plant / Reforestation project	MARN: 1 JET: 3 JICA OFFICE: 0 OTHERS: 1	Shinichiro Tsuji Gracia Vieyetz Ruben Vasquez	Rosalba Parada Marina Rivera	3-3
2017/7/18	7:00	CENTA and GRUPO CASSA nursery ( San Miguel)	Presentation of WILDLIFE to grupo CENTA/Collection of information about production capacity, species and the produce, area of the nursery and limitations for tress production	MARN: 1 JET: 5 JICA OFFICE: 0 OTHERS:	Shinichiro Tsuji Marcela Lemus Gracia Vieyetz Edgar Noel Ascencio Ruben Vasquez	Rosalba Parada	3-3
2017/8/24 2017/8/25	7:00	OIKOS Solidaridad office, Cooperativa las Brisas / Libertarias and Livestock farms in canton Olomega	Oikos: Identifying potential sites to establish Agroforestry and silvopasture systems for model farms pilot project 3	MARN: 1 JET: 4 JICA OFFICE: 0 OTHERS:	Koji Asano Marcela Lemus Paola Parada Ruben Vasquez	Rosalba Parada	3-4
2017/8/31	6:00	DGSVA office, visit livestock farm " Canaán de los Fuentes)	Presentation of MARNJICA project and GEF Project	MARN: 1 JET: 2 JICA OFFICE: 0 OTHERS: 1	Marcela Lemus Ruben Vasquez	Rosalba Parada Hector Pineda	3-4
2017/9/5 2017/9/6	7:00	Centro de Gobierno San Miguel DGSVA San Miguel Office , 3era Brigade, Livestock Association	Meeting to present pilot project 3 and 4 in order to identify existing initiatives or ongoing projects related to agroforestry and silvopasture systems and Good Agricultural Practices	MARN: 1 JET: 2 JICA OFFICE: 0 OTHERS:	Marcela Lemus Ruben Vasquez	Rosalba Parada	3-4
2017/9/20	6:00	OIKOS Solidaridad office, Cooperativa las Brisas / CENTA San Miguel	Meeting with Oikos Solidaridad to discuss TOR and work schedule for pilot Project #3 implementation	MARN: 3 JET: 3 JICA OFFICE: 0 OTHERS:	Shinichiro Tsuji Luis Aguirre Marcela Lemus		3-4
2017/10/4 2017/10/5	6:00	Cantón Calle Nueva/ cantón La Estrechura / Cantón el Zapotal / canton tierra blanca	Meeting with local members to get the point of view of Park rangers and selection of beneficiaries for pilot project	MARN: 0 JET: 3 JICA OFFICE: 0 OTHERS: 5	Marcela Lemus Luis Mario Aguirre Ruben Vasquez	Benjamin Alas Daniel E Alas Hector Pineda José Erasmo Ticas José Pineda	3-4
2017/11/7	6:00	La Estrechura and Chirilagua San Miguel	Identify potential beneficiaries for agroforestry and silvopasture model farms	MARN: 0 JET: 2 JICA OFFICE: 0 OTHERS: 5	Marcela Lemus Luis Mario Aguirre	Benjamin Alas Mauricio Vanegas Daniel E Alas Guillermo Rivera José Pineda	3-4

Field Trip List 2018 / Lista de visita de campo en el 2018

Fecha	Hora de salida, San	Lugar/ Organización	Tema	Numero de Asistentes	Asistentes		Resultado/ Actividad que se indica en PDM/PO que están más relacionadas con la reunión
Date	Time of leave, San	(Place/ Organization)	(Subject)	(Participants)	JICA	MARN Counterpart and others	Corresponding PDM activity
2018/1/5	6:00	El Jocotal, San Miguel	Meeting with local committee members joining MARN activities	MARN: 1 JET: 3 JICA OFFICE: 0 OTHERS:	Marcela Lemus Paola Parada David Castillo	Rosalba Parada	
2018/1/12	7:00	El Jocotal Office, San Miguel	Visit to el Jocotal office with Heriberto Erquicia (consultant working in the anthropological panel for the learning center)	MARN: . JET: 2 JICA OFFICE: 0 OTHERS: 1	Yukio Nagahama Gracia Vieyetz	Heriberto Erquicia	Pilot 2
2018/1/15	6:00	Cerron Grande	Visit to Cerrón Grande to discuss with mayor work plan with water jacinht	MARN: 2. JET: 1 JICA OFFICE: OTHERS:	David Castillo	Rosalba Parada Jaime Espinoza	
2018/1/17	6:00	Oikos solidaridad (San Miguel)	Meeting with Oikos Solidaridad to work in the pilot farm design of M. Edwin Chavez	MARN: JET: 3 JICA OFFICE: OTHERS:	Shinichiro Tsuji Marcela Lemus Rodolfo Rivera		Pilot 3
2018/1/19	6:30	El Jocotal Office, San Miguel	Visits with Mr. Erquicia to research about anthropological panel in el Jocotal Lagoon	MARN: JET: 1 JICA OFFICE: OTHERS: 1	Gracia Vieyetz	Heriberto Erquicia	Pilot1 y 2
2018/1/23	6:30	Las Moritas	To recognized in the ground the areas to be restored in the NPA las moritas proposed by profesor Linares	MARN: 2. JET: 4 JICA OFFICE: OTHERS:	Shinichiro Tsuji Michinori Yoshino Rodolfo Rivera Marcela Lemus	Rosalba Parada Miguel López	Pilot 3
2018/1/30	5:00	Jocotal, San Miguel	To collect samples of acuatic plants to a potential contractor, insect species that are representatives in El Jocotal for their exhibition in the education center	MARN: JET: JICA OFFICE: OTHERS:	Yukio Nagahama Marcela Lemus	Oscar Orlando Perez	
2018/2/16	5:00	Las Moritas, San Miguel	Recognize on the ground the areas to be restored in the NPA Las Moritas with PROCOMES	MARN: 2. JET: 2 JICA OFFICE: 0 OTHERS: 2	Marcela Lemus Rodolfo Rivera	Amilcar Bonilla Ticas Victor Sanchez Procomes worker	
2018/2/20	5:00	Olomega, San Miguel	Visit to plots of Olomega producers with agroforestry and silvopasture systems to see and seep up the details in the design for SWC works with OIKOS	MARN: 0 JET: 1 JICA OFFICE: 0 OTHERS: 2	Rodolfo Rivera	Daniel Alas Benjamin Alas	
2018/2/21	5:00	El Jocotal Office, San Miguel	Visit to plots of Olomega producers with agroforestry and silvopasture systems to see and seep up the details in the design for SWC works with OIKOS	MARN: 0 JET: 1 JICA OFFICE: 0 OTHERS: 2	Rodolfo Rivera	Daniel Alas Benjamin Alas	
2018/2/27	6:00	Chaparrastique mill office	Meeting with Fundazucarand technicians from Chaparrastique sugarcane mill to finalize details for GAP training starting day	MARN: 1 JET: 1 JICA OFFICE: 0 OTHERS:	Marcela Lemus	Rosalba Parada	
2018/3/1	5:00	Oikos solidaridad (San Miguel)	Visit to plots of producers for agroforestry and silvopasture of el Jocotal	MARN: JET: 1 JICA OFFICE: 0 OTHERS: 0	Rodolfo Rivera	Oikos members	
2018/3/6	6:00	Oikos solidaridad (San Miguel) SWC	Follow up to OIKOS trainings	MARN: 0 JET: 2 JICA OFFICE: 0 OTHERS: 0	Marcela Lemus Rodolfo Rivera	Oikos members	
2018/3/9	6:00	Oikos solidaridad ( San Miguel)	OIKOS trainings follow up	MARN: 0 JET: 2 JICA OFFICE: 0 OTHERS: 0	Marcela Lemus Rodolfo Rivera	Oikos members	
2018/3/13	5:00	Las Moritas , San Miguel	Visit for the revive of fire scope on RNA of reforestation project and forest fire area identificación	MARN: JET: 2 JICA OFFICE: 0 OTHERS:	Marcela Lemus Rodolfo Rivera		
2018/3/16	6:00	Jocotal Lagoon and Las	Follow up SWC works to beneficiaries	MARN:	Marcela Lemus Rodolfo Rivera		

		Moritas	Supervision of observation platform	JET: 4 JICA OFFICE: 0 OTHERS:	Paola Parada Silvia Fuentes		
2018/3/22	5:30	Oikos San Miguel, beneficiaries of Jocotal and Olomega	Follow up SWC works to beneficiaries, AFS Y SPS	MARN: JET: 1 JICA OFFICE: 0 OTHERS:	Rodolfo Rivera	Oikos members	
2018/3/22	5:00	Jocotal, San Miguel	Follow up SWC works to beneficiaries, AFS Y SPS	MARN: JET: 1 JICA OFFICE: 0 OTHERS: 3	Gracia Vieytez David Gallardo	Diego Maida Manuel Gallardo	
2018/4/23	5:00	Jocotal Lagoon, San Miguel	Follow up SWC works to beneficiaries, AFS Y SPS	MARN: JET: 1 JICA OFFICE: 0 OTHERS: 3	Gracia Vieytez	David Gallardo Diego Maida Manuel Gallardo	
2018/3/27	6:00	OIKOS San Miguel, Jocotal Lagoon	Follow up of SWC works to AFS y SPS beneficiaries in Jocotal Lagoon	MARN: JET: 2 JICA OFFICE: 0 OTHERS:	Marcela Lemus Rodolfo Rivera		
2018/4/2	16:00	Jocotal Lagoon, San Miguel	Video Making for El Jocotal Learning Center Supervision	MARN: 0 JET: 1 JICA OFFICE: 0 OTHERS: 3	Gracia Vieytez	David Gallardo Diego Maida Manuel Gallardo	
2018/4/3	5:00	Jocotal Lagoon, San Miguel	Video Making for El Jocotal Learning Center Supervision	MARN: JET: 1 JICA OFFICE: 0 OTHERS:3	Gracia Vieytez	David Gallardo Diego Maida Manuel Gallardo	
2018/4/4	5:00	Jocotal Lagoon, San Miguel	Video Making for El Jocotal Learning Center Supervision	MARN: JET: 1 JICA OFFICE: 0 OTHERS:3	Gracia Vieytez	David Gallardo Diego Maida Manuel Gallardo	
2018/4/5	5:00	Las Moritas, San Miguel	Procomes Activities for Las Moritas Reforestation	MARN: 0 JET: 2 JICA OFFICE: 0 OTHERS: 1	Shinichiro Tsuji Rofolfo Rivera	Victor Sanchez	
2018/4/5	5:00	San Miguel GRUPO CASSA	Meeting with Sugar Mill CASSA for acuathic plant regeneration	MARN: JET: 2 JICA OFFICE: 0 OTHERS:	Yukio Nagahama Marcela Lemus		
2018/4/10	5:30	San Miiguel , visit to PROCOMES , Las Moritas	Meeting with PROCOMES to follow up project advances	MARN: 1 JET: 2 JICA OFFICE: 0 OTHERS:	Shinichiro Tsuji Rodolfo Rivera	Rosalba Parada	
2018/4/10	5:30	San Miguel	Carry out of cogeneration trial	MARN: 1 JET: 3 JICA OFFICE: 0 OTHERS:1	Yukio Nagahama Shinichiro Tsuji Marcela Lemus	Saul Guzman	
2018/4/11	5:30	San Miguel	Aquatic plants extraction and transport to San Miguel	MARN: 1 JET: 3 JICA OFFICE: 0 OTHERS: 1	Yukio Nagahama Shinichiro Tsuji Marcela Lemus	Saul Guzman	
2018/4/13	6:00	Chaparrastique, San Miguel	Transporting dry aquatic plants from lavas to Chaparrastique sugarcane mill	MARN: 1 JET: 3 JICA OFFICE: 0 OTHERS: 1	Yukio Nagahama Marcela Lemus	Saul Guzman	
2018/4/16	6:00	ANP Las Moritas . San Miguel	Procomes works supervision	MARN: JET: JICA OFFICE: OTHERS:			
2018/4/17	6:00	Olomega Lagoon , San Miguel	Water quality Monitoring	MARN: 1 JET: 2 JICA OFFICE: OTHERS:	Yukio Nagahama Leticia Andino	Georgina Mariona	
2018/4/18	6:00	El Jocotal Lagoon , San Miguel	Water quality Monitoring	MARN: 1 JET: 2 JICA OFFICE: OTHERS:	Yukio Nagahama Leticia Andino	Georgina Mariona	
2018/4/19	6:00	San Miguel	SWC supervisión with OIKOS	MARN: 0 JET: 2 JICA OFFICE: 0 OTHERS: 1	Marcela Lemus Rodolfo Rivera	Daniel Alas	
2019/4/27	7:30	ANP Las Moritas / El Jocotal	Reservoir work delivery inspection in Las Moritas ( PROCOMES)	MARN: 2 JET: 1 JICA OFFICE: 0 OTHERS: 1	Rodolfo Rivera	Rosalba Parada Macario Rivas	
				MARN: 1	Marcela Lemus		



2018/6/7	5:00	Club Aguila San Miguel	Trianing with Fundazucar GAP	JET: 1 JICA OFFICE: 0 OTHERS: 10			
2018/6/7	8:30	El Jocotal, San Miguel	Local committe visit with JCC	MARN: 0 JET: 2 JICA OFFICE: 2 OTHERS:	Keizuke Yanehashi Paola Parada	Rubén Vasquez kawazuma kohei	
2018/6/8	6:00	Las Moritas, San Miguel	Reforestation plan with gualucas personal , cleaning, Etc)	MARN: 1 JET: 2 JICA OFFICE: 0 OTHERS:	Shinichiro Tsuji Rodolfo Rivera	Rosalba Parada	
2018/6/11	10:30	El Jocotal, San Miguel	Drop off of tv, dvd and tables to Jocotal, preparation for event	MARN: 1 JET: 2 JICA OFFICE: OTHERS:	Paola Parada Silvia Fuentes	Rosalba Parada	
2018/6/12	9:30	El Jocotal, San Miguel	Inauguration of learning center about Ramsar Wetlands El Jocotal	MARN: 5 JET: 7 JICA OFFICE:4 OTHERS:45	Koji Asano Shinichiro Tsuji Keizuque Yanehashi Marcela Lemus Paola Parada Silvia Fuentes Rodolfo Rivera	Viceministro Angel Ibarra Silvia de Larios Jaime Espinoza Rosalba Parada Josefina Kazuo Fujishiro Taizuque Inoue Miguel Vasquez Yamaguchi Kazutoshi Kasuyoshi Higusshi Jossé Benitez Gobernadora San Miguel Marta Calderón ( MITUR)	
2018/6/13	8:00	Las Moritas/ San Miguel	Members of JICA and JET from project made a fieldtrip for recognition	MARN: 2 JET: 4 JICA OFFICE:4 OTHERS:	Koji Asano Shinichiro Tsuji Marcela Lemus Rodolfo Rivera		
2018/6/19	6:00	Las Moritas, San Miguel	Suopervision of works	MARN: 1 JET: 1 JICA OFFICE: OTHERS:	Rodolfo Rivera	Miguel ( parkranger)	
2018/6/20	6:00	Las Moritas, San Miguel	Supervision of workers and papers for contracts, signatures	MARN: 1 JET: 1 JICA OFFICE: 0 OTHERS: 0	Rodolfo Rivera	Miguel ( parkranger)	
21/062018	5:30	Club Aguila, San Miguel	GAP training with FUNDAZUCAR/	MARN: 1 JET: 2 JICA OFFICE: 0 OTHERS: 10	Marcela Lemus Shinichiro Tsuji	Rosalba Parada	
2018/6/22	6:30	Las Moritas, San Miguel	Payment to fieldworkers at Las Moritas	MARN: JET: 4 JICA OFFICE: 0 OTHERS: 10	Shinichiro Tsuji Michinori Yoshino Rodolfo Rivera Silvia Fuentes		
2018/6/27	5:30	Olomega Lagoon, San Miguel	Water quality monitoring test	MARN: 1 JET: 2 JICA OFFICE: 0 OTHERS:	Yukio Nagahama Leticia Andino	Isidro Amilcar	
2018/6/28	5:30	Olomega, San Miguel	Oikos meeting and visit to Matias and Machuca plots.	MARN: 1 JET: 2 JICA OFFICE: 0 OTHERS:	Yoshino Rodolfo Rivera	Daniel Alas	
2018/6/29	6:00	Las Moritas, San Miguel	Visit to Las Moritas	MARN: 2 JET: 1 JICA OFFICE: 0 OTHERS:	Rodolfo Rivera		
2018/7/4	6:00	Las Moritas, San Miguel	Visit to Las Moritas with Las Perlitas	MARN: 1 JET: 4 JICA OFFICE: 0 OTHERS: 2	Yukio Nagahama Keisuke Yanehashi Marcela Lemus Rodolfo Rivera	Rosalba Parada Ligia Benitez	
2018/7/4	5:30	El Jocotal	Aquatic Plan Monitoring	MARN: 1 JET: 0 JICA OFFICE: 0 OTHERS: 2		Alicia Diaz	
2018/7/4	6:00	San Miguel	Meeting and Site Visit with Las Perlitas	MARN: 2 JET: 3 JICA OFFICE: 0 OTHERS: 2	Keisuke Yanehashi Rodolfo Rivera Yukio Nagahama	Rosalba Parada Miguel Lopez Ligia Benitez Juan Perla	
2018/7/6	5:30	Las Moritas, San Miguel	Visit to Las Moritas	MARN: 1 JET: 1 JICA OFFICE: 0 OTHERS: 1	Rodolfo Rivera	Miguel Lopez	
2018/7/10	5:30	Las Moritas, San Miguel	Visit to Las Moritas and photos taken with drone.	MARN: 1 JET: 2 JICA OFFICE: 0 OTHERS: 6	Marcela Lemus Rodolfo Rivera	Alex Martinez	
2018/7/13	7:00	Las Moritas, San Miguel	Visit to Las Moritas	MARN: 1 JET: 1 JICA OFFICE: 0 OTHERS: 2	Rodolfo Rivera	Miguel Lopez	
2018/7/23	5:30	Las Moritas, San Miguel	Visit to Las Moritas	MARN: 1 JET: 1 JICA OFFICE: 0 OTHERS: 0	Rodolfo Rivera	Elvert (GEF)	
2018/7/24	6:00	Embotelladora las Perlitas	Reforestation progress of las Perlitas	MARN: 1 JET: 1 JICA OFFICE: 0 OTHERS: 1	Rodolfo Rivera	Rosalba Parada Ligia de Benitez	
2018/7/27	7:00	El Jocotal, San Miguel	GAP Graduation Ceremony	MARN: 5 JET: 2 JICA OFFICE: 0	Shinichiro Tsuji Marcela Lemus	Rosy Rodriguez Ing. Wilfredo Parada Lic. Jaime Espinoza	

				OTHERS: 85			
2018/7/27	14:00	MINED, San Miguel	Meeting with MINED in San Miguel	MARN: 1 JET: 1 JICA OFFICE: 0 OTHERS: 2	Shinichiro Tsuji	Rosalba Parada MINED Staff	
2018/7/31	6:00	Las Moritas, San Miguel	Las Perlitas and Las Moritas Water Reservoir	MARN: 1 JET: 1 JICA OFFICE: 0 OTHERS: 2	Shinichiro Tsuji	Rosalba Parada Ligia Benitez	
2018/8/1	6:00	Fundazúcar, San Salvador	ToR Discussion Meeting with Fundazúcar	MARN: 0 JET: 2 JICA OFFICE: 0 OTHERS: 3	Shinichiro Tsuji Marcela Lemus	Rosy Rodríguez Tomás Regalado	
2018/8/15	5:30	El Jocotal, San Miguel	Confirming Biodiversity Monitoring Stations in El Jocotal	MARN: 2 JET: 1 JICA OFFICE: 0 OTHERS: 0	Alicia Díaz	Miguel Lopez	
2018/8/16	7:00	Olomega, San Miguel	Confirming Biodiversity Monitoring Stations in Olomega	MARN: 2 JET: 1 JICA OFFICE: 0 OTHERS: 0	Alicia Díaz	Miguel Lopez	
2018/8/16	5:30	El Jocotal, San Miguel	Visit to SAF Plots	MARN: 1 JET: 1 JICA OFFICE: 0 OTHERS: 0	Rodolfo Rivera	Rosalba Parada	
2018/8/17	7:00	Olomega, San Miguel	Visit to SSP Plots	MARN: 1 JET: 1 JICA OFFICE: 0 OTHERS: 0	Rodolfo Rivera	Rosalba Parada	
2018/8/21	7:00	San Salvador	UES Visit and Meeting with Las Perlitas	MARN: 1 JET: 1 JICA OFFICE: 0 OTHERS: 5	Koji Asano	Rosalba Parada Ligia Benitez	
2018/8/22	5:30	Olomega, San Miguel	Olomega Plots visit	MARN: 1 JET: 1 JICA OFFICE: 0 OTHERS:	Rodolfo Rivera		
2018/8/22	5:30	El Jocotal, San Miguel	Water Quality Monitoring	MARN: 2 JET: 1 JICA OFFICE: 0 OTHERS:	Leticia Andino	Georgina Mariona Miguel Lopez	
2018/8/23	6:30	Las Moritas	Visit to Las Moritas and OIKOS meeting	MARN: 0 JET: 1 JICA OFFICE: 0 OTHERS:	Rodolfo Rivera	Daniel Alas	
2018/8/23	5:30	Olomega, San Miguel	Water Quality Monitoring	MARN: 2 JET: 1 JICA OFFICE: 0 OTHERS:	Leticia Andino	Miguel Lopez Rosalba Parada	
2018/8/30	5:30	El Tránsito, San Miguel	Visit to Calle Nueva and José Guevara	MARN: 2 JET: 2 JICA OFFICE: 0 OTHERS:	Rodolfo Rivera Marcela Lemus		
2018/8/30	6:30	El Jocotal, San Miguel	Trip to Pilot Projects in San Miguel	MARN: 3 JET: 3 JICA OFFICE: OTHERS: 2	Marcela Lemus Rodolfo Rivera Yoshino	Miguel Lopez	
2018/8/30	5:30	San Miguel	Visiting SAF and SSP Plots and OIKOS meeting	MARN: 2 JET: 3 JICA OFFICE: OTHERS: 3	Koji Asano Yoshino Rodolfo Rivera	Miguel Lopez Rosalba Parada	
2018/9/4	7:00	Las Moritas, San Miguel	Visit to Piedra Pacha plots and Las Moritas NPA	MARN: 1 JET: 2 JICA OFFICE: OTHERS:	Yoshino Rodolfo Rivera		
2018/9/5	6:00	La Estrechura, San Miguel	Visit to La Estrechura plots in Olomega	MARN: JET: 2 JICA OFFICE: OTHERS: 1	Marcela Lemus Rodolfo Rivera	Daniel Alas	
2018/9/6	8:00	San Miguel	Visit to La Estrechura and Las Moritas	MARN: JET: 2 JICA OFFICE: OTHERS: 1	Marcela Lemus Rodolfo Rivera	Daniel Alas	
2018/9/7	8:00	Las Moritas, San Miguel	Visit to Las Moritas	MARN: JET: 2 JICA OFFICE: OTHERS: 1	Marcela Lemus Rodolfo Rivera	Daniel Alas	
2018/9/8	7:00	Olomega, San Miguel	Visit to 4 plots in Olomega and Las Moritas	MARN: JET: 3 JICA OFFICE: OTHERS: 2	Keisuke Yanehashi Yoshino Rodolfo Rivera	Daniel Alas	
2018/9/11	7:00	Olomega, San Miguel	Visit to Agroforestry and Silvopasture pilot projects in Olomega	MARN: JET: 2 JICA OFFICE: OTHERS: 1	Yoshino Rodolfo Rivera	Daniel Alas	
2018/9/11	7:00	El Jocotal, San Miguel	Visit to El Jocotal Lagoon and Education Center	MARN: JET: 2 JICA OFFICE: OTHERS: 5	Keisuke Yanehashi Morris Cárdenas		
2018/9/11	7:00	Las Moritas, San Miguel	Visit to Las Moritas	MARN: JET: 2 JICA OFFICE: OTHERS: 1	Yoshino Rodolfo Rivera		
2018/9/12	6:00	Olomega, San Miguel	Environmental Governance in Olomega Local Committee	MARN: 2 JET: JICA OFFICE: OTHERS: 6		Rosalba Parada David	

2018/9/14	7:00	Las Moritas, San Miguel	Visit to Las Moritas and Pay to Labor Men for GP	MARN: JET: 2 JICA OFFICE: OTHERS: 1	Rodolfo Rivera	Miguel Lopez	
2018/9/20	7:00	San Miguel	Drone Trial at El Jocotal and Olomega	MARN: 2 JET: 2 JICA OFFICE: OTHERS: 1	Keisuke Yanehashi Silvia Fuentes	David	
2018/9/21	5:30	ANP Las Moritas	Gualuca Personnel Payment and Visit to Las Moritas	MARN: 0 JET: 1 JICA OFFICE: OTHERS: 1	Rodolfo Rivera	Jesús Chacón	
2018/9/25	5:30	Olomega, San Miguel	Olomega Plots visit	MARN: 0 JET: 1 JICA OFFICE: OTHERS: 2	Rodolfo Rivera	Juan Machuca Matías Ramírez	
2018/9/27	5:30	Calle Nueva, San Miguel	Calle Nueva Visit	MARN: 0 JET: 1 JICA OFFICE: OTHERS: 4	Rodolfo Rivera	Daniel Alas Juan Pablo Bonilla Juan Pablo Carranza Maura de Jesús Membreño	
2018/10/1	5:30	Las Moritas, San Miguel	Gualuca Personnel Payment and Visit to Las Moritas	MARN: 0 JET: 1 JICA OFFICE: OTHERS: 1	Rodolfo Rivera	Jesús Chacón	
2018/10/2	6:30	La Estrechura, San Miguel	La Estrechura Plot Visit	MARN: 0 JET: 2 JICA OFFICE: OTHERS: 2	Rodolfo Rivera Shinichiro Tsuji	Daniel Alas Oscar Matamoros	
2018/10/3	6:30	Las Moritas, San Miguel	Photography Taking with Drone in Las Moritas	MARN: 2 JET: 2 JICA OFFICE: OTHERS: 4	Shinichiro Tsuji Rodolfo Rivera	Ligia de Benitez Karina Morales Miguel Amilcar & Ticas	
2018/10/3	6:30	Calle Nueva, San Miguel	Calle Nueva Plots Visit	MARN: 0 JET: 2 JICA OFFICE: OTHERS: 1	Shinichiro Tsuji Rodolfo Rivera	Ana Daisy Garay	
2018/10/5	6:30	Gualuca, San Miguel	Gualuca Personnel Payment and Meeting with Las Perlititas	MARN: 0 JET: 1 JICA OFFICE: OTHERS: 3	Rodolfo Rivera	Ligia de Benitez Marcela Avilés Jesús Chacón	
2018/10/12	6:30	San Miguel	Visit to Las Moritas, Calle Nueva, and La Estrechura	MARN: 0 JET: 3 JICA OFFICE: OTHERS: 2	Rodolfo Rivera Marcela Lemus Shinichiro Tsuji	Daniel Alas Ana Daisy Garay	
2018/10/17	6:30	Las Moritas, San Miguel	Visit to Las Moritas, La Estrechura y Playa Grande	MARN: 2 JET: 2 JICA OFFICE: 3 OTHERS: 9	Rodolfo Rivera Yoshino Inoue Uematsu Sasaki	Daniel Alas Ana Daisy Garay Oscar Matamoros José E. Romero García Wilfredo Parada Vicente Herrera Edgardo Sánchez Vladimir Herrera Jesús Chacón	
2018/10/19	6:30	Gualuca, San Miguel	Gualuca Personnel Training	MARN: 0 JET: 1 JICA OFFICE: 0 OTHERS: 1	Rodolfo Rivera	Jesús Chacón	
2018/10/23	6:30	Olomega, San Miguel	Visit to Olomega Plots	MARN: 0 JET: 1 JICA OFFICE: 0 OTHERS: 0	Rodolfo Rivera		
2018/10/26	6:30	Las Moritas, San Miguel	Fencing Work Supervision at Las Moritas	MARN: 0 JET: 1 JICA OFFICE: 0 OTHERS: 0	Rodolfo Rivera		
2018/10/30	6:30	Piedra Pacha, San Miguel	Piedra Pacha Plots Visit	MARN: 0 JET: 1 JICA OFFICE: 0 OTHERS: 1	Rodolfo Rivera	Daniel Alas	
2018/11/1	6:30	Las Moritas, San Miguel	Fencing Work Supervision at Las Moritas	MARN: 0 JET: 1 JICA OFFICE: 0 OTHERS: 1	Rodolfo Rivera	Jesús Chacón	
2018/11/5	6:30	San Miguel	Visit to Las Moritas and Olomega Plots	MARN: 0 JET: 3 JICA OFFICE: 0 OTHERS: 1	Rodolfo Rivera Koji Asano Yoshino	Daniel Alas	
2018/11/23	6:30	San Miguel	Visit to Las Moritas and La Estrechura	MARN: 0 JET: 2 JICA OFFICE: 0 OTHERS: 1	Rodolfo Rivera Shinichiro Tsuji	Jesús Chacón	
2018/11/27	6:30	San Miguel	Visit to Las Moritas and Calle Nueva	MARN: 2 JET: 3 JICA OFFICE: 0 OTHERS: 2	Rodolfo Rivera Shinichiro Tsuji Kazuya Tominaga	Rosalba Parada Javier Magaña Juan Perla Margarita Rodríguez	
2018/11/28	8:00	San Miguel	Visit to Las Moritas and Calle Nueva	MARN: 2 JET: 3 JICA OFFICE: 0 OTHERS: 2	Rodolfo Rivera Shinichiro Tsuji Kazuya Tominaga	Rosalba Parada Javier Magaña Juan Perla Margarita Rodríguez	
2018/12/6	6:30	Las Moritas, San Miguel	Visit to Olomega Plots and Las Moritas Sign	MARN: 1 JET: 1 JICA OFFICE: 0 OTHERS: 2	Rodolfo Rivera	Rosalba Parada Daniel Alas Leonor Ramirez	
2018/12/11	6:30	Piedra Pacha, San Miguel	Visit to Piedra Pacha plots	MARN: 1 JET: 0 JICA OFFICE: 0 OTHERS: 1	Rodolfo Rivera	Daniel Alas	

2018/12/20	6:30	Las Moritas, San Miguel	ANP Las Moritas Protection Training	MARN: 1 JET: 0 JICA OFFICE: 0 OTHERS: 1	Rodolfo Rivera	Rosalba Parada	
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Field Trip List 2019 / Lista de visita de campo en el 2019

Fecha	Hora de salida, San	Lugar/ Organización	Tema	Numero de Asistentes	Asistentes		Resultado/ Actividad que se indica en PDM/PO que están más relacionadas con la reunión
Date	Time of leave, San	(Place/ Organization)	(Subject)	(Participants)	JICA	MARN Counterpart and others	Corresponding PDM activity
2019/1/8	5:30	Visit to model plots at La Estrechura	To verify with OIKOS the work progress of the silvopasture at Edwin Chavez and Abner Pineda Plots	MARN: 0 JET: 1 JICA OFFICE: 0 OTHERS: 1	Rodolfo Rivera	Daniel Alas	
2019/1/10	7:00	Adesco San Carlos El Amate, San Miguel	Fire awarness for Las Moritas NPA protection	MARN: 4 JET: 2 JICA OFFICE: 0 OTHERS: 31	Yukio Nagahama Rodolfo Rivera	Miguel López Angel Ticas Macario Rivas Committee members People fro ADESCO Others	
2019/1/16	6:00	Chaparrastique Sugar Mill, San Miguel	Introduction of compliance officer to GAP Program members	MARN: 0 JET: 2 JICA OFFICE: 0 OTHERS: 30	Marcela Lemus Shinichiro Tsuji	Rosy Rodriguez Vladimir Rafael Cerros GAP Members	
2019/1/17	7:00	Adesco San Juan Bosco, San Miguel	Fire awarness for Las Moritas NPA protection	MARN: 2. JET: 1 JICA OFFICE: 0 OTHERS: 28	Rodolfo Rivera	Rosalba Parada Leodan Ramirez	
2019/1/21	11:00	Ciudad Arce, Zapotitan	Visit to MARN tree Nursery	MARN: 0 JET: 12 JICA OFFICE: 0 OTHERS: 0	Shinichiro Tsuji Rodolfo Rivera		
2019/1/24	6:00	ANP Las Moritas, San Miguel	Visit for Gap against fire verification	MARN: 0 JET: 1 JICA OFFICE: 0 OTHERS: 0	Rodolfo Rivera	Jesus Chacón	
2019/1/30	5:30	Olomega y La Estrechura, San Miguel	Visit for the verification of model plots	MARN:0 JET:1 JICA OFFICE: OTHERS	Rodolfo Rivera	Daniel Alas	
2019/2/14	6:00	San Miguel, Haciendas: Los Corrales, Río Grande, Pueblo Viejo, El Duende Y San Juan	Supervising GAP in Action baseline collection at San Miguel municipality	MARN: 0 JET: 2 JICA OFFICE: 0 OTHERS: 4	Marcela Lemus Rodolfo Rivera	Cristian Castro Vladimir Herrera Ovidio Córdova Rafael Cedros	
2019/2/14	6:00	NPA Las Moritas, San Miguel	Fieldtrip visit to Las Moritas for patrol works	MARN: 0 JET: 2 JICA OFFICE: 0 OTHERS: 1	Marcela Lemus Rodolfo Rivera	Jesus Chacón	
2019/2/20	6:00	El Jocotal, San Miguel	Water quality Monitoring	MARN: 3 JET: 2 JICA OFFICE: 0 OTHERS: 0	Leticia Andino Yukio Nagahama	Miguel Lopez Leodan Ramirez	
2019/3/5	6:00	Las Estrechura y Olomega, San Miguel	Fieldtrip visit to 4 plots	MARN: 1 JET: 1 OTHERS: 4	Rodolfo Rivera	Leodan Ramirez Edwin Chavez Juan Machuca Matías Ramirez Abner Pineda	
2019/3/7	5:00	Hacienda El Progreso, San Miguel	GAP in Action 1st course	MARN: 1 JET: 2 JICA OFFICE: 0 OTHERS : 15	Marcela Lemus Juan José Sanchez	José Manuel Perla Rosy Rodriguez Melissa Sanchez Vladimir Herrera Rafael Cerros Sugarcane Producers GRUPO CASSA technicians COAGRI MANAGERS	
2019/3/7	5:00	Cantón Piedra Pacha, Calle Nueva y Las Moritas- San Miguel	Plots supervision	MARN: JET: 1 JICA OFFICE: 0 OTHERS: 0	Rodolfo Rivera		
2019/3/8	6:00	NPA Las Moritas Y Chilanguera, San Miguel	Supervision of silvopasture systems and works at Las Moritas	MARN: 0 JET: 2 JICA OFFICE: 0 OTHERS: 3	Rodolfo Rivera Marcela Lemus	José Abelardo Ramos Jesús Chacón Leonardo Lemus	
2019/3/12	5:00	Laguna de Olomega y El Jocotal, San Miguel	Book handover to LC presidents	MARN: 0 JET: 1 JICA OFFICE: 0 OTHERS: 0	David Castillo	Luis Pineda Angel Benitez	
2019/3/12	5:00	Laguna de Olomega y El Jocotal, San Miguel	Drone pictures for ATLAS, platform pictures at Jocotal, table Delivery for Jocotal Education Center	MARN: 0 JET: 2 JICA OFFICE: 0 OTHERS:	Pablo Hernandez Keizuke Yanehashi		

2019/3/19	6:00	NPA Las Moritas en Chilanguera , San Miguel	Visit to supervise works at Las Moritas and Chilanguera tree nursery	MARN: 0 JET: 2 JICA OFFICE: 0 OTHERS:	Marcela Lemus Rodolfo Rivera	Jesus Chacón	
2019/3/27	6:00	San Miguel, Haciendas: Los Corrales, Rio Grande, Pueblo Viejo, El Duende Y San Juan	Confirming replication of biological beds with FUNDAZUCAR	MARN: 1 JET: 3 JICA OFFICE: 0 OTHERS: 0	Marcela Lemus Michinori Yoshino Shinichiro Tsuji	Rosalba Parada Rafael Cerros Vladimir Herrera	
28/03/209	6:00	El Jocotal, San Miguel	Revision of action plan with Local committee of El Jocotal	MARN: 3 JET: 2 JICA OFFICE: 0 OTHERS: 8	Marcela Lemus Shinichiro Tsuji	Rosalba Parada Angel Benitez Local committee members	
2019/4/2	7:00	Las Moritas, San Miguel	2nd campaing of fire awarness ADESCO GUALUCA	MARN: 1 JET: 2 JICA OFFICE: 0 OTHERS: 35	Rodolfo Rivera Keisuke Yanehashi	Miguel López Jesús Chacón ADESCO Members	
2019/4/8	6:00	Gobernación, San Miguel	3rd General Assembly of Ramsar Local Committees	MARN: 5 JET: 4 JICA OFFICE: 0 OTHERS: 58	Marcela Lemus Koji Asano Yukio Nagahama Daniel Pablo Hernandez	José Luis Cruz Tránsito Lex José Antonio Portillo Robero Emer Portillo José María Pineda Hector Pineda Mauricio Navas Luis Rivera Octaviano Lemus Josefa Avila Candelario Hernandez Esmeralda Ochoa Ana Vilma Sofía de la O Ronulfo Vasquez Milades Hernandez Antonio Guzman Ramón Arias Carlos Murillo Juan Jose Avalos Edwin Guzmán Gisela López Zaravia Georgina Mariona José Antonio Portillo Alex Pineda Jairo Palacios Rosalba Parada Ana Raquel Conde Darwin Arias Benjamin Alas Macario Rivas Oscar Cruz Catalina Hernandez Ingrid Vasquez Laura Ulloa Ever Zelaya Saul Guzman José Flores Rudys López Ivan Alberto Portillo Nilson López José Armando Cisneros Victor Manuel Rivera Oscar de Jesús Obed Lazaro Mendoza Marcos Zelaya Carlos Armando Rivera Adan Portillo	
2019/4/11	5:30	El Amate, San Miguel	Second Sensitization Activity at Las Moritas	MARN: 0 JET: 1 JICA OFFICE: 0 OTHERS: 9	Rodolfo Rivera		
2019/4/25	5:30	Miraflores, San Miguel	2nd GAP Field Course, Pest Monitoring	MARN: 1 JET: 1 JICA OFFICE: 0 OTHERS: 30	Marcela Lemus	Rosalba Parada	
2019/4/30	6:00	Chilanguera, San Miguel	Gurpo CASSA Tree Nursery	MARN: JET: 2 JICA OFFICE: 0 OTHERS: 1	Marcela Lemus Rodolfo Rivera	Tony Barrientos Velázquez	
2019/5/3	5:30	Los Llanitos, San Miguel	Second Sensitization Activity at Los Llanitos	MARN: 2 JET: 2 JICA OFFICE: 0 OTHERS:	Rodolfo Rivera Marcela Lemus	Rosalba Parada Leodán Ramírez	
2019/5/13	9:00	Parque El Bicentenario, San Salvador	Drone Flight Testing	MARN: 1 JET: 2 JICA OFFICE: 0 OTHERS:	Yoshihiro Tokue Silvia Fuentes	Yesenia Peñate	
				MARN: 5	Silvia Fuentes	Rosalba Parada	

2019/5/15	5:30	El Jocotal, San Miguel	Visit from San Salvador Universities to El Jocotal	JET: 1 JICA OFFICE: 0 OTHERS: 30		Daysi Melgar Amílcar López Isidro Flores Leodán Ramírez	
2019/5/15	5:30	San Miguel	Las Moritas and El Jocotal Drone Photo Taking	MARN: 2 JET: 2 JICA OFFICE: 0 OTHERS:	Yoshihiro Tokue Pablo Daniel Hernandez	Yesenia Peñate Leodán Ramírez	
2019/5/21	5:30	San Miguel	Visit to Chilanguera Tree Nursery and El Jocotal	MARN: 2 JET: 1 JICA OFFICE: 0 OTHERS:	Rodolfo Rivera	Yesenia Peñate Miguel López	
2019/5/23	5:30	San Miguel	GAP Monitoring, Integrated Pest Management	MARN: 3 JET: 1 JICA OFFICE: 0 OTHERS: 4	Marcela Lemus	Rosalba Parada Leodán Ramírez Isidro Flores	
2019/5/29	5:30	San Miguel	Visit to Beneficiaries from Olomega, El Jocotal and Las Moritas	MARN: 1 JET: 2 JICA OFFICE: 0 OTHERS:	Rodolfo Rivera Shinichiro Tsuji	Leodán Ramírez	
2019/6/4	7:00	MUNA, San Salvador	First Biodiversity and Conservation Symposium	MARN: JET: 4 JICA OFFICE: 0 OTHERS:	Keisuke Yanehashi Silvia Fuentes Alicia Díaz Pablo Daniel Hernandez		
2019/6/5	5:30	San Miguel	Visit to SAF and SSP Plots in El Jocotal and Olomega	MARN: JET: 4 JICA OFFICE: 0 OTHERS:	Michinori Yoshino Shinichiro Tsuji Marcela Lemus Rodolfo Rivera		
2019/6/6	10:00	San Juan Opico, La Libertad	Supervising Quality of Trees from Nursery of Mr. Vicente	MARN: JET: 1 JICA OFFICE: 0 OTHERS:	Rodolfo Rivera		
2019/6/7	6:00	San Miguel	Giving of Trees from Mr. Vicente's Nursery	MARN: JET: 3 JICA OFFICE: 0 OTHERS:	Rodolfo Rivera Keisuke Yanehashi Michinori Yoshino		
2019/6/7	7:00	San Miguel	Las Moritas Payment	MARN: JET: 1 JICA OFFICE: 0 OTHERS:	Silvia Fuentes		
2019/6/12	5:30	San Miguel	GAP in La Joya Farm	MARN: 1 JET: 4 JICA OFFICE: 0 OTHERS:	Marcela Lemus Rodolfo Rivera Keisuke Yanehashi Shinichiro Tsuji	Rosalba Parada	
2019/6/13	5:30	San Miguel	3rd GAP Training, Equipment Calibration	MARN: 1 JET: 1 JICA OFFICE: 0 OTHERS:	Marcela Lemus	Rosalba Parada	
2019/6/14	5:30	San Miguel	Visit and Payment to Las Moritas	MARN: 1 JET: 3 JICA OFFICE: 0 OTHERS: 1	Silvia Fuentes Michinori Yoshino Shinichiro Tsuji	Rosalba Parada Daniel Alas	
2019/6/19	5:30	San Miguel	Visit to El Jocotal and Las Moritas Plots	MARN: JET: 1 JICA OFFICE: 0 OTHERS: 1	Rodolfo Rivera	Daniel Alas	
2019/6/20	5:30	El Jocotal, San Miguel	Capacity Building for Biodiversity Monitoring	MARN: 3 JET: 2 JICA OFFICE: 0 OTHERS: 1	Yukio Nagahama Alicia Díaz	Miguel López Amílcar López Isidro Flores Wilfredo López	
2019/6/21	5:30	El Jocotal, San Miguel	Second Capacity Building for Biodiversity Monitoring	MARN: 3 JET: 2 JICA OFFICE: 0 OTHERS: 1	Yukio Nagahama Alicia Díaz	Miguel López Amílcar López Isidro Flores Wilfredo López	
2019/6/23	5:30	San Miguel	Visit to El Jocotal and Las Moritas Plots	MARN: 1 JET: 3 JICA OFFICE: 0 OTHERS: 4	Koji Asano Yukio Nagahama Rodolfo Rivera	Rosalba Parada	
2019/6/25	5:30	San Miguel	Teacher Guide Training	MARN: 2 JET: 1 JICA OFFICE: 0 OTHERS: 10	Yukio Nagahama	Elvert Parada Amílcar López Leodán Ramírez	PP2
2019/6/26	5:30	San Miguel	GAP Monitoring SSP and SAF in Las Moritas	MARN: JET: 1 JICA OFFICE: 0 OTHERS: 2	Rodolfo Rivera		
2019/6/26	5:30	Güija, Santa Ana	Güija Panel Instalation	MARN: 1 JET: 2 JICA OFFICE: 0	Yukio Nagahama Silvia Fuentes		

				OTHERS: 3			
2019/7/4	6:00	El Jocotal, San Miguel	Visit to El Jocotal Plots	MARN: JET: 1 JICA OFFICE: 0 OTHERS:	Rodolfo Rivera		
2019/7/5	6:00	El Jocotal, San Miguel	El Jocotal Activity with Prof. Linares	MARN: 2 JET: 2 JICA OFFICE: 0 OTHERS: 1	Koji Asano Marcela Lemus	Rosalba Parada Miguel López José Linares	
2019/7/6	5:30	San Miguel	El Jocotal and Miraflores Trip with Prof. Linares	MARN: 2 JET: 1 JICA OFFICE: 0 OTHERS: 1	Marcela Lemus	Rosalba Parada Miguel López José Linares	
2019/7/9	5:30	El Jocotal, San Miguel	Visit to El Jocotal Plots and Grass Planting Verification	MARN: JET: 1 JICA OFFICE: 0 OTHERS: 1	Rodolfo Rivera	Daniel Alas	
2019/7/9	5:30	Santa Ana	Biodiversity Monitoring Spot Verification	MARN: JET: 2 JICA OFFICE: 0 OTHERS:	Silvia Fuentes Alicia Díaz		
2019/7/10	7:00	El Jocotal, San Miguel	Dice games training for Park Rangers	MARN: 1 JET: 1 JICA OFFICE: 0 OTHERS:	Pablo Daniel Hernandez	Rosalba Parada	
2019/7/11	5:30	San Miguel	Bonsucro Farm Visit	MARN: 1 JET: 2 JICA OFFICE: 0 OTHERS:	Marcela Lemus Rodolfo Rivera	Rosalba Parada	
2019/7/11	5:30	El Jocotal, San Miguel	Swamp Birds Monitoring	MARN: 1 JET: 1 JICA OFFICE: 0 OTHERS: 1	Alicia Díaz	Leodán Ramírez Wilfredo López	
2019/7/12	5:30	Olomega, San Miguel	Visit to Olomega Plots	MARN: JET: 2 JICA OFFICE: 0 OTHERS:	Koji Asano Rodolfo Rivera		
2019/7/15	5:30	San Miguel	Visit to SAF and SSP Plots and Las Moritas	MARN: JET: 2 JICA OFFICE: 0 OTHERS:	Michinori Yoshino Rodolfo Rivera		
2019/7/16	5:30	Olomega, San Miguel	Visit to Olomega Plots	MARN: JET: 2 JICA OFFICE: 0 OTHERS:	Michinori Yoshino Rodolfo Rivera		
2019/7/17	5:30	San Miguel	MINED Workshop with teachers	MARN: JET: 2 JICA OFFICE: 0 OTHERS:	Elvert Parada Pablo Daniel Hernandez		
2019/7/24	5:30	San Miguel	Purchase of Fertilizer and Delivery to Beneficiaries	MARN: 0 JET: 1 JICA OFFICE: 0 OTHERS:	Rodolfo Rivera		
2019/7/26	5:30	El Jocotal, San Miguel	Students from El Delirio Visit to El Jocotal	MARN: 1 JET: 3 JICA OFFICE: 0 OTHERS:	Elvert Parada Pablo Daniel Hernandez Shinichiro Tsuji	Rosalba Parada	
2019/7/27	5:30	Las Moritas, San Miguel	Visit to Las Moritas with Gupo Campestre	MARN: 1 JET: 2 JICA OFFICE: 0 OTHERS: 1	Rodolfo Rivera Shinichiro Tsuji	Rosalba Parada Jimmy Gómez	
2019/7/31	5:30	El Jocotal, San Miguel	Community Guides Training	MARN: JET: 3 JICA OFFICE: 0 OTHERS:	Elvert Parada Pablo Daniel Hernandez Shinichiro Tsuji		
2019/7/31	5:30	El Jocotal, San Miguel	Clam, fish and swamp bird monitoring	MARN: 1 JET: 1 JICA OFFICE: 0 OTHERS: 1	Alicia Díaz	Leodán Ramírez Wilfredo López	
2019/8/1	5:30	San Miguel	SAF and SSP Monitoring by Drone	MARN: JET: 2 JICA OFFICE: 0 OTHERS:	Keisuke Yanehashi Rodolfo Rivera		
2019/8/4	5:30	San Miguel	GAP Monitoring at COAGRI Farms	MARN: JET: 2 JICA OFFICE: 0 OTHERS:	Marcela Lemus Rodolfo Rivera		



2019/8/8	5:30	El Jocotal, San Miguel	Monitoring Training to El Jocotal Park Rangers	MARN: JET: 1 JICA OFFICE: 0 OTHERS: 1	Alicia Díaz	Wilfredo López	
2019/8/9	6:30	Las Moritas, San Miguel	Gualuca Personnel Payment	MARN: JET: 1 JICA OFFICE: 0 OTHERS:	Rodolfo Rivera		
2019/8/14	7:00	San Miguel	Minister Visit to Las Moritas and El Jocotal Education Center	MARN: 6 JET: 4 JICA OFFICE: 0 OTHERS: 15	Marcela Lemus Silvia Fuentes Rodolfo Rivera Shinichiro Tsuji	Fernando López Larreynaga Jaime Espinoza Rosalba Parada Miguel Gallardo Ivanya Avendaño Yolani Romero Kazutoshi Yamaguchi Georgiana Braga-Orillard Juan Perla Jesús Chacón	
2019/8/15	6:30	San Miguel	SAF and SSP Visit	MARN: 1 JET: 3 JICA OFFICE: 0 OTHERS: 2	Marcela Lemus Rodolfo Rivera Shinichiro Tsuji	Rosalba Parada Daniel Alas Mr. Osawa	
2019/8/22	5:30	El Jocotal, San Miguel	Students Visit to El Jocotal	MARN: 2 JET: 1 JICA OFFICE: 0 OTHERS: 30	Silvia Fuentes	Rosalba Parada Ivon Andrade	
2019/8/23	6:30	Las Moritas, San Miguel	Payment to Gualuca Personnel in Las Moritas	MARN: JET: 1 JICA OFFICE: 0 OTHERS:	Rodolfo Rivera		
2019/8/23	6:30	San Miguel	BPA Practical Course	MARN: 1 JET: 2 JICA OFFICE: 0 OTHERS: 35	Marcela Lemus Rodolfo Rivera	Rosalba Parada Tomás Regalado Rossy Rodríguez Prof. Linares	
2019/8/28	5:30	San Miguel	MINED Teachers and Principals Workshop	MARN: JET: 2 JICA OFFICE: 0 OTHERS: 20	Elvert Parada Pablo Daniel Hernandez		
2019/9/4	5:30	San Miguel	Visit to Las Moritas, Olomega and El Jocotal Plots	MARN: 1 JET: 1 JICA OFFICE: 0 OTHERS: 1	Rodolfo Rivera	Rosalba Parada Daniel Alas	
2019/9/4	5:30	El Jocotal, San Miguel	Teacher to Teacher Fieldtrip Activity	MARN: 2 JET: 3 JICA OFFICE: 0 OTHERS: 15	Koji Asano Elvert Parada Pablo Daniel Hernandez	Rosalba Parada Daisy Melgar Esperanza Elias	
2019/9/8	10:00	El Jocotal, San Miguel	Project Site Sunday Visit	MARN: JET: 2 JICA OFFICE: 2 OTHERS:	Koji Asano Pablo Daniel Hernandez Kasuya Tominaga Hiroaki Okonogi		
2019/9/10	5:30	El Jocotal, San Miguel	Drone Photo Taking	MARN: 3 JET: 2 JICA OFFICE: 0 OTHERS:	Yukio Nagahama Yoshihiro Tokue	Rosalba Parada Yesenia Peñate Miguel López	
2019/9/24	5:30	San Miguel	Field Tour to SAF and SSP Plots	MARN: 1 JET: 2 JICA OFFICE: 0 OTHERS: 15	Marcela Lemus Rodolfo Rivera	Rosalba Parada Daniel Alas Paola Parada	
2019/9/26	5:30	Las Moritas, San Miguel	Visit to Las Moritas	MARN: JET: 1 JICA OFFICE: 0 OTHERS:	Rodolfo Rivera		
2019/9/27	6:30	San Miguel	Fifth GAP in Action Training	MARN: 1 JET: 1 JICA OFFICE: 0 OTHERS: 20	Marcela Lemus	Rosalba Parada	
2019/10/3	5:30	Las Moritas, San Miguel	Drone Photo Taking	MARN: JET: 2 JICA OFFICE: 0 OTHERS:	Yukio Nagahama Marcela Lemus		
2019/10/9	5:30	San Miguel	GAP Monitoring at Anchico and Miraflores	MARN: JET: 2 JICA OFFICE: 0 OTHERS:	Marcela Lemus Silvia Fuentes		
2019/10/11	5:30	San Miguel	Visit to Las Moritas and El Jocotal with JICA	MARN: 1 JET: 1 JICA OFFICE: 2 OTHERS: 5	Marcela Lemus Kazuya Tominaga	Rosalba Parada	
			World Day Migratory Bird	MARN: 2 JET: 4	Marcela Lemus Silvia Fuentes	Rosalba Parada Daisy Melgar	

2019/10/11	6:30	San Miguel	World Day Migratory Bird Event	JICA OFFICE: 2 OTHERS: 70	Kazuya Tominaga Leticia Andino Alicia Diaz		
2019/10/21	5:30	San Miguel	SAF and SSP Monitoring	MARN: JET: 3 JICA OFFICE: 0 OTHERS: 1	Marcela Lemus Keisuke Yanehashi Michinori Yoshino	Daniel Alas	
2019/10/22	6:30	San Miguel	Environmental Education Promotion	MARN: JET: 1 JICA OFFICE: 0 OTHERS: 20	Elvert Parada		
2019/10/22	5:30	San Miguel	SAF and SSP Monitoring in El Jocotal and Las Moritas	MARN: 1 JET: 3 JICA OFFICE: 0 OTHERS:	Keisuke Yanehashi Marcela Lemus Michinori Yoshino	Rosalba Parada	
2019/10/23	7:00	El Jocotal, San Miguel	Environmental Education Promotion	MARN: JET: 1 JICA OFFICE: 0 OTHERS: 15	Elvert Parada		
2019/10/23	5:30	San Miguel	GAP at Anchico	MARN: 1 JET: 3 JICA OFFICE: 0 OTHERS:	Keisuke Yanehashi Marcela Lemus Michinori Yoshino	Rosalba Parada	
2019/10/25	7:00	San Miguel	Payment to Gualuca Personnel in Las Moritas	MARN: JET: 1 JICA OFFICE: 0 OTHERS:	Silvia Fuentes		
2019/10/29	5:30	El Jocotal, San Miguel	Drone Photo Taking and Aquatic Vegetation Monitoring	MARN: 1 JET: 2 JICA OFFICE: 0 OTHERS:	Keisuke Yanehashi Michinori Yoshino	Yesenia Peñate	
2019/10/30	5:30	El Jocotal, San Miguel	Water Quality Monitoring	MARN: JET: 2 JICA OFFICE: 0 OTHERS:	Leticia Andino Pablo Daniel Hernandez		
2019/10/31	5:30	Olomega, San Miguel	Water Quality Monitoring	MARN: JET: 2 JICA OFFICE: 0 OTHERS:	Silvia Fuentes Leticia Andino		
2019/11/5	6:30	San Miguel	Water Forum with OIKOS	MARN: JET: 1 JICA OFFICE: 0 OTHERS:	Marcela Lemus		
2019/11/5	5:30	Las Moritas, San Miguel	Drone Photo Taking	MARN: JET: 3 JICA OFFICE: 0 OTHERS:	Keisuke Yanehashi Marcela Lemus Michinori Yoshino		
2019/11/5	9:00	Olomega, San Miguel	Fertilizer Application to Mango Trees	MARN: JET: 4 JICA OFFICE: 0 OTHERS:	Keisuke Yanehashi Marcela Lemus Leticia Andino Michinori Yoshino		
2019/11/5	5:30	El Jocotal, San Miguel	Santa Fidelia School Visit	MARN: JET: 1 JICA OFFICE: 0 OTHERS: 20	Elvert Parada		
2019/11/6	6:30	El Jocotal, San Miguel	La Estrechura School Visit	MARN: JET: 1 JICA OFFICE: 0 OTHERS:	Elvert Parada		
2019/11/8	7:00	San Miguel	Payment to Gualuca Personnel in Las Moritas	MARN: JET: 2 JICA OFFICE: 0 OTHERS:	Marcela Lemus Silvia Fuentes		
2019/11/27	7:00	San Miguel	GAP Monitoring	MARN: JET: 2 JICA OFFICE: 0 OTHERS:	Koji Asano Marcela Lemus		
2019/12/3	6:00	San Miguel	Water Quality Monitoring at El Jocotal	MARN: JET: 1 JICA OFFICE: OTHERS:	Leticia Andino		
2019/12/4	6:00	San Miguel	Water Quality Monitoring at Olomega	MARN: JET: 1 JICA OFFICE: OTHERS:	Leticia Andino		
2019/12/16	6:00	San Miguel	Sensitization activity about fire prevention	MARN: 2 JET: 3 JICA OFFICE: OTHERS:	Marcela Lemus Silvia Fuentes Daniel Cardoza Leticia Andino	Rosalba Parada Miguel López	

2019/12/19	6:00	San Miguel	Sensitization activity about bird importance in forest restoration	MARN: 2 JET: 2 JICA OFFICE: OTHERS:	Silvia Fuentes Leticia Andino	Rosalba Parada Isidro Flores	
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Field Trip List 2020 / Lista de visita de campo en el 2020

Fecha	Hora de salida, San	Lugar/ Organización	Tema	Numero de Asistentes	Asistentes		Resultado/ Actividad que se indica en PDM/PO que están más relacionadas con la reunión
Date	Time of leave, San	(Place/ Organization)	(Subject)	(Participants)	JICA	MARN Counterpart and others	Corresponding PDM activity
2020/1/7	6:00	San Miguel	Monitoring of Agroforestry Plots	MARN: JET: 2 JICA OFFICE: OTHERS:	Marcela Lemus Silvia Fuentes		
2020/1/17	6:00	San Miguel	Sensitization activity about bird importance in forest restoration	MARN: 2 JET: 3 JICA OFFICE: OTHERS:	Keisuke Yanehashi Silvia Fuentes Leticia Andino	Rosalba Parada Leodán Ramírez	
2020/1/19	6:00	San Miguel	SAF and SSP drone monitoring	MARN: JET: 2 JICA OFFICE: OTHERS: 1	Marcela Lemus Keisuke Yanehashi	Daniel Alas	
2020/1/27	6:00	San Miguel	Numbering of Mango trees at Agroforestry plots	MARN: JET: 3 JICA OFFICE: OTHERS:	Marcela Lemus Silvia Fuentes Daniel Cardoza		
2020/1/31	6:00	San Miguel	Monitoring of Las Moritas reforestation area	MARN: JET: 1 JICA OFFICE: OTHERS:	Marcela Lemus		
2020/2/3	5:30	San Miguel	Fertilizer application at SAF plots in Olomega	MARN: JET: 3 JICA OFFICE: OTHERS: 1	Marcela Lemus Silvia Fuentes Daniel Cardoza	Daniel Alas	
2020/2/6	6:00	San Miguel	Fertilizer application at SAF plots in El Jocotal	MARN: JET: 3 JICA OFFICE: OTHERS: 1	Marcela Lemus Silvia Fuentes Daniel Cardoza	Daniel Alas	
2020/2/7	6:00	San Miguel	Sensitization activity about bird importance in forest restoration	MARN: 1 JET: 4 JICA OFFICE: OTHERS:	Marcela Lemus Silvia Fuentes Daniel Cardoza Leticia Andino		
2020/2/19	6:00	San Miguel	Tour for Mrs. Ebato to visit a SAF plot, El Jocotal Education Complex	MARN: JET: 3 JICA OFFICE: OTHERS: 1	Koji Asano Michiko Ebato Marcela Lemus	Daniel Alas	
2020/2/20	6:00	San Miguel	Tour for Mrs. Ebato to visit a SAF plots in Olomega	MARN: JET: 3 JICA OFFICE: OTHERS:	Koji Asano Michiko Ebato Marcela Lemus		
2020/2/20	5:30	La Unión	World Wetland Day celebration at El Carmen, La Unión	MARN: 2 JET: 5 JICA OFFICE: OTHERS: 15	Marcela Lemus Michiko Ebato Koji Asano Daniel Cardoza Alicia Díaz	Georgina Mariona Abelardo Ramos Daniel Callejas Héctor Pineda	
2020/2/25	6:00	San Miguel	World Wetland Day celebration at El Jocotal, San Miguel	MARN: 1 JET: 5 JICA OFFICE: OTHERS: 15	Marcela Lemus Michiko Ebato Silvia Fuentes Daniel Cardoza	Rosalba Parada Henrique Mendoza Krissy Galeano Jimmy Gomez	
2020/2/27	6:00	San Miguel	Visit to SAF and SSP plots in El Jocotal	MARN: JET: 3 JICA OFFICE: OTHERS: 1	Michiko Ebato Marcela Lemus Michinori Yoshino	Daniel Alas	
2020/2/28	5:30	San Miguel	Visit to SAF and SSP plots in Olomega and visit to Las Moritas	MARN: JET: 3 JICA OFFICE: OTHERS:	Michiko Ebato Marcela Lemus Michinori Yoshino		
2020/3/3	6:00	Santa Ana	Guija Park rangers training on biodiversity monitoring	MARN: 7 JET: 1 JICA OFFICE: OTHERS:	Alicia Díaz	Park rangers	
2020/3/10	6:00	Santa Ana	Water hiacynth monitoring	MARN: 2 JET: 1 JICA OFFICE: OTHERS:	Yukio Nagahama	Yesenia Peñate Rafael Tejada	
2020/3/17	6:00	San Miguel	Monitoring of heat points to identify area affected by forest fire	MARN: 3 JET: 2 JICA OFFICE: OTHERS: 1	Yukio Nagahama Marcela Lemus	Miguel López Isidro Flores Saúl Guzmán Carlos Castillo	
2020/7/22	6:00	San Miguel	Reforestation of Gallery	MARN: 1 JET: 2	Marcela Lemus Silvia Fuentes	Oscar Evelio Nieto	

2020/7/22	6:00	San Miguel	Forest in San Miguel	JICA OFFICE: OTHERS: 20		José Mejía Bjenamin Flores	
2020/7/29	6:00	San Miguel	Reforestation of Gallery Forest in San Miguel	MARN: 1 JET: 3 JICA OFFICE: OTHERS: 20	Marcela Lemus Silvia Fuentes Daniel Cardoza	Saúl Guzmán Oscar Evelio Nieto José Mejía Isidro Flores	
2020/7/31	6:00	San Miguel	Gallery forest restoration at Moropala and visit to Las Moritas	MARN: JET: 2 JICA OFFICE: OTHERS: 3	Marcela Lemus Silvia Fuentes	Saúl Posada Jesús Chacón Jimmy Gomez	
2020/8/14	6:00	San Miguel	Biodiversity Monitoring at El Jocotal	MARN: 2 JET: 1 JICA OFFICE: OTHERS:	Alicia Diaz	Leodán Ramírez Saúl Guzmán	
2020/8/21	5:30	San Miguel	Swamp bird monitoring at Olomega	MARN: JET: 1 JICA OFFICE: OTHERS:	Alicia Diaz		
2020/8/28	6:00	San Miguel	Swamp bird monitoring at El Jocotal	MARN: 2 JET: 1 JICA OFFICE: OTHERS:	Alicia Diaz	Miguel López Saúl Guzmán	
2020/9/2	6:00	San Miguel	Swamp bird monitoring at Olomega	MARN: 1 JET: 1 JICA OFFICE: OTHERS:	Alicia Diaz	Isidro Flores	
2020/9/10	6:00	San Miguel	Biodiversity Monitoring at El Jocotal	MARN: 1 JET: 1 JICA OFFICE: OTHERS: 1	Alicia Diaz	Leodán Ramírez Wilfredo	
2020/9/11	6:00	San Miguel	SAF and SPP visits to interview beneficiaries in El Jocotal	MARN: 1 JET: 2 JICA OFFICE: OTHERS: 1	Marcela Lemus Silvia Fuentes	Rosalba Parada Daniel Alas	
2020/9/16	5:30	San Miguel	SAF and SPP visits to interview beneficiaries in Olomega	MARN: 1 JET: 2 JICA OFFICE: OTHERS: 1	Marcela Lemus Daniel Cardoza	Rosalba Parada Daniel Alas	
2020/9/17	5:30	San Miguel	Biodiversity Monitoring in Olomega	MARN: JET: 1 JICA OFFICE: OTHERS: 1	Alicia Diaz	Wilfredo	
2020/10/1	6:00	San Miguel	Training to park rangers on swamp bird monitoring	MARN: 4 JET: 1 JICA OFFICE: OTHERS:	Alicia Diaz	Amílcar López Leodán Ramírez Miguel López Saúl Guzmán	
2020/10/2	6:30	San Miguel	Training to park rangers on fish and fresh water clam monitoring	MARN: 4 JET: 2 JICA OFFICE: OTHERS:	Alicia Diaz	Amílcar López Leodán Ramírez Miguel López Saúl Guzmán Wilfredo	
2020/10/15	6:00	San Miguel	Taking of drone pictures of SAF and SSP plots	MARN: JET: 2 JICA OFFICE: OTHERS: 1	Marcela Lemus Silvia Fuentes	Daniel Alas	
2020/10/22	6:00	San Miguel	Water quality monitoring in El Jocotal	MARN: 2 JET: 2 JICA OFFICE: OTHERS:	Leticia Andino Daniel Cardoza	Miguel López Saul Guzman	
2020/10/23	5:30	San Miguel	Water quality monitoring in Olomega	MARN: 1 JET: 2 JICA OFFICE: OTHERS:	Leticia Andino Daniel Cardoza	Miguel López	
2020/10/30	6:00	San Miguel	Supervision at Las Moritas cleaning work and payment to workers	MARN: JET: 2 JICA OFFICE: OTHERS: 1	Marcela Lemus Silvia Fuentes	Salomón	
2020/11/23	6:00	San Miguel	Training to park ranger on the maintenance of the platform and planification of sensitization activities	MARN: 5 JET: 3 JICA OFFICE: OTHERS:	Marcela Lemus Silvia Fuentes Daniel Cardoza	Rosalba Parada Amílcar López Miguel López Leodán Ramírez Isidro Flores	
2020/12/16	6:00	San Miguel	Training to community on fire prevention at El Delirio	MARN: 3 JET: 2 JICA OFFICE: OTHERS: 15	Silvia Fuentes Daniel Cardoza	Rosalba Parada Isidro Flores Amílcar López	
2020/12/17	6:00	San Miguel	Training to community on fire prevention at El Jobo	MARN: 3 JET: 2 JICA OFFICE: OTHERS: 15	Silvia Fuentes Daniel Cardoza	Rosalba Parada Isidro Flores Amílcar López	

Field Trip List 2021 / Lista de visita de campo en el 2021

Fecha	Hora de salida, San	Lugar/ Organización	Tema	Numero de Asistentes	Asistentes		Resultado/ Actividad que se indica en PDM/PO que están más relacionadas con la reunión
Date	Time of leave, San	(Place/ Organization)	(Subject)	(Participants)	JICA	MARN Counterpart and others	Corresponding PDM activity
2021/2/26	6:00	Las Moritas	Evaluation of area for restoration in Loma Pacha	MARN: 1 JET: 1 JICA OFFICE: OTHERS: 4	Daniel Cardoza	Rosalba Parada Jimmy Gómez Osiris Jiménez Kelvin Gómez	
2021/3/4	5:30	Güija Lake	Water Quality Monitoring	MARN: 2 JET: 2 JICA OFFICE: OTHERS: 4	Leticia Andino Daniel Cardoza		
2021/4/13	6:00	El Jocotal Ramsar Education Complex	Training to New Boards of Directors of El Jocotal Ramsar Committee	MARN: 3 JET: 3 JICA OFFICE: OTHERS: 10	Silvia Fuentes Daniel Cardoza David Castillo	Rosalba Parada Enrique Mendoza Isidro Flores Carlos Zavala	
2021/4/15	6:00	Gobernación, San Miguel	Training to New Boards of Directors of Olomega Ramsar Committee	MARN: 3 JET: 3 JICA OFFICE: OTHERS: 10	Silvia Fuentes Daniel Cardoza David Castillo	Rosalba Parada Héctor Pineda Isidro Flores Esmeralda Ochoa	
2021/4/23	5:30	El Jocotal Lagoon	Water Quality Monitoring	MARN: 2 JET: 2 JICA OFFICE: OTHERS:	Leticia Andino Daniel Cardoza	Miguel López Saúl Guzmán	
2021/4/27	5:30	Olomega Lagoon	Water Quality Monitoring	MARN: 1 JET: 2 JICA OFFICE: OTHERS:	Leticia Andino Daniel Cardoza	Leodán	
2021/4/29	5:30	El Jocotal Ramsar Education Complex	Community Guides Training El Jotocal	MARN: 1 JET: 3 JICA OFFICE: OTHERS: 5	Alicia Díaz Leticia Andino Daniel Cardoza	Miguel López Ever Sánchez Emely Hernández Kevin López	
2021/5/5	5:00	ADESCOMAR, San Miguel	Community Guides Training Olomega	MARN: 0 JET: 3 JICA OFFICE: OTHERS: 10	Alicia Díaz Leticia Andino Daniel Cardoza	Esmeralda Ochoa Roberto Rivas Roxana Molina Edwin Guzmán	
2021/5/20	5:30	El Jocotal Lagoon	Biodiversity Monitoring	MARN: 1 JET: 1 JICA OFFICE: OTHERS:	Alicia Díaz	Saúl Guzmán	
2021/5/21	6:30	El Jocotal Lagoon	Biodiversity Monitoring	MARN: 1 JET: 1 JICA OFFICE: OTHERS:	Alicia Díaz	Leodán	
2021/5/27	5:30	Olomega Lagoon	Biodiversity Monitoring	MARN: 1 JET: 1 JICA OFFICE: OTHERS:	Alicia Díaz	Saúl Guzmán	
2021/6/8	6:00	Las Moritas	Drone Monitoring	MARN: JET: 2 JICA OFFICE: OTHERS: 1	Daniel Cardoza Daniel Alas	Jesús Chacón	
2021/6/22	6:00	Gualuca 1, San Miguel	GAP and Gallery Forest Restoration in Gualuca 1	MARN: 2 JET: 1 JICA OFFICE: OTHERS: 15	Daniel Cardoza	Amilcar López Isidro Flores Jesús Chacón	
2021/6/25	6:00	Gualuca 2, San Miguel	GAP and Gallery Forest Restoration in Gualuca 2	MARN: 3 JET: 1 JICA OFFICE: OTHERS: 17	Daniel Cardoza	Amilcar López Erasmó Ticas Miguel López Raúl Álvarez	
2021/6/29	6:00	El Herido, San Miguel	GAP and Gallery Forest Restoration Workshop in El Herido	MARN: 1 JET: 1 JICA OFFICE: OTHERS: 25	Daniel Cardoza	Amilcar López	
2021/6/30	6:00	El Brazo, San Miguel	GAP and Gallery Forest Restoration Workshop in El Brazo	MARN: 2 JET: 1 JICA OFFICE: OTHERS: 18	Daniel Cardoza	Amilcar López Isidro Flores	
2021/7/2	6:00	Casa Mota, San Miguel	GAP and Gallery Forest Restoration Workshop in Casa Mota	MARN: 1 JET: 1 JICA OFFICE: OTHERS: 10	Daniel Cardoza	Saúl Guzmán	
2021/7/5	6:00	El Pital, San Miguel	GAP and Gallery Forest Restoration Workshop in El Pital	MARN: 2 JET: 1 JICA OFFICE: OTHERS: 15	Daniel Cardoza	Amilcar López Saúl Guzmán	
				MARN: 2	Silvia Fuentes	Miguel López	

2021/7/13	5:30	El Jocotal, San Miguel	Water Quality Monitoring	JET: 2 JICA OFFICE: OTHERS:	Leticia Andino	Saúl Guzmán	
2021/7/14	5:30	Olomega, San Miguel	Water Quality Monitoring	MARN: 1 JET: 2 JICA OFFICE: OTHERS: 1	Silvia Fuentes Leticia Andino	Isidro Flores Marina	
2021/7/23	6:00	El Amate, San Miguel	GAP and Gallery Forest restoration workshop in San Carlos El Amate	MARN: 3 JET: 1 JICA OFFICE: OTHERS: 15	Daniel Cardoza	Amílcar López Isidro Flores Saúl Guzmán	
2021/7/30	5:30	Metapán, Santa Ana	Legalization of Ramsar Local Committee for Güija	MARN: 1 JET: 2 JICA OFFICE: OTHERS: 10	Silvia Fuentes David Castillo	Idalma Aldana	
2021/8/10	5:30	Metapán, Santa Ana	Training to Güija Local Committee, water quality monitoring in Güija	MARN: 2 JET: 3 JICA OFFICE: OTHERS: 5	Silvia Fuentes Daniel Cardoza Silvia Fuentes	Idalma Aldana Alex	
2021/8/13	6:00	Las Gemelas, San Miguel	GAP and Gallery Forest restoration workshop in Las Gemelas	MARN: 2 JET: 1 JICA OFFICE: OTHERS: 25	Daniel Cardoza	Amílcar López Isidro Flores	
2021/8/18	6:00	Cerrón Grande	Legalization of Ramsar Local Committee for Cerrón Grande	MARN: 1 JET: 1 JICA OFFICE: OTHERS: 10	David Castillo	Claudia Rodríguez	

## **ANNEX 3: PDM**



## Project Design Matrix

Version 0

**Project Title:** The Project for Integrated Wetland Management in Olomega and El Jocotal Lagoons

**Implementing Agency:** Ministry of Environment and Natural Resources (MARN)

**Target Group:** 1) Direct beneficiaries: Wetland Unit and other sections of MARN relevant to wetland management, the municipalities and communities in the pilot sites of Olomega and El Jocotal Lagoons; 2) Indirect beneficiaries: people who are not directly involved in the project activities in the area of Olomega and El Jocotal Lagoons, Jiquilisco Bay Complex and those of other Ramsar sites in El Salvador

**Period of Project:** xxx. 2016- xxx. 2021 (5 years)

**Project Site:** Olomega Lagoon and the Natural Protected Area of El Jocotal Lagoon

Dated 28 July 2015

Narrative Summary	Objectively Verifiable Indicators	Means of Verification	Important Assumption	Achievement	Remarks
<p><b>Overall Goal</b></p> <p>The model approach<sup>1</sup> developed based on experiences at Olomega and El Jocotal Lagoons is actually applied in practice in El Salvador.</p>	<p>The model approach is used in at least one (1) additional Ramsar Site in El Salvador.</p>	<p>Information on the management of the Ramsar wetlands in El Salvador (e.g.a management plan).</p>			
<p><b>Project Purpose</b></p> <p>An institutional framework to ensure integrated management of Olomega and El Jocotal Lagoons is developed, as a model approach, to promote conservation and wise use of wetlands in El Salvador.</p>	<p>1.The approaches and strategies practiced in Olomega and El Jocotal Lagoons are officially recognized by the Wetland Unit of MARN as a practical model for integrated wetland management in El Salvador.</p> <p>2.Experience and lessons learned in the Project are reflected at the policy level (e.g. policies and strategies related to wetland).</p>	<p>1-1a. Minutes of Meetings (MM) of the Wetland Unit (i.e. any documents reporting about the model approach of the Project).</p> <p>1-1b. Operational Guidelines for Wetland Committees<sup>2</sup> and Wetland Management Planning Guidelines<sup>3</sup> approved by MARN</p> <p>2. Policy papers/documents addressing the model approach of integrated wetland conservation.</p>	<p>Large-scale disaster does not occur.</p> <p>Related Policies do not change.</p>		
<p><b>Outputs</b></p> <p>1.An institutionally cross-cutting wetland management mechanism with the Wetland Unit of the Ministry of Environment and Natural Resources as the central coordination body is strengthened.</p>	<p>1-1. The Wetland Committee organize a meeting at least once a year at the national level and once in 6 months at the local level.</p>	<p>1-1a. Minutes of Meetings (MM) of the Wetland Committees at national and local levels</p>	<p>Large-scale disaster does not occur.</p> <p>Concerned</p>		

<sup>1</sup> The “model approach” refers to a mechanism of which important stakeholders are coordinated under an interagency management body such as a wetland committee and adaptive management\* is operated based on adequate data (e.g. natural resources and socio-economic data).


\* Adaptive management refers to a management system through “learning-by-doing” based on monitoring data to systematically refine collective management decisions.

<sup>2</sup> Operational Guidelines for Wetland Committees: The guidelines are to support the operation of the committee at national and local levels. The detailed contents shall be finalized through the discussion between the counterparts and JICA expert team.

<sup>3</sup> Wetland Management Planning Guidelines: The guidelines explain how to prepare a wetland management plan including the process of zoning. The detailed contents shall be finalized through the discussion between the counterparts and JICA expert team.

<p>2. Wetland Management Plans<sup>4</sup> including zoning with the local communities around Olomega and El Jocotal Lagoons are developed.</p> <p>3. Pilot activities based on the characteristics of Olomega and El Jocotal Lagoons are implemented as partial implementation of the management plans.</p>	<p>1-2. The National Wetland Committee discusses the data, management plans and monitoring of the wetlands, and etc. to make collective adaptive management decision.</p> <p>1-3. The Local Wetland Committees gather and analyse information and solicit necessary support to the National Wetland Committee.</p> <p>1-4. Data required to update Ramsar Information Sheet (RIS) is accumulated at Wetland Unit.</p> <p>2. The Wetland Management Plans are approved by MARN.</p> <p>3-1. The financial profits are generated by the pilot activities.</p> <p>3-2. The pilot activity is replicated at least in one (1) site in the project area other than pilot site.</p> <p>3-3. Awareness among the 50% of the community members participating in the pilot activities towards wetland conservation is improved.</p> <p>3-4. The selected drivers causing the</p>	<p>1-1b. Annual report of the Wetland Unit and MARN.</p> <p>1-1c. Newsletter of MARN</p> <p>1-1d. Operational Guidelines for the Wetland Committee</p> <p>1-2. Minutes of Meetings (MM) of the National Wetland Committee</p> <p>1-3. Minutes of Meetings (MM) of the Local Wetland Committee</p> <p>1-4. Data records created at Wetland Unit</p> <p>2-1. Minutes of Meetings (MM) of the Wetland Committees at national and local levels</p> <p>2-2. Approval document issued by Wetland Unit/ MARN</p> <p>2-3. Approved Management Plans uploaded on the MARN site</p> <p>2-4. Wetland Management Planning Guideline</p> <p>3-1. Financial Records of the groups participating in the pilot activities</p> <p>3-2a. Monitoring reports</p> <p>3-2b. Number of guidelines circulated</p> <p>3-3a. Number of community workshops on pilot activities held and the number of participants</p> <p>3-3b. Interview survey</p> <p>3-3c. Questionnaire survey</p> <p>3-4. Types of pilot projects</p>	<p>Ministries and other stakeholders take part in the Wetland Committees.</p>		
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<sup>4</sup> Wetland Management Plan: The Wetland Management Plan including zoning indicates appropriate management activities to address the drivers of the wetland degradation and other relevant subjects. The detailed contents shall be finalized through the discussion between the counterparts and JICA expert team.

<p>4. Networking is enhanced with stakeholders concerning other wetlands in and outside of El Salvador through dissemination of knowledge and experience gained in the Project.</p>	<p>degradation of wetlands are addressed.</p> <p>4-1 At least 3 types of PR materials are developed.</p> <p>4-2 1,000 copies of the PR materials are circulated among the stakeholders in and outside of El Salvador.</p> <p>4-3 More than two (2) international events are organized.</p> <p>4-4 The Project staff participates in more than two (2) international events.</p>	<p>and pilot sites</p> <p>4-1. The number of types of PR materials developed</p> <p>4-2. Number of copies circulated</p> <p>4-3a. Project monitoring reports</p> <p>4-3b. Proceedings of the events</p> <p>4-3c. Number of participants to the events</p> <p>4-4a. Number of participants to the events</p>			
<p><b>Activities</b></p> <p>1-1. Establish Wetland Committees at national and local levels and facilitate the operation of the committees.</p> <p>1-2. Collect the basic data on environment (e.g. water quality, water level, flood, biodiversity, etc.) and socio-economy (e.g. population trend, development plans) and analyse them.</p> <p>1-3. Report the results of the analyses to the national and local Wetland Committees to be used for making the management decisions in their regular meetings (e.g. management planning and monitoring).</p> <p>1-4. Establish monitoring system for regular updates of the data</p> <p>1-5. Provide data to Wetland Unit to update Ramsar Information Sheet (RIS)</p> <p>1-6. Develop an Operational Guideline for Wetland Committees at national and local levels</p> <hr/> <p>2-1. Prepare wetland management plans including zoning along with a long-list of potential pilot activities in a participatory manner using the results of the analyses.</p> <p>2-2. Submit the wetland management plans for the approval of MARN through Wetland Unit.</p> <p>2-3. Share the plans with local stakeholders to raise awareness.</p> <p>2-4. Develop a Wetland Management Planning Guideline that can be applied in other Ramsar sites in El Salvador.</p> <hr/> <p>3-1. Develop criteria and procedures for selecting the pilot activities.</p> <p>3-2. Prepare a short-list of pilot activities from the long-list</p>	<p style="text-align: center;"><b>Inputs</b></p> <p><b>The Japanese Side</b></p> <ul style="list-style-type: none"> <li>• Chief advisor (wetland ecosystem)</li> <li>• Community Organization/ Livelihood Development</li> <li>• Land Use Planning</li> <li>• Environmental Education</li> <li>• Hydrologist</li> <li>• Short Term Experts as required</li> </ul> <ul style="list-style-type: none"> <li>• Trainings in Japan</li> <li>• Partial cost for the activities</li> <li>• Partial cost for necessary equipments</li> </ul>	<p><b>The Salvadoran Side</b></p> <ul style="list-style-type: none"> <li>• Project director</li> <li>• Project manager</li> <li>• A counterpart for each JICA Expert</li> <li>• Administrative staff</li> <li>• Office space for JICA Experts (with necessary furniture)</li> </ul> <ul style="list-style-type: none"> <li>• Necessary arrangements to acquire necessary data requested by JICA Experts</li> <li>• Partial cost for the activities</li> <li>• Partial cost for necessary equipment</li> </ul>	<p><b>Important Assumption</b></p>		
			<p><b>Pre-Conditions</b></p> <p style="text-align: center;"></p>		
			<p><b>&lt;Issues and countermeasures&gt;</b></p>		

<p>with reference to 3-1 and in a participatory manner.</p> <p>3-3. Select the pilot activities<sup>5</sup> out of the short list and prepare an action plan with proper budget.</p> <p>3-4. Implement and monitor the pilot activities</p> <p>3-5. Develop implementation guidelines<sup>6</sup> based on the pilot activities</p> <p>3-6. Conduct workshops to share experiences of participating in pilot activities for the non-participating community members</p>			
<p>4-1. Prepare PR materials using outputs such as the wetland management plan and pilot activities and conduct various PR activities.</p> <p>4-2. Organize site visits by inviting stakeholders of other Ramsar sites in El Salvador.</p> <p>4-3. Organize/ participate in international events with stakeholders of other projects and countries particularly within the Central American Region in collaboration with the Ramsar Secretariat and CCAD.</p>			

<sup>5</sup> Prospective pilot activities are related to wetland management (e.g. preparation of field guide and awareness raising) and livelihood activities (e.g. compost making, small-scale fish culture, eco-tourism) that contribute to the conservation of the wetlands.

<sup>6</sup> Implementation Guidelines based on the pilot activities explain the process of implementation of the small scale activities that would contribute to the wise use of wetlands. The contents should include the objective of the activities, costs, methods of implementation, specification of the structures, if applicable and etc. The guidelines should help the readers to undertake the similar activities based on the document.

**Project Title:** The Project for Integrated Wetland Management in Olomega and El Jocotal Lagoons

**Implementing Agency:** Ministry of Environment and Natural Resources (MARN)

**Target Group:** 1) Direct beneficiaries: Wetland Unit and other sections of MARN relevant to wetland management, the municipalities and communities in the pilot sites of Olomega and El Jocotal Lagoons; 2) Indirect beneficiaries: people who are not directly involved in the project activities in the area of Olomega and El Jocotal Lagoons, Jiquilisco Bay Complex and those of other Ramsar sites in El Salvador

**Period of Project:** March 14, 2016 – September 13, 2021 (five(5) years and six(6) months)

**Project Site:** Olomega Lagoon and the Natural Protected Area of El Jocotal Lagoon

Dated on 24 February 2021

Narrative Summary	Objectively Verifiable Indicators	Means of Verification	Important Assumption	Achievement	Remarks
<p><b>Overall Goal</b></p> <p>The model approach<sup>1</sup> developed based on experiences at Olomega and El Jocotal Lagoons is actually applied in practice in El Salvador.</p>	<p>The model approach is used in at least one (1) additional Ramsar Site other than the project site in El Salvador.</p>	<p>Information on the management of the Ramsar wetlands in El Salvador (e.g., management plan).</p>			
<p><b>Project Purpose</b></p> <p>An institutional framework to ensure integrated management of Olomega and El Jocotal Lagoons is developed, as a model approach, to promote conservation and wise use of wetlands in El Salvador.</p>	<p>1. The approaches and strategies practiced in Olomega and El Jocotal Lagoons are officially recognized by MARN as a practical model for integrated wetland management in El Salvador.</p> <p>2. Experience and lessons learned in the Project are reflected at the legal documents and policy papers (e.g., presidential decree, ministerial decree, resolution, etc.).</p>	<p>1-1a. Minutes of Meetings (MM) of the national committee and MARN (i.e., any documents reporting about the model approach of the Project).</p> <p>1-1b. Operational Guidelines for Wetland Committees<sup>2</sup> and Wetland Management Planning Guidelines<sup>3</sup> approved by MARN</p> <p>2. Legal documents and policy papers (e.g., presidential decree, ministerial decree, resolution, etc.) addressing the model approach of integrated wetland conservation.</p>	<p>Large-scale disaster does not occur.</p> <p>Related Policies do not change.</p>		
<p><b>Outputs</b></p>			<p>Large-scale</p>		

<sup>1</sup> The “model approach” refers to a mechanism of which important stakeholders are coordinated under an interagency management body such as a wetland committee and adaptive management\* is operated based on adequate data (e.g. natural resources and socio-economic data).


\* Adaptive management refers to a management system through “learning-by-doing” based on monitoring data to systematically refine collective management decisions.

<sup>2</sup> Operational Guidelines for Wetland Committees: The guidelines are to support the operation of the committee at national and local levels. The detailed contents shall be finalized through the discussion between the counterparts and JICA expert team.

<sup>3</sup> Wetland Management Planning Guidelines: The guidelines explain how to prepare a wetland management plan including the process of zoning. The detailed contents shall be finalized through the discussion between the counterparts and JICA expert team.

<p>1. An institutionally cross-cutting wetland management mechanism with the Wetland Unit of the MARN as the central coordination body is strengthened.</p> <p>2. Wetland Management Plans<sup>4</sup> including zoning with the local communities around Olomega and El Jocotal Lagoons are developed.</p> <p>3. Pilot activities based on the characteristics of Olomega and El Jocotal Lagoons are implemented as partial implementation of the management plans.</p> <p>4. Networking is enhanced with stakeholders concerning other wetlands in and outside of El Salvador through dissemination of knowledge and experience gained in the Project.</p>	<p>1-1. The Wetland Committee organizes a meeting at least once a year at the national level and once in 6 months at the local level.</p> <p>1-2. The National Wetland Committee discusses the data, management plans and monitoring of the wetlands, and etc. to make collective adaptive management decision.</p> <p>1-3. The Local Wetland Committees analyse information and solicit necessary consultation to the National Wetland Committee.</p> <p>1-4. Data required to update Ramsar Information Sheet (RIS) is accumulated at Wetland Unit.</p> <p>2. The Wetland Management Plans are approved by MARN.</p> <p>3-1. The financial mechanisms to maintain sustainability and replicability are demonstrated in the pilot activities.</p> <p>3-2. Awareness among the 50% of the community members participating in the pilot activities towards wetland conservation is improved.</p> <p>3-3. The selected drivers causing the degradation of wetlands are considered in the selection and design of pilot activities.</p> <p>4-1 At least 3 types of PR materials are developed.</p> <p>4-2 1,000 copies of the PR materials are circulated among the stakeholders in and outside of El Salvador.</p> <p>4-3 More than one(1) national event is organized.</p>	<p>1-1a. Minutes of Meetings (MM) of the Wetland Committees at national and local levels</p> <p>1-1b. Annual report of the Wetland Unit and MARN.</p> <p>1-1c. Newsletter of MARN</p> <p>1-1d. Operational Guidelines for the Wetland Committee</p> <p>1-2. Minutes of Meetings (MM) of the National Wetland Committee</p> <p>1-3. Minutes of Meetings (MM) of the Local Wetland Committee</p> <p>1-4. Data records created at Wetland Unit</p> <p>2-1. Minutes of Meetings (MM) of the Wetland Committees at national and local levels</p> <p>2-2. Approval document issued by Wetland Unit/ MARN</p> <p>2-3. Approved Management Plans uploaded on the MARN site</p> <p>2-4. Wetland Management Planning Guideline</p> <p>3-1a. Work plan of pilot activities</p> <p>3-1b. Report of pilot activities</p> <p>3-2a. Number of programs and the number of participants</p> <p>3-2b. Interview survey</p> <p>3-2c. Questionnaire survey</p> <p>3-3. Project designs, plans and reports</p> <p>4-1. The number of types of PR materials developed</p> <p>4-2. Number of copies circulated</p> <p>4-3a. Project monitoring reports</p>	<p>disaster does not occur.</p> <p>Concerned Ministries and other stakeholders take part in the Wetland Committees.</p>		
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<sup>4</sup> Wetland Management Plan: The Wetland Management Plan including zoning indicates appropriate management activities to address the drivers of the wetland degradation and other relevant subjects. The detailed contents shall be finalized through the discussion between the counterparts and JICA expert team.

	4-4 The Project staff participates in more than two (2) international events.	4-3b. Proceedings of the events 4-3c. Number of participants to the events 4-4a. Number of participants to the events		
<b>Activities</b>	<b>Inputs</b>		<b>Important Assumption</b>	
<p>1-1. Establish Wetland Committees at national and local levels and facilitate the operation of the committees.</p> <p>1-2. Collect the basic data on environment (e.g., water quality, water level, flood, biodiversity, etc.) and socio-economy (e.g., population trend, development plans) and analyse them.</p> <p>1-3. Report the results of the analyses to the national and local Wetland Committees to be used for making the management decisions in their regular meetings (e.g., management planning and monitoring).</p> <p>1-4. Establish monitoring system for regular updates of the data</p> <p>1-5. Provide data to Wetland Unit to update Ramsar Information Sheet (RIS)</p> <p>1-6. Develop an Operational Guideline for Wetland Committees at national and local levels</p>	<p><b>The Japanese Side</b></p> <ul style="list-style-type: none"> <li>• Chief advisor (wetland ecosystem)</li> <li>• Community Organization/ Livelihood Development</li> <li>• Land Use Planning</li> <li>• Environmental Education</li> <li>• Hydrologist</li> <li>• Short Term Experts as required</li> </ul> <p>• Trainings in Japan</p> <p>• Partial cost for the activities</p> <p>• Partial cost for necessary equipments</p>	<p><b>The Salvadoran Side</b></p> <ul style="list-style-type: none"> <li>• Project director</li> <li>• Project manager</li> <li>• A counterpart for each JICA Expert</li> <li>• Administrative staff</li> <li>• Office space for JICA Experts (with necessary furniture)</li> </ul> <p>• Necessary arrangements to acquire necessary data requested by JICA Experts</p> <p>• Partial cost for the activities</p> <p>• Partial cost for necessary equipment</p>		
<p>2-1. Prepare wetland management plans including zoning along with a long list of potential pilot activities in a participatory manner using the results of the analyses.</p> <p>2-2. Submit the wetland management plans for the approval of MARN through Wetland Unit.</p> <p>2-3. Share the plans with local stakeholders to raise awareness.</p> <p>2-4. Develop a Wetland Management Planning Guideline that can be applied in other Ramsar sites in El Salvador.</p>			<b>Pre-Conditions</b>	
<p>3-1. Develop criteria and procedures for selecting the pilot activities.</p> <p>3-2. Prepare a short-list of pilot activities from the long list with reference to 3-1 and in a participatory manner.</p> <p>3-3. Select the pilot activities<sup>5</sup> out of the short list and prepare an action plan with proper budget.</p> <p>3-4. Implement and monitor the pilot activities</p> <p>3-5. Develop implementation guidelines<sup>6</sup> based on the</p>				<b>&lt;Issues and countermeasures&gt;</b>

<sup>5</sup> Prospective pilot activities are related to wetland management (e.g. preparation of field guide and awareness raising) and livelihood activities (e.g. compost making, small-scale fish culture, eco-tourism) that contribute to the conservation of the wetlands.

<sup>6</sup> Implementation Guidelines based on the pilot activities explain the process of implementation of the small scale activities that would contribute to the wise use of wetlands. The contents should include the objective of the activities, costs, methods of implementation, specification of the structures, if applicable and etc. The guidelines should help the readers to undertake the similar activities based on the document.

<p>pilot activities</p> <p>3-6. Conduct workshops to share experiences of participating in pilot activities for the non-participating community members</p>			
<p>4-1. Prepare PR materials using outputs such as the wetland management plan and pilot activities and conduct various PR activities.</p> <p>4-2. Organize site visits by inviting stakeholders of other Ramsar sites in El Salvador.</p> <p>4-3. Organize/ participate in international events with stakeholders of other projects and countries particularly within the Central American Region in collaboration with the Ramsar Secretariat and CCAD.</p>			



## 資料編 1

### A-1 活動写真集

Photo Documentation  
(June 2018 – July 2021)

El Salvador The Project for Integrated Wetland Management in Olomega and El Jocotal Lagoons  
Photos of Activities (June, 2018)



Photo 1: A JICA mid-term monitoring mission team member visited the newly finished biodiversity monitoring and bird-watching platform on the shore of the El Jocotal lagoon, in anticipation of the inauguration of the Education Center the following week. (El Jocotal)



Photo 2: A JICA mid-term monitoring mission team member met with a representative from the El Jocotal Local Wetland Committee to learn about the way they coordinate with the MARN-JICA project in the management of the wetland. (El Tránsito)



Photo 3: The El Jocotal Lagoon Ramsar Wetland Education Center was inaugurated by the Vice-minister of the Environment and Natural Resources, joined by the Ambassador of Japan in El Salvador and JICA's Chief Representative. (El Jocotal)



Photo 4: After the inauguration ceremony, guests participated in a guided visit of the Wetland Education Center, which has audiovisual and didactic material to promote the value of the wetland and awareness about its importance. (El Jocotal)



Photo 5: The final part of the inauguration event was the cutting of the ribbon at the biodiversity monitoring platform on the shore of the El Jocotal lagoon. (El Jocotal)



Photo 6: The JICA mid-term monitoring mission team visited water body of El Jocotal by canoeing. (El Jocotal)





Photo 7: The JICA mid-term monitoring mission team visited some of the sites where soil and water conservation works are being developed in the areas surrounding El Jocotal and Olomega lagoons. (Cantón Miraflores, San Miguel)



Photo 8: A local consultant of the MARN-JICA project explains the different soil and water conservation works being done as part of Pilot Project 3 during a field visit with the JICA mid-term monitoring mission team. (Cantón Miraflores, San Miguel)



Photo 9: The third meeting of the Joint Coordinating Committee (JCC) took place at the Minister's office. Representatives of MITUR, the El Jocotal local committee and Olomega local committee were in attendance. (MARN)



Photo 10: The Minister of the Environment and Natural Resources and the chief representative of JICA in El Salvador signed the minutes of the third JCC meeting. (MARN)



Photo 11: Nursery trees in the picture are prepared for afforestation at Las Moritas where located in the northeast of El Jocotal.



Photo 12: In afforestation activity at Las Moritas, field workers are hired from residents. In this picture, they are carrying basket for carrying nursery trees.



El Salvador The Project for Integrated Wetland Management in Olomega and El Jocotal Lagoons  
Photos of Activities (July, 2018)



Photo 1: Visit to NPA Las Moritas with a team from Las Perillas, a water-bottling company based in San Miguel who is interested in establishing a co-management agreement for the area with the MARN. (Cantón Gualuca, San Miguel)



Photo 2: The team from Las Perillas learned about the reforestation works being done by the MARN-JICA project in the NPA Las Moritas, in order to gauge what type of activities they can take on as part of the co-management agreement. (San Miguel)



Photo 3: The MARN-JICA project organized a visit to the NPA Las Moritas with the Communications unit of MARN to take drone pictures, which will be used to gauge the progress of the reforestation and soil conservation activities in the area. (San Miguel)



Photo 4: The MARN-JICA team met with a representative from the Ministry of Education regional office in San Miguel to start coordination for educational programs and teacher visits to the Wetland Education Center of El Jocotal (San Miguel)



Photo 5: The graduation ceremony of the GAP training course developed by the MARN-JICA project and FUNDAZUCAR was held at the platform at the El Jocotal lagoon. 70 sugar-cane producers and mill technicians completed the course. (El Jocotal)



Photo 6: After the ceremony, event participants were invited to tour the Wetland Education Center and participate in activities prepared for them by the MARN-JICA project. (El Jocotal)



El Salvador The Project for Integrated Wetland Management in Olomega and El Jocotal Lagoons

Photos of Activities (August, 2018)



Photo 1: Mr. Tsuji and Ms. Marcela from JET discussed about ToR for the implementation of GAP with staff from Fundazucar on 1<sup>st</sup>, August. (Fundazucar head quarter, San Salvador)



Photo 2: Ms. Marcela and Ms. Alicia Díaz from JET visited El Jocotal to confirm biodiversity monitoring stations with Amilcar López and Miguel López park rangers from MARN on August 15<sup>th</sup>. (El Jocotal)



Photo 3: Ms. Marcela from JET visited El Jocotal to confirm biodiversity monitoring stations with Ms. Alicia Díaz and Isidro Flores (park ranger) on August 16<sup>th</sup>. (Olomega)



Photo 4: Mr. Asano and Ms. Marcela from JET, Ms. Rosalba from MARN and Las Perlitas staff had a meeting to discuss about the agreement to jointly work in Las Moritas NPA on August 21<sup>st</sup> (Las Perlitas office)



Photo 5: Mr. Rodolfo from JET went to parcels in Olomega to monitor the progress of the works in agroforestry and silvopasture systems such as the construction of the water reservoirs on 21<sup>st</sup>, August. (Olomega canton)



Photo 6: Ms. Marcela and Mr. Rodolfo from JET inspected the reforestation area at Las Moritas to see tree conditions due to the drought on 23<sup>rd</sup>, August. (Las Moritas NPA)





Photo 7: One of the staff of MARN, Ms Georgina and JET local consultant, Ms. Leticia conducted water quality monitoring at El Jocotal lake on 22<sup>nd</sup>, August. (El Jocotal)



Photo 8: Ms. Rosalba from MARN head office, Mr. Isidro Flores, park ranger and Ms. Leticia from JET conducted water quality monitoring at Olomega lake on 23<sup>rd</sup>, August. (Olomega)



Photo 9: Mr. Asano, chief of JET and Mr. Luis Miguel and Ms. Dera Cortés from JICA El Salvador, had a meeting with Ms. Yesenia from MARN who applied to JICA&MARN scholarship on 27<sup>th</sup>, August. (MARN head office)



Photo 10: Mr. Asano, Mr. Yoshino, Ms. Marcela, and Mr. Rodolfo visited beneficiaries of pilot project 3 with OIKOS on 30<sup>th</sup>, August. (Calle Nueva and Piedra Pacha cantons)



Photo 11: Mr. Asano, Mr. Yoshino, Ms. Marcela, and Mr. Rodolfo visited Agroforestry Systems (AFS) and Silvopasture Systems (SPS) plots with OIKOS on 30<sup>th</sup>, August. (Calle Nueva and Piedra Pacha cantons)



Photo 12: Meeting with OIKOS about the work progress of Agroforestry Systems (AFS) and Silvopasture Systems (SPS) on 30<sup>th</sup>, August. (MARN Jocotal Office)



El Salvador The Project for Integrated Wetland Management in Olomega and El Jocotal Lagoons

Photos of Activities (September, 2018)



Photo 1: A picture of El Jocotal Wetland is taken from a drone by Mr. Yanehashi (JET) with the Chaparrastique volcano in the background..



Photo 2: Mr. Yoshino (JET) visited parcels of land in Piedra Pacha and NPA Las Moritas for reforestation sites.



Photo 3: Construction of a reservoir in Canton La Estrechura Lagoon of Olomega. Here the layer is almost at a complete stage.



Photo 4: Mr. Tokue (JET) gives out a presentation to the MARN-JICA staff about Zonification and Land Use.



Photo 5: The JICA security team met with park rangers and asked about security protocols in the wetland and education center.



Photo 6: Mr. David trained local committees of Olomega in environmental governance.





Photo 7: Mr. Yoshino (JET) and Ms. Marcela coordinated meeting with MARN's staff who are working with GEF.



Photo 8: Mr. Sanchez and Mr. Rodolfo (Local consultants) met with sugar cane producers in order to establish a survey of the land around Olomega and El Jocotal.

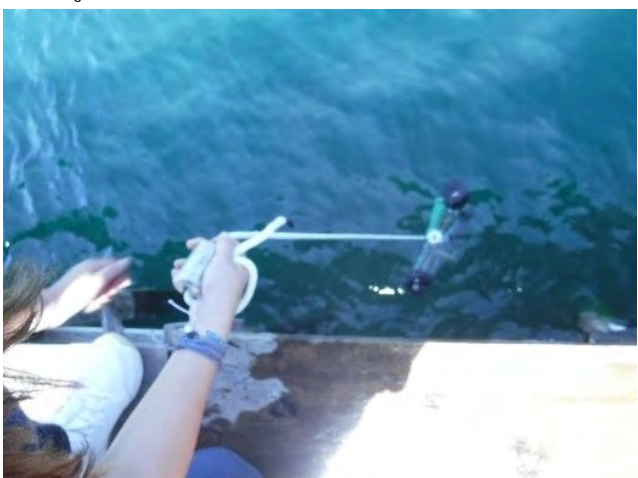


Photo 9: Dr. Nagahama performs monitoring of water quality in Coatepeque lake in Santa Ana.



Photo 10: Stakeholders related to sugarcane industry (CASSA, FUNDAZUCAR, and Mr. Sanchez) had a meeting with GEF.



Photo 11: Dr. Nagahama (JET), Mr. Tsuji(JET), Ms. Rosalba (MARN) and Ms. Marcela met with Las Perillas team as part of the CSR that the project can offer.



Photo 12: The MARN-JICA team met with MINED teachers in the Ministry of Education in order to create awareness of wetlands and implement an environmental education curricula to their system.



El Salvador The Project for Integrated Wetland Management in Olomega and El Jocotal Lagoons

Photos of Activities (October, 2018)



Photo 1: Mrs. Georgina from MARN presents advances from the project in the COP 13 Convention in Dubai, U.A.E.



Photo 2: Mr. Asano from JICA presents project accomplishments and advancements in the COP 13 Convention in Dubai, U.A.E.



Photo 3: Ing. Sanchez from the MARN-JICA project gives out a presentation on the implementation of GAP to sugarcane producers and technician.



Photo 4: Mr. Tsuji from JICA and Ing. Sanchez from MARN-JICA project, revise the budget and TOR's with the company FUNDASUCAR



Photo 5: Dr. Yukio from JICA and Mrs. Rosalba from MARN attend a meeting with Ing. Danny Reyes in order to discuss the Jacinto cogeneration effect on the boilers.

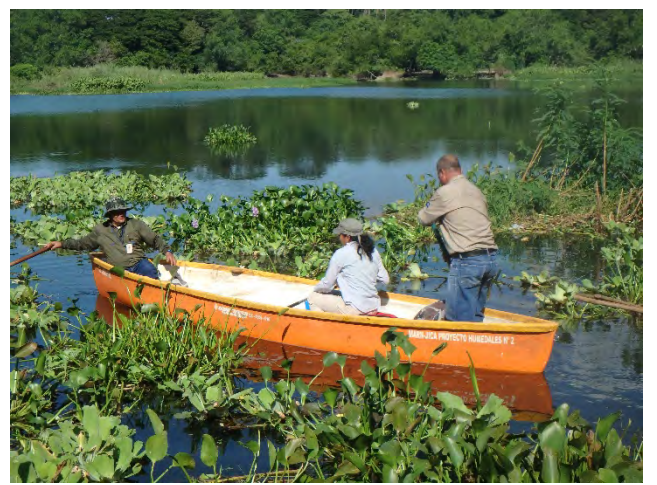


Photo 6: Ms. Leticia from the MARN-JICA project worked with park rangers to do water quality monitoring after heavy rains flooded El Jocotal.





Photo 7: Mr. Rodolfo from project MARN-JICA visited ANP Las Moritas to continue the reforestation pilot activity.



Photo 8: Mr. Morris from MARN-JICA project visited El Jocotal to look over the flooding that occurred in El Jocotal.



Photo 9: Mr. Miguel Lopez one of the park rangers from MARN receiving the workshop by Mrs. Leticia Andino on water quality monitoring, takes water quality points from El Jocotal



Photo 10: Mr. Leo Ramirez one of the park rangers from MARN receives a workshop by Mrs. Leticia Andino on water quality monitoring in El Jocotal.



Photo 11: Mr. Morris from project MARN-JICA visited with Mrs. Leticina to check on damage after flooding occurred in El Jocotal Lagoon



Photo 12: Students from El Transito High School, visit El Jocotal to finalize their school project on wetlands and water quality monitoring by visiting El Jocotal



El Salvador The Project for Integrated Wetland Management in Olomega and El Jocotal Lagoons  
Photos of Activities (November, 2018)



Photo 1: Mrs. Marcela of JET presents the current status of agroforestry and silvopasture systems to technicians of DGFCR (MAG head quarter, San Salvador)



Photo 2: Mr. Jorge Trejo from FIAES presents a project formulation workshop to members of local committees of El Jocotal and Olomega (Governance, San Miguel)



Photo 3: Ms. Rosalba Parada of MARN-JICA gives some information of MARN protocols and processes to members of the local committees of El Jocotal and Olomega (Governance, San Miguel)



Photo 4: Mr. Juan Machuca, a beneficiary of the project, looks over the reservoir that was built by the project (Olomega Parcels)



Photo 5: Mr. Nagahama from JET, doing site inspection about mobilization of a panel in Ramsar Wetland Center in El Jocotal (El Transito).



Photo 6: Mr. Nagahama from JET having a meeting on water quality monitoring in El Jocotal and Olomega lagoons with Ms. Georgina/Wetland Unit, Ms. Regina Cortez/Laboratory Chief Coordinator, Ms. Zolma Mena/Specialist of Surface Water Monitoring, Environmental Observatory Directorate. (MARN, San Salvador)





Photo 7: Ms. Georgina Mariona from MARN and Mr. Asano from JET present the CECOP plan to Fundacion Domenech. (MARN-JICA, San Salvador)



Photo 8: Mr. Asano from JET supervises the CECOP presentation provided to Fundacion Domenech prior to the foundations acceptance to be the NGO National Coordinator for CECOP (MARN-JICA, San Salvador)



Photo 9: Mr. Daniel from OIKOS looks over the plot of sesame seeds of Maura Membreño part of the agroforestry pilot (Calle Nueva, San Miguel)



Photo 10: Mr. Tsuji from JET presents the environmental education information in EEEC to Mr. Kasuya Tominaga from JICA along with park ranger Mr. Amilcar Lopez (El Jocotal, San Miguel)



Photo 11: Mr. Rodolfo from JET explains all the progress that has been done in Las Moritas with the help of Las Perillas to local committee members and national media (ANP Las Moritas, San Miguel)



Photo 12: Governor from San Miguel, Ing. Perla, Kasuya Tominaga from JICA, Mr. Tsuji from JET, Ligia Benitez from Las Perillas along with a member of Las Perillas board present progress to the national media on ANP Las Moritas. (ANP Las Moritas, San Miguel)



El Salvador The Project for Integrated Wetland Management in Olomega and El Jocotal Lagoons  
Photos of Activities (December, 2018)



Photo 1: 300 copies of CEPA national plan were printed.



Photo 2: Park ranger and local consultants, carrying out water quality monitoring in El Jocotal lagoon (El Jocotal).



Photo 3: Ms. Rosalba Parada of MARN, giving a presentation to FUNDAZUCAR about value of wetland as a kind of environmental education activity. (San Salvador)



Photo 4: A table and five benches were procured for Ramsar Wetland Education Center in El Jocotal. (MARN El Jocotal office)



Photo 5: Drone training for MARN staffs were carried out -1. (MARN)



Photo 6: A snapshot from Drone training -2. (MARN)



Photo 7: A snapshot from Drone training -3. (MARN)



Photo 8: A snapshot from Drone training -4. (MARN)



Photo 9: A snapshot from Drone training -5. (MARN)



Photo 10: A boat with fork was finally procured for control of invasive aquatic species with the fund provided from FIAES in response to the project's proposal. (MARN)



Photo 11: A park ranger and local consultants, carrying out water quality monitoring in Olomega lagoon (Olomega lagoon).



Photo 12: Ms. Alicia from JET, giving a lecture about value of wetland to park rangers (MARN El Jocotal office)



El Salvador The Project for Integrated Wetland Management in Olomega and El Jocotal Lagoons

Photos of Activities (January, 2019)



Photo 1: Mr. Yukio Nagahama and Mrs. Silvia Fuentes ran and inspection of the visitor's message board at Wetlands Education Center El Jocotal on February 1<sup>st</sup>. (San Salvador)



Photo 2: Mr. Yukio Nagahama and Rosalba Parada (MARN) met with Oscar Garciaguire (MINED) to define the number of teachers who will make the first visit at Wetlands Education Center El Jocotal, according to PP2, on January 31<sup>st</sup> (San Miguel)



Photo 3: Mr. Nagahama and Rosalba Parada visited the Wetlands Education Center El Jocotal to make a new arrangement of the environmental education boards, preparing for the commemoration of the World Day of Wetlands on January 31<sup>st</sup>. (El Jocotal)



Photo 4: Mr. Nagahama ran a to manage the telescope which is used for monitoring biodiversity on the monitoring base, January 31<sup>st</sup> (El Jocotal)



Photo 5: Mr. Rodolfo visited the ground parcel at Estrechura, Olomega to monitor the protein bank for Edwin Chavez's parcel with silvopastoralists systems, additionally, grass stablishment was verified and its summer effect on January 8<sup>th</sup> (Canton de Olomega)



Photo 6: Mr. Rodolfo Rivera ran a sensibility campaign about fire prevention and project works by MARNJICA at Moritas ADESCO, San Carlos, El Amate on January 10<sup>th</sup> (San Miguel)





Photo 7: Ms. Marcela Lemus presented the progress of the MARNJICA projects to the MARN party, at building N. 1 on January 11<sup>th</sup> (San Salvador)



Photo 8: Mr. Tsuji y Ms. Marcela Lemus visited FUNDAZUCAR to revise the work plan about Good Agricultural Practices (GAP) on January 15<sup>th</sup> (San Salvador)



Photo 9: Ing. Rafael Cerros introduction to the GAP in Action at FUNDAZUCAR to define practices on January 16<sup>th</sup> (San Salvador)



Photo 10: Mr. Tsuji met with Rosalba Parada, Jaime Espinoza, Manager of the Wetlands Unit, and Marcela Lemus to discuss about the local committees sustainability on January 18<sup>th</sup> (MARN-JICA)



Photo 11: Meeting to request support for the GAP in Action program on behalf of Mr. Tsuji, Rosalba Parada, Marcela Lemus; from Fundazúcar Rosy Rodríguez and Melisa Méndez; from CONSAA Julio Castro and Pablo Brito, with Margarita Garcia from MARN on January 22<sup>th</sup> (San Salvador)

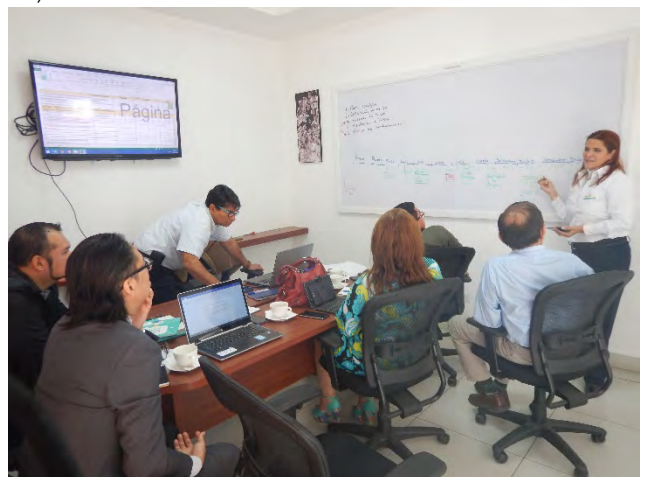


Photo 12: Final revision of the work plan with Fundazúcar, assisted by Mr. Tsuji, Ing. Juan José Sánchez, Rosalba Parada, Guillermo Monterrosa, Rafael Cerros, Rosy Rodríguez and Vladimir Herrera on January 21<sup>st</sup> at the Fundazúcar offices (San Salvador)



El Salvador The Project for Integrated Wetland Management in Olomega and El Jocotal Lagoons  
Photos of Activities (February, 2019)



Photo 1: Mr. Asano attended the celebration of Wetlands Day on February 8, where the progress of the MARN-JICA pilot projects was presented (San Miguel)



Photo 2: Marcela Lemus presented the progress of the pilot projects on the day of the Wetlands on February 8 (San Miguel)



Photo 3: Rosalba Alvarenga Parada presents advances of some of the pilot projects on the day of the celebration of the Wetlands on February 8 (San Vicente)



Photo 4: Mr. Asano and project members visit plots of Juan Pablo Carranza and Calle Nueva in commemoration of the day of the Wetlands (San Miguel)



Photo 5: Marcela Lemus presents about the pilot project of environmental education and the resources that were created that are part of the education center El Jocotal (San Miguel)



Photo 6: Visit to PNA Las Moritas, which is a reforestation area in progress. Rosalba Parada explains the progress of the project. (Las Moritas, San Miguel)





Photo 7: Alicia Díaz and park rangers monitored biodiversity in the lagoon of El Jocotal (San Miguel)



Photo 8: Alicia Díaz and park rangers collect biodiversity information using the resources and tools of the project (San Miguel)



Photo 9: Technicians supervised the project of Good Agricultural Practices in Action in Fundazúcar (San Miguel)



Photo 10: Rodolfo Rivera and Fundazúcar Technicians visited the sugarcane areas to corroborate the good agricultural practices implemented (San Miguel)



Photo 11: Georgina teaches the park ranger how to collect water samples using biological bags in El Jocotal lagoon on February 20 (San Miguel)



Photo 12: Georgina, Leticia and Daniel took water samples using sampling bottles and took water parameters such as salinity, PH, Chlorophyll, etc. on February 20 in the lagoon of El Jocotal (San Miguel)



El Salvador The Project for Integrated Wetland Management in Olomega and El Jocotal Lagoons  
Photos of Activities (March, 2019)



Photo 1: Ms. Rosalba gives a training on biological beds and their importance as part of the GAP in Action program in the El Progreso plots on March 7 (San Miguel).



Photo 2: Marcela Lemus was part of the practical training for the development of the biological bed which is shown in the photo with its different layers, March 7 (San Miguel).



Photo 3: Mr. Yanehashi gives a brief training on how the drone works to Mr. Daniel during the field trip to collect photos for ATLAS on March 12 (El Jocotal).



Photo 4: Mr. Yanehashi and Mr. Daniel take pictures with the drone for the ATLAS at another point in the lagoon (El Jocotal, San Miguel).



Photo 5: Mr. Yanehashi and Mr. Daniel delivered the repaired table to the lagoon education center on March 12 (El Jocotal).



Photo 6: Visit to the tree and plant nursery of Mr. Vicente García by Mr. Rodolfo Rivera in San Juan Opico (La Libertad).





Photo 7: Mrs. Marcela Lemus and Mr. Rodolfo Rivera visited the NPA Las Moritas and the tree nursery in Chilanguera on March 19 (San Miguel).



Photo 8: Mr. Tsuji, Mr. Yoshino, Mrs. Rosalba and Mrs. Marcela Lemus visited the field to verify that the biological beds are replicated, March 27 (San Miguel).



Photo 9: Mr. Yoshino and Mrs. Rosalba Parada help building a biological table with other participants of the activity (San Miguel).



Photo 10: The MARN-JICA team shows the completion and presentation of a biological table (San Miguel).



Photo 11: Mr. Tsuji and Mr. Yoshino do an interview about the handling and registration of agricultural products as part of the GAP program in Action with producer Carlos Avelar (San Miguel).



Photo 12: Meeting with the local committee of El Jocotal to discuss the action plan where Mr. Tsuji, Ms. Marcela and Ms. Rosalba participated on March 28 (El Jocotal, San Miguel).



El Salvador The Project for Integrated Wetland Management in Olomega and El Jocotal Lagoons  
Photos of Activities (April, 2019)



Photo 1: Mr. Rodolfo imparts the second-round sensitization workshop in ADESCO on April 2nd. (Gualuca,, San Miguel)



Photo 2: Mr. Yanehashi gave a brief demonstration of the use of the drone, how it works and how it is used, in the sensitization workshop. (Gualuca, San Miguel)



Photo 3: Rodolfo and Marcela Lemus give the second-round sensitization workshop on April 3. (Gualuca, San Miguel)



Photo 4: Miguel, MARN's park ranger, gives his contributions based on the experience in the second-round sensitization workshop. (Gualuca, San Miguel)



Photo 5: Mrs. Rosalba comments in the second round sensitization workshop in Las Moritas. (El Pital, San Miguel).



Photo 6: Mrs. Rosalba and MARN's park ranger, Isidro, show the taking of an aerial video with the drone and explain the use of this tool for monitoring. (El Pital, San Miguel).





Photo 7: Local committees work at the 2019 general assembly of the Ramsar wetlands on April 10. (Gobernación, San Miguel)



Photo 8: Mr. Asano and Mrs. Rosalba in a group photograph with members of the Olomega committee at the 2019 General Assembly. (Gobernación, San Miguel)



Photo 9: Mr. Asano, Rosalba Parada, Marcela Lemus and Georgina Mariona in a group photograph with the local committee of El Jocotal lagoon in the 2019 General Assembly. (Gobernación, San Miguel)



Photo 10: Members of ADESCO put into practice the sensitization workshop and compared past situations with current ones that have affected the area. (El Amate, San Miguel)



Photo 11: Marcela and Rosalba attended the pest monitoring course on sugar cane as part of the GAP project on April 25. (Miraflores, San Miguel)



Photo 12: Rodolfo and Marcela visited the CASSA tree nursery and had a meeting with Lic. Ligia de Benitez.



El Salvador The Project for Integrated Wetland Management in Olomega and El Jocotal Lagoons

Photos of Activities (May, 2019)



Photo 1: Mr. Rodolfo from JET imparts the second-round sensitization workshop on May 3<sup>rd</sup> (Los Llanitos, San Miguel)



Photo 2: Ms. Marcela from JET shows the members of the community how to make a trend analysis of the resources of Las Moritas on May 3<sup>rd</sup> (Los Llanitos, San Miguel).



Photo 3: Mr. Tokue and Yesenia Peñate (MARN's GIS technician) implement test flights with the drone in the Bicentenario park with the help of Silvia Fuentes. (Ave. Jerusalén, San Salvador).



Photo 4: On May 15<sup>th</sup>, MARN held an event with the universities of San Salvador and JICA supported the development in the same way (El Jocotal, San Miguel).



Photo 5: The students of the universities of San Salvador participate in an activity directed by Mr. Leodán (MARN's park ranger) (El Jocotal, San Miguel)



Photo 6: Group photography of the students of the universities of San Salvador with Ms. Rosalba (MARN) and Ms. Silvia (JET) in the platform of the lagoon (El Jocotal, San Miguel).





Photo 7: Mr. Tokue and Ms. Yesenia (MARN's GIS technician) prepare the drone for the taking of photos in the NPA Las Moritas and El Jocotal (Las Moritas NPA, San Miguel).



Photo 8: Mr. Tokue presents Mr. Jaime (MARN) and Ms. Rosalba (MARN) with his drone monitoring proposal for Las Moritas NPA and the lagoon of El Jocotal (MARN, San Salvador).



Photo 9: Mr. Tokue presents Ms. Magaña (MARN) with his drone monitoring proposal for Las Moritas NPA and the lagoon of El Jocotal (MARN, San Salvador).



Photo 10: Mr. Rodolfo (JET) explains to Ms. Yesenia (MARN's GIS technician) the current situation of the Las Moritas NPA since she will be working with the monitoring of the area (Las Moritas NPA, San Miguel).



Photo 11: Ms. Marcela (JET) and Ms. Rosalba (MARN) attended the third course of pest monitoring as part of the GAP project on May 23<sup>rd</sup> (Miraflores, San Miguel).



Photo 12: Mr. Tsuji and Mr. Rodolfo (JET) had a field trip to visit the beneficiaries of Olomega, EL Jocotal, and Las Moritas on May 29<sup>th</sup> (San Miguel).



El Salvador The Project for Integrated Wetland Management in Olomega and El Jocotal Lagoons  
Photos of Activities (June, 2019)



Photo 1: The MARN technician, Yesenia Peñate, presents the learning from the JICA training in Japan to MARN and JICA El Salvador Officers (MARN, San Salvador).



Photo 2: Ms. Alicia from JET gave a presentation about the study of freshwater clam in the First Symposium on Biodiversity and Conservation that took place at MUNA (MUNA, San Salvador).



Photo 3: Mr. Tsuji and Mr. Yoshino visited SAF and SSP plots in El Jocotal and Olomega with the company of Mr. Rodolfo from JET (El Jocotal & Olomega, San Miguel).



Photo 4: Mr. Yoshino and Mr. Yanehashi collaborated with the delivery of plants to OIKOS and the beneficiaries (San Juan Opico, La Libertad).



Photo 5: Meeting with Las Perillas as part of the GAP pilot project (Las Perillas, San Miguel).



Photo 6: Mr. Yoshino and Ms. Marcela from JET and Ms. Rosalba from MARN attended the equipment calibration workshop, as part of the GAP project (Usulután).





Photo 7: Dice game about Migratory Bird was socialized and practiced with the Environmental Education Unit of MARN (MARN, San Salvador).



Photo 8: Water Cycle dice game was practiced and socialized with the Environmental Education Unit of MARN (MARN, San Salvador).



Photo 9: Mr. Isidro, MARN's park ranger, learned about the measurement of freshwater bivalves (El Jocotal, San Miguel).



Photo 10: MARN park rangers learned how to measure the total weight of the freshwater bivalve (El Jocotal, San Miguel).



Photo 11: Field trip by Mr. Asano and Mr. Nagahama to El Jocotal and Las Moritas (El Jocotal, San Miguel).



Photo 12: The installation of the educational panels began at the Interpretation Center of Gujja Lake, by Mr. Nagahama and Ms. Silvia from JET on June 26 (Gujja Lake, Santa Ana).





Photo 13: Dr. Nagahama explains the participants of the capacity building training about the environmental education activities objective that the project MARN-JICA has for the curriculum so they can be implemented at El Jocotal Education Center (El Jocotal, San Miguel).



Photo 14: Mr. Elvert explains the guide that he developed to be used at the Education Center Complex (El Jocotal, San Miguel).



Photo 15: Unfolding the Migratory Bird Dice-Game at the El Jocotal Education Center Complex (El Jocotal, San Miguel).



Photo 16: Elvert explains how to analyze the results of outdoor activities (El Jocotal, San Miguel).



Photo 17: Group photo with Yukio, Elvert, Miguel and the workshop participants (El Jocotal, San Miguel).



Photo 18: Water Cycle Dice-Game printed in acrylic material (El Jocotal, San Miguel).



El Salvador The Project for Integrated Wetland Management in Olomega and El Jocotal Lagoons  
Photos of Activities (July, 2019)



Photo 1: Mr. Asano, Ms. Marcela and Ms. Rosalba attended the progress presentation of the pilot project GAP in Action by Fundazúcar (Fundazúcar, San Salvador).



Photo 2: Mr. Asano, Ms. Marcela and Ms. Rosalba met with Prof. Linares to discuss the identification methodology of riparian forests of El Jocotal (MARN El Jocotal Office, San Miguel).



Photo 3: Mr. Asano, Ms. Marcela and Ms. Rosalba met with Grupo Campestre to present Las Moritas project (San Miguel).



Photo 4: Ms. Marcela, Ms. Rosalba and Prof. Linares, together with MARN park rangers, took a tour in Miraflores to recognize species in the riparian forest. (Miraflores, San Miguel).



Photo 5: Mr. Asano, Ms. Marcela, Ms. Georgina and Ms. Rosalba met with the new director of Ecosystems and Wildlife Unit of MARN, Miguel Gallardo (MARN, San Salvador).



Photo 6: Mr. Rodolfo visited the plots of El Jocotal where he also verified the planting of grass (El Jocotal, San Miguel).





Photo 7: Ms. Silvia and Ms. Alicia from JET assisted in the placement of new informative panels at the Interpretation Center of Gujija Lake (Interpretation Center of Gujija Lake, Santa Ana).



Photo 8: Mr. Daniel from JET trained the MARN park rangers with the help of Ms. Rosalba from MARN to make use of the Water Cycle game (MARN El Jocotal Office, San Miguel).



Photo 9: Mr. Daniel trained MARN park rangers to make use of the Migratory Birds dice game (MARN El Jocotal Office, San Miguel).



Photo 10: MARN-JICA team members attended the Bonsucro tour event as part of the GAP in Action (San Miguel).



Photo 11: Mr. Asano and Mr. Rodolfo visited the Olomega plots (Olomega, San Miguel).



Photo 12: Mr. Yoshino inspects a Leucaena tree during his visit to Agroforestry and Silvopasture plots in the company of Mr. Rodolfo (El Jocotal, San Miguel).





Photo 13: Mr. Yoshino visited Agroforestry and Silvopasture plots in Olomega together with Mr. Rodolfo (Olomega, San Miguel).



Photo 14: Mr. Elvert trains teachers in the surrounding schools to the lagoon for the incorporation of field trips to the educational curriculum (Gualuca, San Miguel).



Photo 15: Mr. Elvert presented the curriculum strategy and learning guides to different MARN Units (MARN, San Salvador).



Photo 16: Mr. Tsuji and Ms. Marcela met with Mr. Tomás and Ms. Rosy to discuss Ecosystem Services (Fundazúcar, San Salvador).



Photo 17: Meeting with Ms. Claudia from Grupo CASSA (MARN, San Salvador).



Photo 18: Mr. Tsuji and Ms. Marcela had a meeting with FONAES (San Salvador).





Photo 19: Mr. Tsuji and Mr. Rodolfo had a field trip with Campestre Group (San Miguel).



Photo 20: The students of the School Center Cantón El Delirio visited the El Jocotal Education Center as part of Mr. Elvert's educational guide (MARN El Jocotal Office, San Miguel).



Photo 21: Mr. Tsuji, Ms. Marcela, and Ms. Rosalba met with CASSA Group for the discussion of Ecosystem Services (San Salvador).



Photo 22: Mr. Tsuji, Ms. Marcela, and Ms. Rosalba had a meeting with Fundazúcar (MARN, San Salvador).



Photo 23: Community leaders training by Mr. Elvert at the El Jocotal Education Center (MARN El Jocotal Office, San Miguel).



Photo 24: Mr. Tsuji, Mr. Yanehashi, Ms. Marcela from JET, and Mr. Daniel from OIKOS conducted the monitoring of the plants by field survey and drone recording at Agroforestry and Silvopasture plots (El Jocotal, San Miguel).



El Salvador The Project for Integrated Wetland Management in Olomega and El Jocotal Lagoons  
Photos of Activities (August, 2019)



Photo 1: Mr. Tsuji, Mr. Yanehashi and Mr. Rodolfo Rivera monitored the plots of the agroforestry and silvopasture systems (Olomega, San Miguel).



Photo 2: Mr. Rodolfo Rivera monitored Good Agricultural Practices in COAGRI plots (Las Moritas, San Miguel).



Photo 3: Ms. Alicia Díaz trained park rangers from MARN about swamp bird monitoring (El Jocotal Education Center, San Miguel).



Photo 4: Mr. Wilfredo López trained park rangers from MARN about fish and clam monitoring (El Jocotal Education Center, San Miguel).



Photo 5: Mr. Kazutoshi Yamaguchi, interim president of JICA El Salvador, gives his words during the visit of the project sites at the Las Moritas NPA (Gualuca, San Miguel).



Photo 6: The Minister of MARN, Mr. Fernando López, participated in the game of migratory birds and had a tour at the El Jocotal Education Complex during the visit of the project sites (El Borbollón, San Miguel).





Photo 7: Mr. Osawa visited the SSP and SAF plots in the company of Mr. Tsuji, Mr. Rodolfo Rivera, Ms. Marcela Lemus, and from MARN, Ms. Rosalba Parada (San Miguel).



Photo 8: Mr. Jaime Espinoza from MARN and Mr. Tsuji and Ms. Marcela Lemus from JET attended the meeting to sign the letter of understanding between Fundazúcar and CONSAA (San Salvador).



Photo 9: Mr. Tsuji, Ms. Marcela Lemus, Mr. Jaime Espinoza and Ms. Rosalba Parada, had a meeting with Mr. Dany Reyes from Grupo CASSA for the presentation of a biogas-producing prototype using Hyacinth (San Salvador).



Photo 10: Ms. Marcela Lemus, Mr. Rodolfo Rivera and Ms. Rosalba Parada assisted the fourth practical course of GAP (San Miguel).



Photo 11: Mr. Asano and Ms. Marcela Lemus met with Mr. Mario Guerra, the Director of the General Directorate of Forest Management, Basins and Irrigation, to invite him to the JCC meeting and show him pilot projects 3 and 4 (Santa Tecla, La Libertad).



Photo 12: Mr. Elvert Parada developed the MINED workshop with teachers and principals of San Miguel schools (San Miguel).



El Salvador The Project for Integrated Wetland Management in Olomega and El Jocotal Lagoons  
Photos of Activities (September, 2019)



Photo 1: Mr. Rodolfo Rivera of JET surveys the growth of grass on a plot of El Jocotal (El Jocotal, San Miguel).



Photo 2: Mrs. Rosalba Alvarenga of MARN gives a few words to the teachers of San Miguel in an activity carried out by Mr. Elvert Parada of JET (El Borbollón, San Miguel)



Photo 3: Mr. Koji Asano, chief advisor of JET, and Mrs. Daysie Melgar of MARN take a group photo with the teachers of the San Miguel schools (El Borbollón, San Miguel).



Photo 4: Mr. Fernando López, Minister of MARN, welcomes everyone to the 4th JCC meeting (MARN, San Salvador).



Photo 5: Participants in the 4th JCC meeting, including the Minister of MARN, Interim Chief of JICA El Salvador, and Project Chief Advisor, Koji Asano (MARN, San Salvador).



Photo 6: Mr. Koji Asano of JET and Mr. Tominaga of JICA El Salvador accompanied Mr. Okonogi of JICA HQ to the El Jocotal Environmental Education Center (El Borbollón, San Miguel).





Photo 7: Mr. Okonogi of JICA HQ visits the biodiversity observation platform of the El Jocotal lagoon (El Borbollón, San Miguel).



Photo 8: Mr. Asano of JET explains to Mr. Okonogi of JICA HQ about the progress of the project at the NPA Las Moritas (Gualuca, San Miguel).



Photo 9: Dr. Nagahama of JET has a meeting with Mr. Elvert Parada and Ms. Marcela Lemus of JET to confirm the progress of environmental education activities (MARN, San Salvador).



Photo 10: Dr. Nagahama and Mr. Tokue of JET conducts a drone invasive plant test study in the lagoon of El Jocotal along with Ms. Rosalba and Mrs. Yesenia of MARN (El Jocotal, San Miguel).



Photo 11: Dr. Nagahama, Mr. Rodolfo and Mrs. Marcela of JET, interview to Mr. Jimmy of Grupo Campestre about the biogas design which Grupo Campestre will built (MARN, San Salvador).



Photo 12: The project carries out a field tour event to visit the SSP and SAF plots where different counterparts participated. (San Miguel)





Photo 13: Dr. Nagahama of JET explains the Water Cycle dice game to the General Director of Citizen and Institutional Care of MARN, Ms. Ivania Avendaño (MARN, San Salvador).



Photo 14: Ms. Leticia Andino of JET explains to the Guija Lake park rangers of MARN about the water quality monitoring equipment (Santa Ana).



Photo 15: Mr. Rodolfo Rivera and Mrs. Marcela Lemus of JET visit the silvopasture plots (San Miguel).



Photo 16: Ms. Marcela Lemus and Mr. Rodolfo Rivera of JET participate in the 5th GAP workshop along with Fundazúcar (San Miguel).



El Salvador The Project for Integrated Wetland Management in Olomega and El Jocotal Lagoons  
Photos of Activities (October, 2019)



Photo 1: Mr. Yukio Nagahama and Ms. Marcela Lemus met with Ms. Marta Calderón from MITUR to present her the products of pilot 2 and promote visits to El Jocotal (San Salvador).



Photo 2: Mr. Yukio Nagahama and Ms. Marcela Lemus from JET visited Las Moritas to conduct the regular monitoring of the NPA by use of drone (Calle Nueva, San Miguel)



Photo 3: Mr. Yukio Nagahama, Mr. Elvert Parada and Ms. Marcela Lemus from JET met with Ms. Esperanza Elias and Mr. Alex Granados from MINED to show them the Environmental Education products (San Salvador).



Photo 4: Ms. Marcela Lemus and Ms. Silvia Fuentes performed the Good Agriculture Practice (GAP) monitoring (Miraflores, San Miguel).



Photo 5: Ms. Marcela Lemus and Ms. Rosalba Parada had a visit to El Jocotal and Las Moritas with Mr. Tominaga and a visitor from JICA (Las Moritas, San Miguel).



Photo 6: The MARN-JICA project celebrated World Migratory Bird Day where students, locals, MARN staffs, JICA representatives and the media participated (El Jocotal, San Miguel).



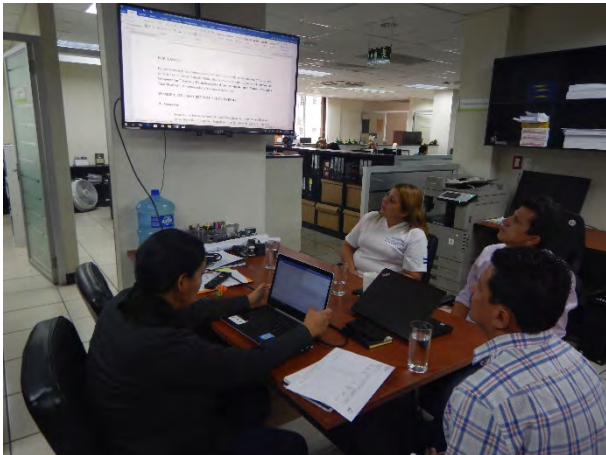


Photo 7: Ms. Marcela of JET, Mrs. Rosalba and Mr. Javier Magaña of MARN met with Mr. Jimmy of the Campestre Group to discuss about the partnership (MARN, San Salvador).



Photo 8: Ms. Rosalba Parada of MARN presents the progress of the MARN-JICA Project at the III Congress of the Protected Areas of Latin America and the Caribbean (Lima, Peru).



Photo 9: Mr. Michinori Yoshino, Mr. Keisuke Yanehashi and Ms. Marcela Lemus from JET monitored the SAF and SSP plots (Olomega, San Miguel).



Photo 10: Mr. Michinori Yoshino, Mr. Keisuke Yanehashi, Ms. Marcela Lemus, and Ms. Rosalba Parada monitored the SAF and SSP plots in El Jocotal and Las Moritas (San Miguel).



Photo 11: Mr. Michinori Yoshino, Mr. Keisuke Yanehashi, Ms. Marcela Lemus, and Ms. Rosalba Parada monitored the GAP at the Anchico farm (La Unión).



Photo 12: Mr. Daniel Cardoza, Mr. Keisuke Yanehashi and Ms. Silvia Fuentes participated in the student forum "Universities and Climate Action" to promote project information (CIFCO, San Salvador)



Photo 13: Ms. Leticia Andino, Mr. Daniel Cardoza and MARN park rangers conducted water quality monitoring in the El Jocotal lagoon (El Jocotal, San Miguel)



Photo 14: Ms. Leticia Andino, Ms. Silvia Fuentes and MARN park rangers conducted water quality monitoring in the Olomega lagoon (San Miguel, La Unión).



El Salvador The Project for Integrated Wetland Management in Olomega and El Jocotal Lagoons  
Photos of Activities (November, 2019)



Photo 1: Ms. Marcela Lemus shared the project's experience on wetlands and their conservation activities at the Water forum organized by OIKOS (San Miguel).



Photo 2: Mr. Yoshino, Mr. Yanehashi, Ms. Marcela, and Ms. Leticia conducted the monitoring of the planted trees and applying fertilizers to mango trees at pilot plots (Olomega, San Miguel).



Photo 3: Mr. Elvert carried out an education activity with students from Santa Fidelia School (El Jocotal).



Photo 4: Mr. Elvert carried out an education activity with students from La Estrechura School (El Jocotal).



Photo 5: Ms. Marcela Lemus and Ms. Silvia paid the wages to Las Moritas workers (Gualaica, San Miguel).



Photo 6: Ms. Rosalba from MARN and Ms. Marcela from JET held a meeting with Mr. Fernando from Doménech Foundation to discuss about the agenda for the Ramsar National Committee meeting and about actions for the 2020 Plan (San Salvador).





Photo 7: Ms. Marcela from JET held a meeting with Fundazucar to discuss about the graduation ceremony for the GAP courses (San Salvador).



Photo 8: Mr. Nagahama from JET assisted the Agreement signatura event between MARN and Grupo Campestre since the project has been key for the agreement to be done (MARN, San Salvador).



Photo 9: Mr. Asano and Ms. Marcela from JET carried out a GAP monitoring fieldtrip (San Miguel).



Photo 10: Mr. Asano, Mr. Nagahama, and Ms. Marcela from JET held a meeting with the Environmental Judge of San Miguel to shared the project's outputs (San Miguel).



Photo 11: Mr. Asano, Mr. Nagahama, and Ms. Marcela from JET had a meeting with the assistant of MINED Directorate in San Miguel to follow up the project's pedagogical proposal in the education curricula (MINED, San Miguel).



Photo 12: In the meeting with MINED, an Education technician was also invited to discuss about the pedagogical proposal and be able to follow up (MINED, San Miguel).



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El Salvador The Project for Integrated Wetland Management in Olomega and El Jocotal Lagoons

Photos of Activities (December, 2019)



Photo 1: Park rangers from MARN get ready for the last Water Quality monitoring of the year led by Ms. Leticia from JET (El Jocotal, San Miguel).



Photo 2: Mr. Isidro Flores, park ranger from MARN, takes parameters for the last Water Quality monitoring of the year led by Ms. Leticia from MARN (Olomega, San Miguel).



Photo 3: Mr. Daniel Alas from OIKOS and Ms. Marcela Lemus from JET monitored the SAF and SSP systems in Olomega plots (San Miguel).



Photo 4: Ms. Alicia Díaz from JET presented the Annual Report for Biodiversity Monitoring to MARN staffs and JET (MARN, San Salvador).



Photo 5: JET team and Mr. Garza from MARN held a meeting with Mr. Juan Hidalgo from Aqualimpia to discuss about the proposal to use water hyacinth in biogas production (MARN, San Salvador).



Photo 6: Mr. Tokue from JET presented his overall work in the project to MARN staff and the rest of the JET team (MARN, San Salvador).

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Photo 7: JET team and MARN staffs celebrated the work done by Mr. Yoshihiro Tokue during his four years in the project and recognized his valuable inputs for Zoning and Monitoring (San Salvador).



Photo 8: Mr. Asano, Mr. Yoshino and Ms. Marcela from JET participated in the GAP Graduation Ceremony (San Miguel).



Photo 9: Group photo of the participants at the GAP Graduation Ceremony where MARN, JICA, and Fundazucar took part (San Miguel).



Photo 10: Mr. Nagahama and Mr. Asano from JET participated in the second National Ramsar Committee meeting (San Salvador).



Photo 11: Group photo of Ramsar National Committee members and supporters such as JICA El Salvador (San Salvador).



Photo 12: Ms. Leticia Andino and Ms. Marcela Lemus from JET carried out the third sensitization workshop about the importance of birds for forests restoration and the necessity of forest fire prevention (San Miguel).



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El Salvador The Project for Integrated Wetland Management in Olomega and El Jocotal Lagoons

Photos of Activities (January, 2020)



Photo 1: Ms. Silvia and Ms. Marcela from JET carried out the monitoring of mango trees on the plot of Mr. Juan Machuca (Olomega, San Miguel).



Photo 2: Ms. Marcela carried out the monitoring of mango trees on the plot of Mr. Juan Pablo Bonilla (Calle Nueva, San Miguel).



Photo 3: Mr. Yanehashi, Ms. Marcela and Ms. Leticia from JET held the third awareness workshop about the importance of birds and the necessity for fire prevention (Cantón El Pital, San Miguel).



Photo 4: Mr. Yanehashi and Ms. Silvia from JET carried out a drone monitoring activity at El Jocotal lagoon (El Jocotal lagoon, San Miguel).



Photo 5: Mr. Yanehashi and Ms. Marcela from JET, along with Mr. Daniel from OIKOS carried out a drone monitoring activity at the SAF and SSP plots (El Jocotal, San Miguel).



Photo 6: Mr. Yanehashi and Ms. Marcela from JET carried out a drone monitoring activity in Las Morillas to monitor its restoration process (Las Morillas NPA, San Miguel).





Photo 7: Mr. Yanehashi and Ms. Marcela from JET, along with Mr. Daniel from OIKOS carried out a drone monitoring activity at the SAF and SSP systems (Olomega, San Miguel).



Photo 8: Ms. Silvia from JET assisted in the numbering activity of mango trees in Mr. Juan Pablo Bonilla's plot (Calle Nueva, San Miguel).



Photo 9: Mr. Daniel from JET assisted in the numbering activity of mango trees in Mr. Juan Pablo Bonilla's plot (Calle Nueva, San Miguel).



Photo 10: Mr. Daniel from OIKOS helped with the monitoring activity of the SAF & SSP systems in Mr. Pablo Machuca's plot (Olomega, San Miguel).



Photo 11: Ms. Silvia from JET went to Las Moritas to pay the personnel (San Miguel).



Photo 12: Ms. Marcela from JET went to Las Moritas to monitor the reforestation area (Las Moritas NPA, San Miguel).



El Salvador The Project for Integrated Wetland Management in Olomega and El Jocotal Lagoons  
Photos of Activities (February, 2020)



Photo 1: Mr. Daniel Cardoza from JET and Mr. Daniel Alas from Oikos, preparing fertilizer for mango trees at Mr. Machuca's SAF plots (Olomega).



Photo 2: Mr. Daniel Alas, from Oikos, measures the height of a mango tree for the records at Mr. Machuca's SAF plot (Olomega).



Photo 3: Ms. Marcela Lemus, from JET, presents results and progress about the project at the World Wetlands Day event prepared by GEF (CIFCO, San Salvador).



Photo 4: Mr. Daniel Alas, from Oikos, measuring the height of a mango tree after applying fertilizer at Mr. Bonilla's SAF plot (El Jocotal, San Miguel).



Photo 5: Mr. Daniel Cardoza, from JET, taking records and helping with instructions for fertilizer application to mango trees at Mr. Bonilla's plot (El Jocotal, San Miguel).



Photo 6: Ms. Silvia Fuentes and Ms. Marcela Lemus, from JET, went to Las Moritas to pay the local staff (Las Moritas, Guacala).





Photo 7: Ms. Leticia Andino, from JET, carried out a sensitization activity about fire prevention and the importance of birds in forest restoration (El Amate, San Miguel).



Photo 8: Ms. Silvia Fuentes, from JET, assisted in the sensitization activity about fire prevention and the importance of birds in forest restoration (El Amate, San Miguel).



Photo 9: Mr. Asano, Ms. Ebato, from JET, and Mr. Daniel Alas, from Oikos, visited Mr. Bonilla's SAF plots (El Jocotal).



Photo 10: Mr. Asano and Ms. Ebato, from JET, visited the Observation platform at El Jocotal lagoon (San Miguel).



Photo 11: Ms. Ebato and Mr. Asano visited the Ramsar Education Center (San Miguel).



Photo 12: Ms. Ebato and Mr. Asano, from JET, visited SAF and SSP plots in Olomega (La Unión).





Photo 13: Ms. Marcela Lemus, from JET, acting as MC at the World Wetlands Day commemoration in Olomega (El Carmen, La Unión).



Photo 14: Mr. Daniel Cardoza, from JET, presented the Wetland Management Plan of Olomega (El Carmen, La Unión).



Photo 15: Mr. Asano, from JET, and Ms. Georgina Mariona, from MARN, carried out the delivery of WMP of Olomega to El Carmen Mayor and a representative of San Miguel City Hall (El Carmen, La Unión).



Photo 16: Ms. Alicia Diaz, from JET, presented the results of Biodiversity monitoring in Olomega (El Carmen, La Unión).



Photo 17: Ms. Ebato delivers WMP El Jocotal at the World Wetlands Day event at EL Jocotal (San Miguel).



Photo 18: Ms. Ebato and Mr. Yoshino, from JET, visited SAF and SSP plots in Olomega (La Unión).



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El Salvador The Project for Integrated Wetland Management in Olomega and El Jocotal Lagoons

Photos of Activities (March, 2020)



Photo 1: Mrs. Alicia Díaz from JET gave a training to MARN park rangers at Güija for bird monitoring (Santa Ana).



Photo 2: Mrs. Leticia Andino from JET carried out a water quality monitoring in Güija and trained park rangers (Santa Ana).



Photo 3: Mrs. Silvia Fuentes and Dr. Yukio Nagahama from Jet with Mrs. Yesenia Peñate and Mr. Alex Tejada from MARN monitored invasive water plants in Metapán lagoon (Santa Ana).



Photo 4: Dr. Yukio Nagahama and Park rangers from MARN collected messages from visitors of El Jocotal Education Center (San Miguel).



Photo 5: Mrs. Marcela Lemus, Dr. Michiko Ebato from JET and Mrs. Rosalba Alvarenga from MARN had a meeting with MINED to discuss about Environmental Education programs (San Miguel).



Photo 6: Dr. Yukio Nagahama and Mrs. Marcela Lemus monitored Las Moritas using the drone to check damage by the forest fire (San Miguel).



El Salvador The Project for Integrated Wetland Management in Olomega and El Jocotal Lagoons  
Photos of Activities (April, 2020)



Photo 1: JICA Expert Team meeting to discuss current situations and work methodologies during the COVID-19 situation when Japanese Experts have to work from Japan.



Photo 2: Monitoring on silvopasture plot of Mr. Carranza. Grass CT-115 is recovering without irrigation in one of the most dry and the highest temperature month (San Miguel).



Photo 3: Monitoring on agroforestry plot of Mr. Bonilla. Mango tree is in good condition. The termite plague has been controlled (San Miguel).



Photo 4: Monitoring on silvopasture plot of Mr. Ramirez. Despite the dry conditions, Mulato II grass keep growing and recovering slowly (San Miguel).



Photo 5: Monitoring: on silvopasture plot of Mr. Guevara. Pasture CT-115 keep growing under the drought and hot conditions (San Miguel).



Photo 6: Ms. Marcela from JET had a meeting with Mr. Hidalgo from Aqua Limpia and personnel from MARN to discuss proposal about biogas production from water hyacinth.



El Salvador The Project for Integrated Wetland Management in Olomega and El Jocotal Lagoons  
Photos of Activities (May, 2020)



Photo 1: JICA Expert Team meeting to discuss current situations, work methodologies during the COVID-19 situation, progress of tasks and so on.

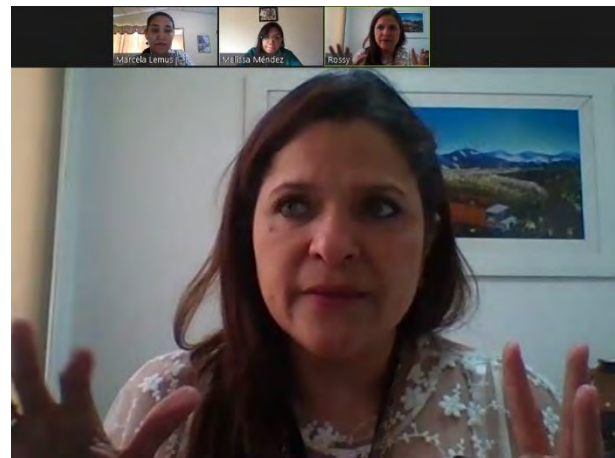


Photo 2: Ms. Marcela from JET had a meeting via Zoom with Ms. Rossy and Ms. Melissa from Fundazúcar to follow up the publication of methodological guides and GAP monitoring manual.



Photo 3: Mr. Juan Machuca, an owner of the agroforestry pilot plot preparing amino acids to make the foliar application for the mango trees (Olomega, El Carmen, La Unión)



Photo 4: Monitoring of the agroforestry plot of Mr. Juan Machuca (Olomega, El Carmen, La Unión)

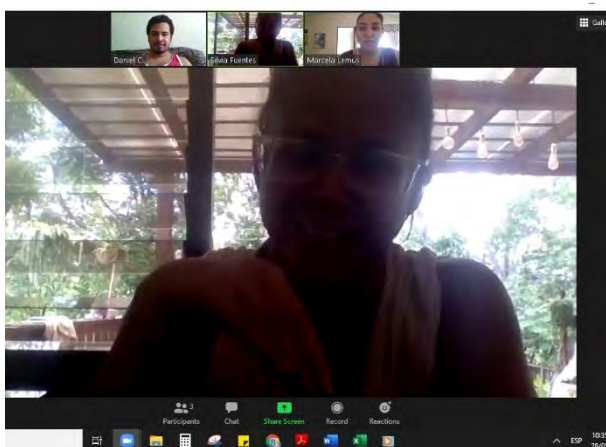


Photo 5: Ms. Silvia, Ms. Marcela, and Mr. Daniel from JET had a meeting via Zoom to update about Las Perillas agreements and get more instructions for the guide on the monitoring of Good Agricultural Practices.

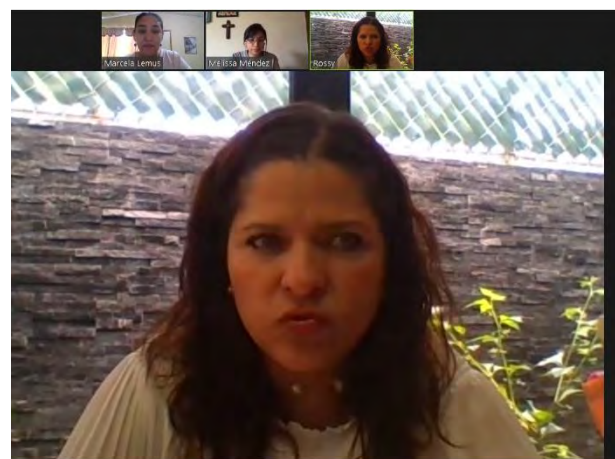


Photo 6: Ms. Marcela from JET had a meeting via Zoom with Ms. Rossy and Ms. Melissa from Fundazúcar to discuss the graphic line of the documents and update the monitoring manual.



El Salvador The Project for Integrated Wetland Management in Olomega and El Jocotal Lagoons  
Photos of Activities (June, 2020)

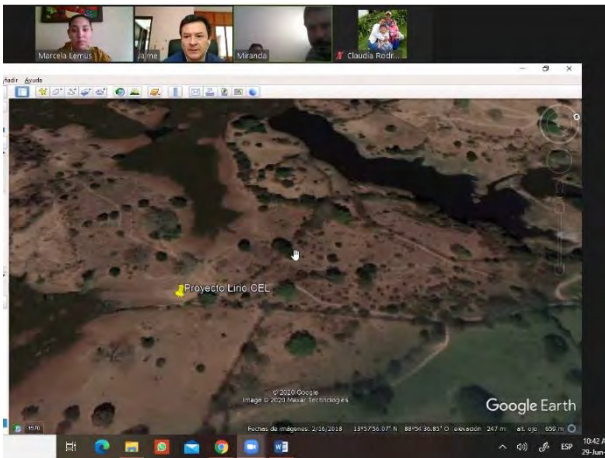


Photo 1: Ms. Marcela from JET had a meeting with Mr. Jaime and Ms. Claudia from MARN along with Mr. Juan Hidalgo from Aqua Limpia to discuss about biogas production.



Photo 2: Monitoring of the silvopasture plot of Mr. Jose Guevara with grass CT-115 in good conditions.



Photo 3: Mr. Maura Membreño's plot of Mulato II Grass in good conditions (El Jocotal, San Miguel).



Photo 4: Monitoring of the agroforestry plot of Mr. Juan Machuca after the clean of weeds (Olomega, El Carmen, La Unión).

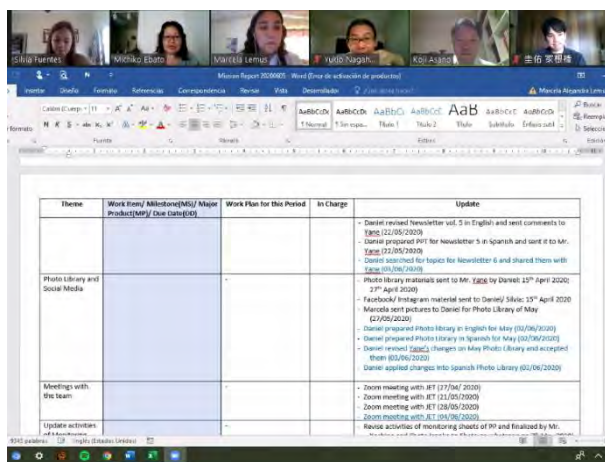


Photo 5: JET's weekly Zoom meeting to discuss the project advances and plan of future activities based on the report prepared by Ms. Marcela from JET (June 11&12, 2020)



Photo 6: JET members had a Zoom meeting to discuss project advances and future activities such as the General Assembly and Environmental Education Webinar with MARN.(June 18&19, 2020)



El Salvador The Project for Integrated Wetland Management in Olomega and El Jocotal Lagoons  
Photos of Activities (July, 2020)



Photo 1: JET weekly meeting to discuss the advances of each tasks and future activities, via Microsoft Teams.



Photo 2: Mrs. Silvia and Mrs. Marcela from JET assist with holing and staking before reforesting at Rio Grande de San Miguel (El Pajalar, San Miguel).

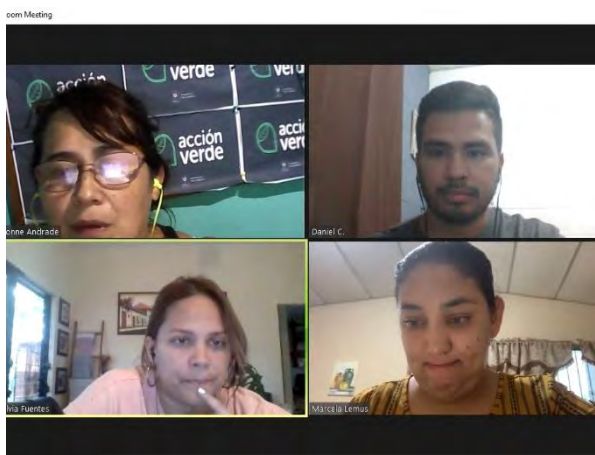


Photo 3: Local Staffs of JET had a Zoom meeting with Mrs. Ivonne from MARN to plan for the third and last Environmental Education webinar with University students.



Photo 4: Local Staffs of JET had a Zoom meeting to organize the field trip to San Miguel and other activities of the week.

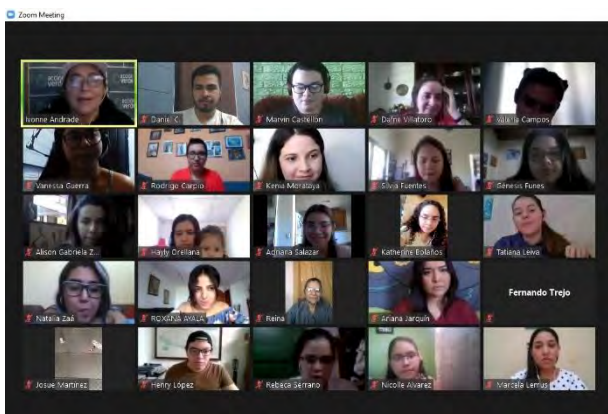


Photo 5: Local Staffs of JET participated in the three webinars about Environmental Education to provide information about the project to RIESSCA University students.



Photo 6: Mrs. Marcela and Mr. Daniel from JET assisting with reforestation at El Pajalar Farm (El Pajalar, San Miguel).

El Salvador The Project for Integrated Wetland Management in Olomega and El Jocotal Lagoons

Photos of Activities (August, 2020)

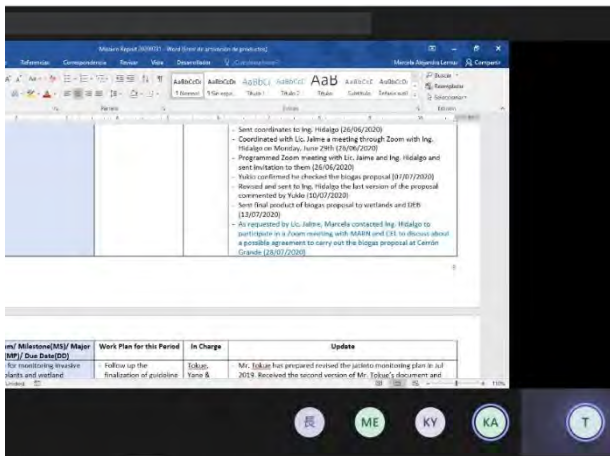


Photo 1: JET weekly meeting to discuss the advances of each tasks and future activities, via Microsoft Teams.



Photo 2: Mrs. Alicia Diaz from JET carried out a biodiversity monitoring at El Jocotal (San Miguel).

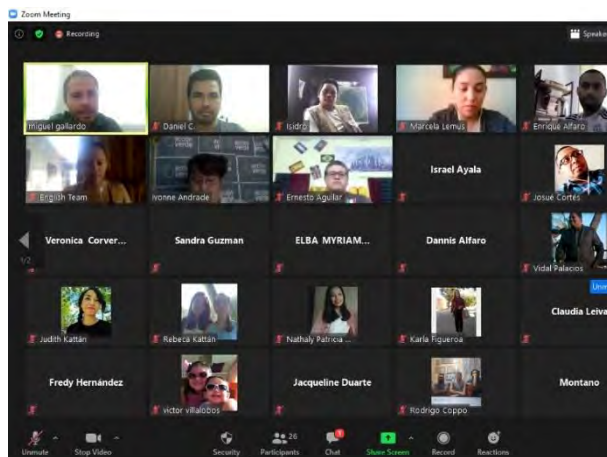


Photo 3: Local Staff of JET participated in the three webinars about Environmental Education to provide information about the project to Universidad Evangélica students.



Photo 4: Park ranger from MARN, Mr. Leodán, measuring freshwater clams at El Jocotal (San Miguel).



Photo 5: Park ranger from MARN, Mr. Saul, attracting swamp birds by using wildlife vocalizations from speaker for the biodiversity monitoring at El Jocotal (San Miguel).



Photo 6: Mrs. Alicia Diaz from JET conducting a biodiversity monitoring at Olomega lagoon (San Miguel).



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El Salvador The Project for Integrated Wetland Management in Olomega and El Jocotal Lagoons  
Photos of Activities (September, 2020)

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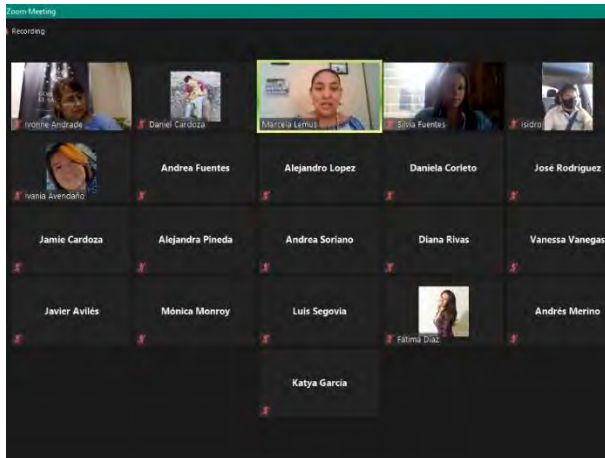


Photo 1: Salvadorean JET members supported Mrs. Andrade from MARN with a webinar on Environmental Education on September 9<sup>th</sup> (via Zoom).



Photo 2: Mrs. Silvia and Mrs. Marcela from JET and Mr. Daniel from OIKOS visited the beneficiaries of SSP and SAF to interview them about the participation to the pilot activities on September 11<sup>th</sup> (Calle Nueva, San Miguel).



Photo 3: Mrs. Marcela and Mr. Daniel from JET visited beneficiaries of SSP and SAF to interview them about the participation to the pilot activities on September 16<sup>th</sup> (Olomega, San Miguel).



Photo 4: Mrs. Alicia from JET conducted a monitoring of swamp birds in Olomega on September 2<sup>nd</sup> to 4<sup>th</sup> (Olomega lagoon, San Miguel)



Photo 5: Mr. Wilfredo from MARN and Mrs. Alicia from JET conducted a freshwater clam sampling for monitoring on September 10<sup>th</sup> to 11<sup>th</sup> (El Jocotal lagoon, San Miguel).



Photo 6: Mrs. Alicia from JET conducted a swamp bird and freshwater clam monitoring on September 17<sup>th</sup> to 18<sup>th</sup> (Olomega lagoon, San Miguel).



El Salvador The Project for Integrated Wetland Management in Olomega and El Jocotal Lagoons

Photos of Activities (October, 2020)



Photo 1: Mrs. Alicia from JET conducted the training to MARN park rangers about swamp birds monitoring on October 1<sup>st</sup> at El Jocotal Education Center (El Borbollón, San Miguel).



Photo 2: Mr. Wilfredo from JET conducted the raining to MARN park rangers about fish and freshwater clam monitoring on October 2<sup>nd</sup> at El Jocotal Education Center (El Borbollón, San Miguel).



Photo 3: Mrs. Marcela, Mr. Daniel from JET and Mr. Daniel from OIKOS visited beneficiaries of SSP and SAF to take drone pictures of the plots for comparison with past pictures on October 15<sup>th</sup> (El Jocotal, San Miguel).



Photo 4: Mrs. Silvia from JET conducted a supervision of payment to workers done by Mr. Salomón from Las Perlas and Mr. Jesús from ADESCO, on October 15<sup>th</sup> (El Jocotal, San Miguel)



Photo 5: Mr. Miguel, MARN park ranger conducted a water quality monitoring in El Jocotal lagoon with Mrs. Leticia and Mr. Daniel from JET on October 22<sup>nd</sup> (El Jocotal lagoon, San Miguel).



Photo 6: Mrs. Leticia and Mr. Daniel from JET conducted a water quality monitoring with MARN park ranger Mr. Amílcar, in Olomega lagoon on October 23<sup>rd</sup> (Olomega lagoon, San Miguel).



Photo 7: Mrs. Marcela and Mrs. Silvia from JET visited Las Mmoritas to check cleaning of the area on October 30<sup>th</sup> (Las Moritas, San Miguel).



Photo 8: Mrs. Silvia from JET conducted a supervision of payment to workers done by Mr. Salomón from Las Perillas and Mr. Jesús from ADESCO, on October 30<sup>th</sup> (El Jocotal, San Miguel)



El Salvador The Project for Integrated Wetland Management in Olomega and El Jocotal Lagoons

Photos of Activities (November, 2020)



Photo 1: Mr. Juan Perla, Las Perlas CEO and Mr. Fernando López, Minister of MARN, signed an agreement on November 13<sup>th</sup>, 2020 (MARN, San Salvador).



Photo 2: Group official photo of MARN-Las Perlas Agreement with Las Perlas, MARN, and JET representatives on November 13<sup>th</sup>, 2020 (MARN, San Salvador).



Photo 3: Ms. Silvia Fuentes from JET hold the training to park rangers on the maintenance of the Biodiversity Platform on November 23<sup>rd</sup> (El Borbollón, San Miguel).



Photo 4: Ms. Marcela Lemus from JET is discussing and planning future sensitization activities for communities on November 23<sup>rd</sup> (El Borbollón, San Miguel).



Photo 5: Ms. Silvia Fuentes from JET is conducting equipment and furniture inventory at El Jocotal Education Center on November 23<sup>rd</sup> (El Borbollón, San Miguel).



Photo 6: Ms. Silvia Fuentes from JET helped Mr. Jesús, Community Leader, with the collection of documents from workers for weeding and cleaning on November 25<sup>th</sup> (Loma Pacha, San Miguel).



El Salvador The Project for Integrated Wetland Management in Olomega and El Jocotal Lagoons

Photos of Activities (December, 2020)



Photo 1: Ms. Leticia Andino from JET presented advances of CEPA2020 at the 3<sup>rd</sup> National Wetland Management Committee meeting on December 15<sup>th</sup> (Círculo Militar, San Salvador).



Photo 2: Official group photo of the 3<sup>rd</sup> National Wetland Management Committee meeting attendees with Minister Fernando López from MARN on December 15<sup>th</sup> (Círculo Militar, San Salvador).



Photo 3: Ms. Silvia Fuentes from JET presented an introduction about the project and its goals to the new community for the sensitization activities on December 16<sup>th</sup> (El Delirio, San Miguel)



Photo 4: Ms. Rosalba Alvarenga from MARN gave the sensitization session on fire prevention and Las Moritas natural protected area conservation on December 16<sup>th</sup> (El Delirio, San Miguel).



Photo 5: Mr. Daniel Cardoza from JET took attendance and sanitized participants before the sensitization session to the new community on December 17<sup>th</sup> (El Jobo, San Miguel)



Photo 6: Mr. Amílcar López, park ranger from MARN, gave the sensitization session on fire prevention and Las Moritas natural protected area conservation on December 17<sup>th</sup> (El Jobo, San Miguel).



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El Salvador The Project for Integrated Wetland Management in Olomega and El Jocotal Lagoons

Photos of Activities (January, 2021)



Photo 1: Mr. Daniel Alas from JET carried out a monitoring at Mr. Juan Pablo Bonilla's Agroforestry pilot plot on January 13<sup>th</sup> (El Jocotal, San Miguel).



Photo 2: Mr. Daniel Alas from JET carried out a monitoring at Mrs. Maura Membreño's Silvopasture pilot plot on January 14<sup>th</sup> (El Jocotal, San Miguel).



Photo 3: Mr. Daniel Alas from JET carried out a monitoring at Mr. Juan Machuca's Agroforestry pilot plot on January 18<sup>th</sup> (Olomega, San Miguel).

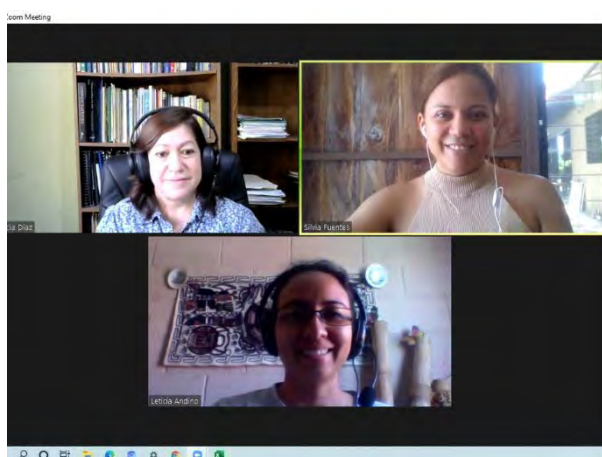


Photo 4: Mrs. Silvia Fuentes from JET had a meeting on January 18<sup>th</sup> with Mrs. Leticia and Mrs. Alicia from JET to coordinate event for World Wetland Day (via Zoom).



Photo 5: Mr. Daniel Alas from JET carried out a monitoring at Mr. Matías Ramírez Silvopasture pilot plot on January 19<sup>th</sup> (Olomega, San Miguel).



Photo 6: Mr. Daniel Alas from JET carried out a monitoring at Mr. Pablo Carranza's Silvopasture pilot plot on January 26<sup>th</sup> (El Jocotal, San Miguel).



El Salvador The Project for Integrated Wetland Management in Olomega and El Jocotal Lagoons  
 Photos of Activities (February, 2021)



Photo 1: Fire break gap maintenance started under MARN-Las Perillas agreement and the support from the project on February 1<sup>st</sup>, 2021. (Las Moritas, San Miguel).

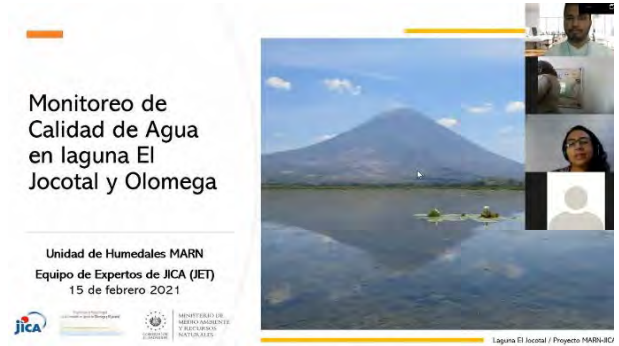


Photo 2: Mrs. Leticia from JET gave a presentation about Water Quality Monitoring in the Webinar of World Wetland Day on February 15<sup>th</sup> (via Zoom).



Photo 3: Mrs. Alicia from JET gave a presentation about Swamp Bird monitoring in the Webinar of World Wetland Day on February 15<sup>th</sup> (via Zoom).



Photo 4: Mr. Jesús Chacón, from ADESCOs carried out the tree survival monitoring in the projects plot area under the MARN-Las Perillas agreement on February 20<sup>th</sup> (Las Moritas, San Miguel).



Photo 5: The fire break gap began to be implemented under the MARN-Campestre agreement on February 23<sup>rd</sup> (Las Moritas, San Miguel).



Photo 6: Mrs. Rosalba from MARN, Mr. Daniel from JET, and Mr. Jimmy Gómez and his team from Grupo Campestre visited Loma Pacha to study the area and define next steps to restore the area on February 26<sup>th</sup> (Las Moritas, San Miguel).



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El Salvador The Project for Integrated Wetland Management in Olomega and El Jocotal Lagoons

Photos of Activities (March, 2021)



Photo 1: Ms. Leticia and Mr. Daniel from JET and MARN park rangers went to Güija Lake to carry out water quality monitoring on March 4<sup>th</sup>, though the monitoring was cancelled due to high tides and wind (Metapán, Santa Ana).



Photo 2: Ms. Leticia from JET gave a training on Water Quality Monitoring to park rangers from MARN and FIAES on March 4<sup>th</sup> (Metapán, Santa Ana).



Photo 3: Mr. Daniel Alas from JET monitored Mr. Juan Pablo Bonilla's SAF plot on March 2<sup>nd</sup> (El Jocotal, San Miguel).



Photo 4: Mr. Daniel Alas from JET monitored Ms. Maura Membreno's SSP plot on March 8<sup>th</sup> (El Jocotal, San Miguel).



Photo 5: MARN Park rangers from Güija Lake carried out water quality monitoring on March 16<sup>th</sup> based on Ms. Leticia's instruction (Metapán, Santa Ana).



Photo 6: Mr. Daniel Alas from JET monitored Mr. Juan Machuca's SAF plot on March 16<sup>th</sup> (Olomega, San Miguel).





Photo 7: Mr. Daniel Alas from JET monitored Mr. Pablo Carranza's SSP plot on March 16<sup>th</sup> (El Jocotal, San Miguel).



Photo 8: Mr. Daniel Alas from JET monitored Mr. José Guevara's SSP plot on March 19<sup>th</sup> (El Jocotal, San Miguel).



Photo 9: Mr. Daniel Alas from JET monitored Mr. Matias Ramírez's SSP plot on March 23<sup>rd</sup> (Olomega, San Miguel).



Photo 10: Ms. Silvia Fuentes from JET went to Güija Lake to pick up the tool box for Water Quality Monitoring on March 23<sup>rd</sup> (Metapán, Santa Ana).



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El Salvador The Project for Integrated Wetland Management in Olomega and El Jocotal Lagoons

Photos of Activities (April, 2021)



Photo 1: Mr. Daniel Alas from JET monitored Mr. Juan Pablo Bonilla's agroforestry pilot plot on April 6<sup>th</sup> (El Jocotal, San Miguel).



Photo 2: Mr. David from JET trained the new board of directors of El Jocotal local wetland committee on April 13<sup>th</sup> (El Jocotal, San Miguel).



Photo 3: Mr. Daniel Alas from JET monitored Ms. Maura Membreño's silvopasture pilot plot on April 14<sup>th</sup> (El Jocotal, San Miguel).



Photo 4: Mr. David from JET trained the new board of directors of Olomega local wetland committee on April 15<sup>th</sup> (Gobernación, San Miguel).



Photo 5: Mr. Daniel Alas from JET monitored Mr. Juan Machuca's agroforestry pilot plot on April 16<sup>th</sup> (Olomega, San Miguel).



Photo 6: Mr. Daniel Alas from JET monitored Mr. Pablo Carranza's silvopasture pilot plot on April 21<sup>st</sup> (El Jocotal, San Miguel).





Photo 7: Ms. Leticia Andino from JET along with park ranger from MARN carried out a water quality monitoring at El Jocotal lagoon on April 23<sup>rd</sup> (El Borbollón, San Miguel).



Photo 8: Mr. Daniel Alas from JET monitored Mr. José Guevara's silvopasture pilot plot on April 27<sup>th</sup> (El Jocotal, San Miguel).



Photo 9: Ms. Leticia Andino from JET along with park ranger from MARN carried out a water quality monitoring at Olomega lagoon on April 27<sup>th</sup> (Olomega, San Miguel).



Photo 10: Mr. Daniel Alas from JET monitored Mr. Matías Ramírez's silvopasture pilot plot on April 28<sup>th</sup> (Olomega, San Miguel).



Photo 11: Ms. Alicia from JET conducted a training to community members about invasive species for Community Guides in El Jocotal on April 29<sup>th</sup> (El Jocotal Ramsar Education Center, San Miguel).



Photo 12: Tour around the lagoon directed by Ms. Leticia and Ms. Alicia from JET as part of the Community Guides training on April 29<sup>th</sup> (El Jocotal, San Miguel).



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El Salvador The Project for Integrated Wetland Management in Olomega and El Jocotal Lagoons

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Photos of Activities (May, 2021)



Photo 1: Ms. Leticia and Ms. Alicia from JET with Olomega trainees for Community Guides on May 05<sup>th</sup> (Olomega, San Miguel).



Photo 2: Mr. Daniel Alas from JET monitored Mr. Pablo Carranza's silvopasture pilot plot on May 05<sup>th</sup> (El Jocotal, San Miguel).



Photo 3: Las Perlas initiated remodeling of the reservoir with metallic materials for longer life in NPA Las Moritas on May 07<sup>th</sup> (Las Moritas, San Miguel).



Photo 4: Mr. Daniel Alas from JET monitored Mr. José Guevara's silvopasture pilot plot on May 07<sup>th</sup> (El Jocotal, San Miguel).



Photo 5: Group photo with JET, MARN, and ISCOS-UE staff at the Exchange of Experiences of the National Ramsar Committee on May 12<sup>th</sup> (Circulo Militar, San Salvador).



Photo 6: Mr. Daniel Alas from JET monitored Mr. Juan Machuca's agroforestry pilot plot on May 17<sup>th</sup> (Olomega, San Miguel).

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Photo 7: Ms. Alicia from JET carried out a biodiversity monitoring at El Jocotal lagoon with park ranger from MARN on May 20<sup>th</sup> (El Jocotal, San Miguel).



Photo 8: Mr. Leodán López, park ranger from MARN, measuring a freshwater clam during the biodiversity monitoring with Alicia Díaz on May 21<sup>st</sup> (El Jocotal, San Miguel).



Photo 9: Mr. Daniel Alas from JET monitored Mr. Pablo Bonilla's agroforestry pilot plot on May 26<sup>th</sup> (El Jocotal, San Miguel).



Photo 10: Mr. Saúl Guzmán, park ranger from MARN, registering swamp birds during biodiversity monitoring with Ms. Alicia from JET on May 27<sup>th</sup> (Olomega, San Miguel).



Photo 11: Mr. Daniel Alas from JET monitored Ms. Maura Membreño's silvopasture pilot plot on May 25<sup>th</sup> (El Jocotal, San Miguel).



Photo 12: Mr. Daniel Alas from JET monitored Mr. Matías Ramírez's silvopasture pilot plot on May 28<sup>th</sup> (Olomega, San Miguel).



El Salvador The Project for Integrated Wetland Management in Olomega and El Jocotal Lagoons

Photos of Activities (June, 2021)



Photo 1: Ms. Alicia from JET carried out a biodiversity monitoring in El Jocotal on June 3<sup>rd</sup> and 4<sup>th</sup> (San Miguel).



Photo 2: Mr. Daniel Alas and Daniel Cardoza from JET carried out a drone monitoring at Las Moritas on June 8<sup>th</sup> (San Miguel).



Photo 3: Ms. Alicia from JET carried out a biodiversity monitoring in Olomega on June 10<sup>th</sup> and 11<sup>th</sup> (San Miguel).



Photo 4: Mr. Daniel Cardoza from JET assisted on second National Ramsar Committee with ISCOS-UE to discuss problematics of Ramsar wetlands on June 11<sup>th</sup> (Santiago Nonualco, La Paz).



Photo 5: Mr. Yukio Nagahama, Ms. Silvia Fuente and Mr. Daniel Cardoza from JET had a meeting via Zoom with Ms. Alma Barahona from MARN to discuss water cycle game distribution on June 15<sup>th</sup> (Virtually).



Photo 6: Ms. Alicia from JET and a park ranger from MARN carried out a biodiversity monitoring in El Jocotal on June 17<sup>th</sup> and 18<sup>th</sup> (San Miguel).





Photo 7: Mr. Amilcar López from MARN gave an awareness session about GAP and restoration of gallery forest in río Grande de San Miguel in Gualuca 1 community on June 23<sup>rd</sup> (San Miguel).



Photo 8: Mr. Saul Guzmán from MARN assisted Mr. Alicia from JET to carry out a biodiversity monitoring in Olomega on June 24<sup>th</sup> and 25<sup>th</sup> (San Miguel).



Photo 9: Mr. Amilcar López from MARN and Mr. Daniel Cardoza from JET carried out an awareness session about GAP and restoration of gallery forest in río Grande de San Miguel in Gualuca 2 community on June 25<sup>th</sup> (San Miguel).



Photo 10: Grupo Campestre initiated fencing activity at Loma Pacha on June 26<sup>th</sup> (Las Moritas, San Miguel).



Photo 11: Mr. Amilcar López from MARN and Mr. Daniel Cardoza from JET carried out an awareness session about GAP and restoration of gallery forest in río Grande de San Miguel in El Herido community on June 29<sup>th</sup> (San Miguel).



Photo 12: Mr. Amilcar López from MARN and Mr. Daniel Cardoza from JET carried out an awareness session about GAP and restoration of gallery forest in río Grande de San Miguel in El Brazo community on June 30<sup>th</sup> (San Miguel).



El Salvador The Project for Integrated Wetland Management in Olomega and El Jocotal Lagoons

Photos of Activities (July, 2021)



Photo 1: Mr. Daniel Cardoza from JET giving the workshop about Good Agricultural Practices (GAP) in Casa Mola on July 2<sup>nd</sup> (San Miguel).



Photo 2: Mr. Amilcar López from MARN giving the workshop about GAP in El Pital on July 5<sup>th</sup> (San Miguel).



Photo 3: Mr. Saúl Guzmán from MARN carrying out water quality monitoring with the help of Ms. Leticia from JET on July 13<sup>th</sup> (El Jocotal, San Miguel).



Photo 4: Mr. Isidro Flores from MARN carrying out water quality monitoring with the help of Ms. Leticia from JET on July 14<sup>th</sup> (Olomega, San Miguel).



Photo 5: Mr. Daniel Alas from JET monitored Mr. Matías Ramírez's silvopasture plot on July 15<sup>th</sup> (San Miguel).



Photo 6: Mr. Daniel Alas from JET monitored Mr. Juan Machuca's agroforestry plot on July 19<sup>th</sup> (San Miguel).





Photo 7: Ms. Silvia Fuentes and Mr. David Castillo from JET had a meeting with Mr. Jaime from MARN on July 20<sup>th</sup> to coordinate the formation of the Ramsar Local Committee for Guija (San Salvador).



Photo 8: Mr. Daniel Alas from JET monitored Mr. Pablo Carranza's silvopasture plot on July 21<sup>st</sup> (San Miguel).



Photo 9: Mr. Amílcar López from MARN and Mr. Daniel Cardoza from JET giving the workshop about GAP in San Carlos El Amate community on July 23<sup>rd</sup> (San Miguel).



Photo 10: Mr. Daniel Alas from JET monitored Mr. Pablo Bonilla's agroforestry plot on July 23<sup>rd</sup> (San Miguel).



Photo 11: Mr. Daniel Alas from JET monitored Mr. José Guevara's silvopasture plot on July 28<sup>th</sup> (San Miguel).



Photo 12: Ms. Silvia Fuentes and Mr. David Castillo from JET assisted in the legalization of the Ramsar Local Committee for Guija on July 30<sup>th</sup> (Santa Ana).



## 資料編 1

### A-2 PDM に基づいた成果の達成状況

## A-1 プロジェクトの成果一覧（PDMに基づいた成果の達成状況）

### A-1.1 達成度グリッド I（PDM ver. 2 指標に基づいた実績の整理）

Narrative Summary	Indicators	Status as of Mid-Term (September 2018)	Status as of the Project Completion Report (January 2021)	Additions as of the End of the Project Period
<p><b>【Overall Goal】</b> The model approach developed based on experiences at Olomega and El Jocotal Lagoons is actually applied in practice in El Salvador.</p>	<p>The model approach is used in at least one (1) additional Ramsar Site other than the project site in El Salvador.</p>		<p><b>Partly achieved</b></p> <ul style="list-style-type: none"> <li>- The project assisted in forming local wetland committees in other Ramsar wetlands in El Salvador. Water quality monitoring and biodiversity monitoring methods have been officially adopted by MARN, which are used in other Ramsar wetlands. The educational materials for wetland education (water cycle game) were also shared with schools around the other Ramsar wetlands. Furthermore, JET has transferred practical knowledge on sustainable wetland management to MARN and national wetland committees, which can be applied in other Ramsar sites in El Salvador.</li> </ul>	<p><b>Partly achieved</b> JET has continued to transfer skills and knowledge of sustainable wetland management in Guija, Metapan and Cerrón Grande, provided support for biomass utilization for power generation for Guija. The project also supported in conducting local wetland committee members election in other Ramsar sites.</p>
<p><b>【Project Purpose】</b> An institutional framework to ensure integrated management of Olomega and El Jocotal Lagoons is developed, as a model approach, to promote conservation and wise use of wetlands in El Salvador.</p>	<p>1. The approaches and strategies practiced in Olomega and El Jocotal Lagoons are officially recognized by MARN as a practical model for integrated wetland management in El Salvador.</p>	<ul style="list-style-type: none"> <li>- The Wetland Unit of MARN acknowledges that the project has become a practical model for integrated wetland management in El Salvador. As a result, the project assisted formation of five local wetland committees in other Ramsar Sites.</li> </ul>	<p><b>Achieved:</b></p> <ul style="list-style-type: none"> <li>- The Wetland unit of MARN acknowledges that the project became a practical model for integrated wetland management in El Salvador. This can be confirmed from the project achievements including official recognition of wetland management plans, manual for water quality monitoring, manual for biodiversity monitoring, and sharing of environmental education material in other wetland areas. Furthermore, JET has given technical guidance for the rangers in Guija.</li> <li>- The project assisted in establishment and smooth operation of the National Wetland Committee. Internal regulations for National Committee (by-law) were also prepared as shown in the achievement of Output 1-2.</li> </ul>	-
	<p>2. Experience and lessons learned in the Project are reflected at the policy papers (e.g. presidential decree, ministerial decree, resolution, etc.).</p>	<ul style="list-style-type: none"> <li>- The project has been working closely with MARN and National Wetland Committee. As the experiences and lessons learned are generated, such will be reflected in the policy documents in the later stage of the project as required.</li> </ul>	<p><b>Achieved:</b></p> <ul style="list-style-type: none"> <li>- As reported under Output 1, decrees, legal documents, operational guidelines for national and local wetland committees and CEPA have been developed and officially recognized and adopted by MARN. In addition to these official documents, experiences and lessons learned in the Project have been shared with MARN from time to time and thus, incorporated into the management of other Ramsar wetlands by MARN in various aspects.</li> </ul>	-
<p><b>【Output】</b></p> <p>1. An institutionally cross-cutting wetland management mechanism with the Wetland Unit of the MARN as the central coordination body is strengthened.</p>	<p>1-1. The Wetland Committee organizes a meeting at least once a year at the national level and once in 6 months at the local level.</p>	<ul style="list-style-type: none"> <li>- <b>National Wetland Committee:</b> The project facilitated the establishment of National Wetland Committee. Decree No.54, "Creation of National Wetland Committee", was gazetted (No.170, Volume No.412 dated 14 Sep 2016). As per the provisions of the decree, a set of relevant documents were prepared through a series of meetings/ discussions. As a result, internal regulation (by-law) was prepared, which was equivalent to the operational guidelines for the committee.</li> <li>- <b>Local Committees:</b> For establishing local committees, JET has visited the target municipalities several times and discussed on the concept of wetland management</li> </ul>	<p><b>Achieved:</b></p> <ul style="list-style-type: none"> <li>- <b>National Wetland Committee:</b> Meetings of the National Wetland Committee was held up to December 2019. Meeting scheduled in April 2019 was postponed due to presidential election and conducted in December 2019. As for the 3<sup>rd</sup> meeting, MARN and JET had a series of dialogues on how to conduct the 3<sup>rd</sup> meeting under COVID-19 pandemic in the country and was held in December 2020.</li> <li>- JET also assisted in selection of the vacant posts of the National Ramsar Committee (National Focal Point to Ramsar Convention, National Coordinator for CEPA (one for governmental and one for non-governmental) in October 2018.</li> <li>- <b>Local Committees:</b> The meetings of the Local Committees were conducted on a regular basis up to December 2019. (3<sup>rd</sup></li> </ul>	<ul style="list-style-type: none"> <li>- JET continued to extend support for Ramsar national and local committees to operate in spite of the challenges posed by COVID-19.</li> <li>- JET assisted the local Ramsar committees (El Jocotal) to hold electronic voting so that the members can local wetland committees can continue to operate. The procedure was designed by JET and successfully conducted. (El Jocotal on 25<sup>th</sup> March 2020; Olomega 26<sup>th</sup> August 2020).</li> </ul>

Narrative Summary	Indicators	Status as of Mid-Term (September 2018)	Status as of the Project Completion Report (January 2021)	Additions as of the End of the Project Period
		<p>committee. A workshop was also held to discuss on the draft ministerial decree and the draft guideline for establishing local committees in San Miguel. (70 persons participated/ 27 Sep 2016).</p> <ul style="list-style-type: none"> <li>- The official oath taking of the board members of two target Ramsar sites in the presence of Minister and the representatives of JICA was held on 27 March 2017. All the internal Regulations were formally signed by all the members of Juntas Directivas (May 2017)</li> </ul>	<p>General Assembly on 18<sup>th</sup> December 2018; 4<sup>th</sup> General Assembly on 10<sup>th</sup> September 2019).</p>	
	<p>1-2. The National Wetland Committee discusses the data, management plans and monitoring of the wetlands, and etc. to make collective adaptive management decision.</p>	<ul style="list-style-type: none"> <li>- A workshop was held to discuss on the wetland management plan (6 Dec 2017).</li> </ul>	<p><b>Achieved:</b></p> <ul style="list-style-type: none"> <li>- JET continued to assist the National Wetland Committee to organize meetings to review and monitor the status of wetland management and CEPA in El Salvador.</li> </ul>	-
	<p>1-3. The Local Wetland Committees analyze information and solicit necessary consultation to the National Wetland Committee.</p>	<ul style="list-style-type: none"> <li>- Relevant data was shared with the local committee for review and discussion.</li> <li>- Local level workshops were held to discuss and finalize the wetland management plan in San Miguel. (12 Dec 2017)</li> <li>- Local committee presidents attended the 2nd National Wetland Committee Meetings (13 Jun 2017)</li> </ul>	<p><b>Achieved:</b></p> <ul style="list-style-type: none"> <li>- JET assisted the local committees to hold meetings and monitor the status of wetland management in Olomega and El Jocotal. The local committee members of 2 sites discussed what supports are required from the National Wetland Committee to advance the wetland management activities.</li> </ul>	-
	<p>1-4. Data required to update Ramsar Information Sheet (RIS) is accumulated at Wetland Unit.</p>	<ul style="list-style-type: none"> <li>- Various secondary information and data were collected and analyzed (e.g. ecosystem &amp; biodiversity, policy &amp; development plan, hydrology &amp; flood history, water quality, land tenure &amp; land use, socio-economy, departmental, municipal, and local level governance, and administration related). Biodiversity survey was conducted to supplement the data required to update RIS. Based on information and data gathered, RISs for Jocotal and Olomega lakes were updated in Aug 2017.</li> <li>- In Jun 2018, MARN staff uploaded the updated RIS on the Ramsar Secretariat website.</li> </ul>	<p><b>Achieved:</b></p> <ul style="list-style-type: none"> <li>- Achieved by Jun 2018.</li> </ul>	-
<p>2. Wetland Management Plans including zoning with the local communities around Olomega, and El Jocotal Lagoons are developed.</p>	<p>2.1 The Wetland Management Plans are approved by MARN.</p>	<ul style="list-style-type: none"> <li>- The draft plan was finalized in Dec 2017. Consultation process with MARN technical team and the local committees continued.</li> <li>- Discussion on the formalization procedure has been continued. The project continued to work to officialize the plan in appropriate timing.</li> </ul>	<p><b>Achieved:</b></p> <ul style="list-style-type: none"> <li>- The final revision by MARN's technical team was completed in March 2019 and finalized in December 2019. The wetland management plans for Olomega and El Jocotal were officially approved by MARN vide Ministerial Accord No. 07 for Wetland Management Plan of Olomega Lagoon dated 10<sup>th</sup> January 2020 and vide Ministerial Accord No. 33 for Wetland Management Plan of Jocotal Lagoon dated 5<sup>th</sup> February 2020.</li> <li>- The wetland management plans were subsequently published on the website and 50 copies each for Olomega and El Jocotal</li> </ul>	-



Narrative Summary	Indicators	Status as of Mid-Term (September 2018)	Status as of the Project Completion Report (January 2021)	Additions as of the End of the Project Period
			were printed.	
<p>3. Pilot activities based on the characteristics of Olomega and El Jocotal Lagoons are implemented as partial implementation of the management plans.</p>	<p>3-1. The financial mechanism to maintain sustainability and replicability are demonstrated in the pilot activities.</p>	<ul style="list-style-type: none"> <li>- Four pilot projects were selected out of Wetland Management Plans as below. PP-1:Improvement of wetland ecosystems and wildlife habitat of El Jocotal and Olomega lagoons PP-2: Environment education, communication, and value addition of wetland PP-3: Reducing disaster risk in ecosystems to address adaptation to climate change PP-4: Gap for sugarcane to reduce negative environmental impact</li> <li>- PP-1 and PP-2 were developed as these activities are within the mandate of MARN. The project outputs will be maintained and also replicated by MARN's budgetary arrangement.</li> <li>- PP-3 and PP-4 included the element of private sector engagement in implementation of the activities. As for PP-3, both the farm land and ANP Las Moritas in the riparian area of two lagoons were chosen for piloting the appropriate land use methods and reforestation. Especially for reforestation in ANP Las Moritas was visualized to be implemented with support from the private sector. PP-4 program itself was carried out in collaboration with FUNDAZUCAR, which is a sugarcane producers' organization. Thus, the program can further be continued by FUNDAZUCAR.</li> </ul>	<p><b>Achieved:</b> <u>Financial mechanism for sustainability:</u></p> <ul style="list-style-type: none"> <li>- <u>PP-1:Improvement of wetland ecosystems and wildlife habitat of El Jocotal and Olomega lagoons</u>: Utilization of water hyacinth to generate power at the sugarcane mills were attempted, which was found out to be not feasible. JET continued to explore the options and assisted MARN to develop a technical proposal for Aqualimpia for the similar intervention. Furthermore, the water quality and invasive species monitoring activities are within the mandate of MARN and thus, financial sustainability is secured.</li> <li>- <u>PP-2: Environment education, communication and educational</u>: The pilot activities were planned within the purview of the MARN's mandate. Thus, the activities can be considered financially sustainable.</li> <li>- <u>PP-3:Reducing disaster risk in ecosystems to address adaptation to climate change</u>: The financial support from the private sector was secured for reforestation activities in ANP Las Moritas from Las Perlitas during the project period. Pollo Campestre also joined in the effort which will continue beyond the project period. Las Perlitas also extended the period of support for activity in Las Moritas ANP after the project completion.</li> <li>- <u>PP-4: GAP for sugarcane to reduce negative environmental impact</u>: The pilot project has been developed from the beginning to be jointly implemented by FUNDAZUCAR, a private sugarcane growers association in El Salvador. Promoting sustainable sugarcane production and monitoring the environmental impacts and safeguard the health and safety of the growers are the part of the mandate of the organization. Thus, the product of the project – GAP manual/ guide will be continued to be utilized and thus, it is financially viable.</li> </ul> <p><u>Replicability:</u></p> <ul style="list-style-type: none"> <li>- <u>PP-1:Improvement of wetland ecosystems and wildlife habitat of El Jocotal and Olomega lagoons</u>: Water quality monitoring was applied in Lagoona Guija. Control of invasive species is planned to be carried out in Metapan lagoon.</li> <li>- <u>PP-2: Environment education, communication and educational</u>: The materials developed for environmental education were shared with other wetlands. Bird monitoring training was also carried out for Guija lagoon park rangers as capacity building.</li> </ul>	

Narrative Summary	Indicators	Status as of Mid-Term (September 2018)	Status as of the Project Completion Report (January 2021)	Additions as of the End of the Project Period
	<p>3-2. Awareness among the 50% of the community members participating in the pilot activities towards wetland conservation is improved.</p>	<p>- In the planning and implementation stage of pilot activities, awareness in the participating communities has been raised through various local workshops and stakeholder meetings.</p>	<p>- <u>PP-3: Reducing disaster risk in ecosystems to address adaptation to climate change</u>: The manual of silvopasture will be used in the JICA assisted San Miguel by-pass project.</p> <p>- <u>PP-4: GAP for sugarcane to reduce negative environmental impact</u>: The manuals developed for promoting GAP will be used by FUNDAZUCAR.</p> <p><b>Achieved:</b></p> <p><u>PP-1: Improvement of wetland ecosystems and wildlife habitat of El Jocotal and Olomega lagoons</u></p> <p>- While conducting water quality monitoring, the park rangers were involved. As they got the hands-on experience in water quality monitoring, they became interested in the changes in the water quality. As the monitoring results indicated that the water quality near the houses was found out to be unsuitable for swimming, MARN staff also became more aware of the importance of the drainage water control.</p> <p>- As for the monitoring of the invasive exotic plants monitoring, fishermen in the locality took part. One of the participants became aware of the importance of wetland ecosystem conservation and now joined another wetland conservation project in El Jocotal as a park ranger.</p> <p><u>PP-2: Environmental education, communication, and value addition of wetland</u></p> <p>- The park rangers took part in biodiversity monitoring. In the process, they became more aware of the changes in the ecosystem in the wetland. After getting such field experiences, they started to report the changes in the exotic species whenever JET visited the El Jocotal office.</p> <p>- After the training of the park rangers on how to guide the visitors at El Jocotal, they gained in-depth knowledge of the exhibition materials, and biodiversity and ecosystem of El Jocotal. Thus, they are now fully equipped to provide detailed explanation of the wetland ecosystem in El Jocotal with confidence.</p> <p>- 51% of the visitors to El Jocotal left the messages on the message board at the El Jocotal Ramsar Education Center indicating the need for the conservation/ protection of wetland. The rest of the visitors stated that they discovered the rich heritage of the flora and fauna in the lagoon and admired its beauty (Based on the analysis of the messages left by the visitors to Ramsar Environment Education Complex at El Jocotal).</p> <p><u>PP-3: Reducing disaster risk in ecosystems to address adaptation to climate change</u></p> <p>- The community members who took part in the reforestation activities in Las Moritas. A series of awareness campaign were conducted. As a result, the awareness towards importance of</p>	

Narrative Summary	Indicators	Status as of Mid-Term (September 2018)	Status as of the Project Completion Report (January 2021)	Additions as of the End of the Project Period
			<p>protection of ANP has increased as there was no forest fire occurred within the pilot area, which was not the case before the project.</p> <ul style="list-style-type: none"> <li>The farmers took part in the pilot project indicated varying level of awareness towards the appropriate land use and adaptation to changing climate. About 57% of the farmers managed the model farm in good condition.</li> </ul> <p><b>PP-4: GAP for sugarcane farmers</b></p> <ul style="list-style-type: none"> <li>Promotion of GAP for sugarcane farmers was identified to prevent various environmental issues observed in the El Jocotal area. The farmers who participated in the GAP training program were monitored how they applied the GAP after the training. Majority of the farmers who attended the program changed their sugarcane production practices by applying the GAP standards. Further, 85% of the producers were reported to indicate their willingness to adopt the GAP since they are now much more aware of the implication of their practices to the environment.</li> </ul>	
	<p>3-3. The selected drivers causing the degradation of wetlands are considered in the selection and design of pilot activities.</p>	<ul style="list-style-type: none"> <li>The drivers of degradation of wetlands were identified in the Wetland Management Plan. The drivers to be addressed in the pilot project were selected and activities were formulated. The driver addressed in each pilot project is given as below. <ul style="list-style-type: none"> <li>PP-1: proliferation of invasive aquatic plants; PP-2: lack of community awareness towards value of wetlands; PP-3: lack of adaptation strategy among the riparian communities to cope with natural disasters caused by the climate change and deteriorating wetland ecosystem; PP-4: inappropriate land use and agriculture practices among the riparian sugarcane farmers.</li> </ul> </li> </ul>	<p><b>Achieved:</b></p> <ul style="list-style-type: none"> <li>Each one of the pilot projects has addressed different driver of degradation of wetlands while formulating and developing the pilot projects.</li> </ul>	-
<p>4. Networking is enhanced with stakeholders concerning other wetlands in and outside of El Salvador through dissemination of knowledge and experience gained in the Project.</p>	<p>4-1 At least 3 types of PR materials are developed.</p> <p>4-2 1,000 copies of the PR materials are circulated among the stakeholders in and outside of El Salvador.</p>	<ul style="list-style-type: none"> <li>1 type of brochure (Spanish/ English) and 1 Type of booklet was prepared.</li> <li>2 types of mailing list are in operation.</li> <li>2 types of WhatsApp groups are in operation by Ms. Rosalba (MARN).</li> <li>Made 30 project uniforms and distributed to the counterpart and JICA expert team members.</li> <li>A total of 2,800 brochures, 3 Banners, 500 file folders, 100 tote bags, 620 T-shirts and 300 booklets were made and distributed:</li> <li>A total of 900 copies of Newsletters were printed and distributed.</li> </ul>	<p><b>Achieved:</b></p> <ul style="list-style-type: none"> <li>In total more than 3 types of PR materials were developed. The materials developed by the project included newsletter, booklet, brochure, poster, and various types of novelty goods like T-shirts, re-usable water bottles, caps, coasters, tote bags. These materials and goods were distributed to the stakeholders and also to the participants during the event and to stakeholders to promote the project and also to raise awareness of the stakeholders towards sustainable wetland management.</li> <li>The project devised various means of information dissemination ranging from the traditional publicity materials to SNS. Especially, WhatsApp based communication was appeared to be effective among the stakeholders including</li> </ul>	-



Narrative Summary	Indicators	Status as of Mid-Term (September 2018)	Status as of the Project Completion Report (January 2021)	Additions as of the End of the Project Period
		<ul style="list-style-type: none"> <li>- Facebook page was opened in May 2016, and a total of 71 articles were posted on Facebook page so far.</li> <li>- Two types of mailing list were in operation.</li> </ul>	<p>wetland committee members, MARN staff and JET. The types of materials prepared by the project and the quantity circulated throughout the project period are summarized as below.</p> <ul style="list-style-type: none"> <li>➤ A total of 2,900 brochures, 7 Banners, 500 file folders, 315 tote bags, 905 T-shirts, 300 booklets, 100 caps, 200 coasters, 125 water bottles, 200 ATLAS and etc. were made and distributed.</li> <li>➤ A total of 700 copies of Newsletters were printed and distributed.</li> </ul>	
	4-3 More than one (1) national events are organized.	- PDM ver. 1 indicator was applied during this period. Thus, JET assessed the possibilities of organizing international events.	<p><b>Achieved.</b></p> <ul style="list-style-type: none"> <li>- The project organized the final seminar to disseminate the project achievements and learnings. Due to the COVID-19 pandemic, only speakers gathered in the conference room and other participants joined the seminar via internet.</li> </ul>	<p><b>Achieved:</b></p> <ul style="list-style-type: none"> <li>- World Wetland Day Webinar was organized in Feb 2021.</li> </ul>
	4-4 The Project staff participates in more than two (2) international events.	- Ms. Georgena from MARN participated in the Ramsar Regional Center for Training and Research in the Western Hemisphere (CREHO) in Panama under the financial support by the project (Course Title: Wetlands Management Plans with Focus on Climate Change/ 3-7 Oct 2017).	<p><b>Achieved:</b></p> <ul style="list-style-type: none"> <li>- Ms. Georgina of MARN attended COP-13 in Dubai (23-27 Oct 2018), and Ms. Rosalba of MARN took part in IUCN 3<sup>rd</sup> Congress of Natural Areas of Latin America and Caribbean (15-17 Oct 2018).</li> </ul>	-

A-1.2 達成度グリッド II (PDM 活動に基づいた実績の整理)

Output	Activity	Progress till the Mid-term (September 2018)	Status at the Completion Report (January 2021)	Progress till the End of the Extension Period																																										
<p>1. An institutionally cross-cutting wetland management mechanism with the Wetland Unit of the MARN as the central coordination body is strengthened.</p>	<p>1.1 Establish Wetland Committees at national and local levels and facilitate the operation of the committees.</p>	<p>➤ National Wetland Management Committee JET has assisted the creation and operationalization of the National Wetlands Committees and local wetland committees through continuous dialogues and providing technical inputs to MARN (1<sup>st</sup> General Assembly Meeting held in December 2017). As a result of the JET's inputs, the following six documents were prepared and officially approved.</p> <p>➤ Documents Produced:</p> <table border="1" data-bbox="546 496 1171 871"> <thead> <tr> <th>No.</th> <th>Name of Document</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Technical Guide for the Elaboration of Management plans for Ramsar sites and other wetlands</td> <td>Sep-16</td> </tr> <tr> <td>2</td> <td>Decree No. 54. 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(Oct. 2018) - Replaced the national focal point of the Ramsar Convention, elaborated Executive Agreement as the Vice/ President of the Ramsar National Committee (Feb-Oct 2020). - Made preliminary plan for the 3<sup>rd</sup> National Ramsar Committee meeting under COVID-19 (Nov 2020). - Conducted the 3<sup>rd</sup> National Ramsar Committee at Circulo Militar on 15<sup>th</sup> Dec 2020. Participants included Minister and representatives from FIAES, MITOUR, CEL, 7 presidents of the local Ramsar Committee with a total number of participants of 28.</p> <p>➤ Local Wetland Management Committee - JET conducted a workshop to discuss on the draft ministerial decree and the draft guideline for establishing local committees in San Miguel. (27 March 2019/ No of participants: approx. 70.) - 3<sup>rd</sup> General Assembly Meeting held in 18 Dec 2018 ➤ JET assisted the local committees of El Jocotal to hold election of the committee members on-line while COVID-19 prevented committee members to gather for election. An act of election was prepared to hold the election. The election was conducted successfully and according to the election results, accreditation documents for the new directors for Olomega was prepared. (Election held on 26<sup>th</sup> August 2020).</p>	<p>➤ Local Wetland Management Committee Training for the New local committee members of El Jocotal was conducted on 25<sup>th</sup> March 2021.</p>
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	1.2 Collect the basic data on environment (e.g. water quality, water level, flood, biodiversity, etc.) and socio-economy (e.g. population trend, development plans) and analyze them.	<ul style="list-style-type: none"> <li>➤ Basic Data Collection and Analysis</li> <li>- JET has undertaken review of the relevant documents and data collection through consultation with the key institutions (El Salvador University, Central American University, CATIE) and GEF.</li> <li>- Questionnaire survey was carried out with the five municipalities and one department.</li> <li>- Outsourced agency was engaged to carry out biodiversity survey. Supplementary information on bird was collected from an NGO.</li> <li>- Main deliverables:</li> </ul> <table border="1"> <thead> <tr> <th>No.</th> <th>Name of deliverable</th> <th>Month</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Reference list on environment of the both lagoons</td> <td>Apr – 16</td> </tr> <tr> <td>2</td> <td>Reference list on organisms of the both lagoons</td> <td>Apr – 16</td> </tr> <tr> <td>3</td> <td>Summary Meteo-Hydrological Record</td> <td>Dec – 16</td> </tr> <tr> <td>4</td> <td>Monthly Rainfall (San Miguel)</td> <td>Dec – 16</td> </tr> <tr> <td>5</td> <td>Monthly Rainfall (Olomega)</td> <td>Dec – 16</td> </tr> <tr> <td>6</td> <td>River Flow Discharge-Sediment Flow Rating Curve</td> <td>Dec – 16</td> </tr> <tr> <td>7</td> <td>Data availability on Hydrology and Water Quality</td> <td>Dec - 16</td> </tr> </tbody> </table>	No.	Name of deliverable	Month	1	Reference list on environment of the both lagoons	Apr – 16	2	Reference list on organisms of the both lagoons	Apr – 16	3	Summary Meteo-Hydrological Record	Dec – 16	4	Monthly Rainfall (San Miguel)	Dec – 16	5	Monthly Rainfall (Olomega)	Dec – 16	6	River Flow Discharge-Sediment Flow Rating Curve	Dec – 16	7	Data availability on Hydrology and Water Quality	Dec - 16	Activity completed in the previous period.	Activity completed in the previous period.
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	1.3 Report the results of the analyses to the national and local Wetland Committees to be used for making the management decisions in their regular meetings (e.g. management planning and monitoring).	<ul style="list-style-type: none"> <li>➤ Reporting of Study Results</li> <li>- The result of analysis was reported to the key counterparts of MARN including the members of the national Committee regarding the potential actions to be included in the wetland management (13<sup>th</sup> March 2017).</li> <li>- JET also organized workshops prior to the preparation of the wetland management plan.</li> <li>National Committees: 6<sup>th</sup> Dec 2017</li> <li>Local Committees: 12<sup>th</sup> December 2017</li> </ul>	Activity completed in the previous period.	Activity completed in the previous period.																								
	1.4 Establish monitoring system for regular updates of the data.	<ul style="list-style-type: none"> <li>- JET confirmed that the water quality monitoring is the routine work of MARN.</li> <li>- The baseline for the biodiversity monitoring was established by an outsourced agency in 2018 and subsequent monitoring was undertaken.</li> <li>- The water quality monitoring plan was prepared in October 2017 and executed as below in El Jocotal and Olomega.</li> </ul> <table border="1"> <thead> <tr> <th>Year</th> <th>Months</th> </tr> </thead> <tbody> <tr> <td>2017</td> <td>Oct, Dec</td> </tr> <tr> <td>2018</td> <td>Feb, Apr, Jun, Aug</td> </tr> </tbody> </table>	Year	Months	2017	Oct, Dec	2018	Feb, Apr, Jun, Aug	Activities were carried out under PP-1 (water quality monitoring and invasive species control) and PP-2 (biodiversity monitoring)	Activities were carried out under PP-1 (water quality monitoring and invasive species control) and PP-2 (biodiversity monitoring)																		
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		<p>- Land use monitoring framework was proposed and the analysis of the ways to manage GIS data in Wetland Unit of MARN was undertaken (Dec 2017).</p> <p>➤ Main Deliverables:</p> <table border="1"> <thead> <tr> <th>No.</th> <th>Name of deliverable</th> <th>Month</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Contract of monitoring manual and distribution of fauna and flora</td> <td>Apr-2017</td> </tr> <tr> <td>2</td> <td>Monitoring manual of water quality</td> <td>Dec-2017</td> </tr> <tr> <td>3</td> <td>Draft monitoring menu of land use</td> <td>Dec-2017</td> </tr> <tr> <td>4</td> <td>Water quality monitoring plan for Olomega &amp; El Jocotal</td> <td>Dec-2017</td> </tr> </tbody> </table> <p>- Training of Park Rangers: Park rangers were trained in Jul 2018 on fish monitoring.</p>	No.	Name of deliverable	Month	1	Contract of monitoring manual and distribution of fauna and flora	Apr-2017	2	Monitoring manual of water quality	Dec-2017	3	Draft monitoring menu of land use	Dec-2017	4	Water quality monitoring plan for Olomega & El Jocotal	Dec-2017		
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	1.5 Provide data to Wetland Unit to update Ramsar Information Sheet (RIS).	<p>➤ Ramsar Information Sheets (RIS)</p> <p>- RIS for El Jocotal was updated in 2017.</p> <p>- Main Deliverables:</p> <table border="1"> <thead> <tr> <th>No.</th> <th>Name of deliverable</th> <th>Month</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Ramsar information sheet for El Olomega &amp; Jocotal</td> <td>Dec-17</td> </tr> <tr> <td>2</td> <td>Proposed boundary of Ramsar wetland</td> <td>Sep-18</td> </tr> </tbody> </table>	No.	Name of deliverable	Month	1	Ramsar information sheet for El Olomega & Jocotal	Dec-17	2	Proposed boundary of Ramsar wetland	Sep-18	Activity completed in the previous period.	Activity completed in the previous period.						
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	1.6 Develop an Operational Guideline for Wetland Committees at national and local levels.	<p>➤ Operational Guideline for Wetland Committees</p> <p>- As reported under activity 1.1, necessary documents were prepared including internal regulation (by-law) for effective operation of the national and local wetland committees to be established in the project area.</p> <p>- Furthermore, the project has assisted the preparation of the national guideline for establishment of Ramsar local committees through workshops and community consultations. (Proceso participativo para el establecimiento de los comites locales de los humedales Ramsar El Salvador-Eperiencia Proyecto JICA-MARN, Sep 2017).</p> <p>- Organized first training program for local committee of Olomega on Environmental Governance and Legal Strengthening of local committee on 12 September 2018. (Sept 2018) (14 participants attended.)</p>	Activity completed in the previous period.	Activity completed in the previous period.															
2. Wetland Management Plans including zoning with the local communities around Olomega and El Jocotal Lagoons are developed.	2.1 Prepare wetland management plans including zoning along with a long-list of potential pilot activities in a participatory manner using the results of the analyses.	<p>➤ Preparation of Wetland management Plans</p> <p>- Local workshops were held for preparation of the wetland management plan. (April 2016/ September 2016)</p> <p>- GIS data list (i.e. vegetation, stream and etc.) was received from MARN, and GIS database list of the project was prepared. (June 2016)</p> <p>- Situational analysis (ver. 1) for ecosystem and biodiversity was carried out. (Oct. 2016)</p> <p>- SWOT analysis on ecosystem and biodiversity (ver. 1) were prepared.</p> <p>➤ Mapping and Zoning</p> <p>- Discussed and analyzed on strategy, principal, target sector, priority activities and so on, and prepared a report for Chapter 3 of the Wetland Management Plan.</p> <p>- Analyzed data and information collected including wetland boundary, land use &amp; land cover, conservation priority area, flood area &amp; anti-flood</p>	Activity completed in the previous period.	Activity completed in the previous period.															

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		<p>pond, means for adaptation of global warming, potentiality for appropriate land use, means for adaptation of global warming and land use map.</p> <ul style="list-style-type: none"> <li>- Micro zoning strategy was proposed, and draft zoning plan was prepared (Nov 2017).</li> <li>- Flood area was analyzed and mapped out in the potential zoning map. (Dec 2016).</li> <li>- Zoning analysis map was prepared. (Jun 2018)</li> <li>- Presented finalized zoning plan (Chapter 5 of the management plan) to MARN members. (Sep 2018)</li> </ul> <p>➤ Stakeholder Consultation</p> <ul style="list-style-type: none"> <li>- Organized workshops to finalize the wetland management plan at MARN (6 Dec 2017).</li> <li>- Organized local level workshops (local wetland management committees for the finalization of the wetland management plan in San Miguel. (12 Dec 2017).</li> </ul> <p>➤ Main Deliverables:</p> <table border="1" data-bbox="546 651 1151 1137"> <thead> <tr> <th>No</th> <th>Name of deliverable</th> <th>Month</th> </tr> </thead> <tbody> <tr><td>1</td><td>List of Atlas map</td><td>Dec-17</td></tr> <tr><td>2</td><td>Municipality guide map (El Transit)</td><td>Dec-17</td></tr> <tr><td>3</td><td>Micro zoning map</td><td>Dec-17</td></tr> <tr><td>4</td><td>Micro zoning map</td><td>Dec-17</td></tr> <tr><td>5</td><td>Local workshop result -zoning</td><td>Dec-17</td></tr> <tr><td>6</td><td>Action plan &amp; implementation schedule ENG (final draft)</td><td>Dec-17</td></tr> <tr><td>7</td><td>Action plan &amp; implementation schedule ESP (final draft)</td><td>Dec-17</td></tr> <tr><td>8</td><td>Draft wetland management plan ENG</td><td>Dec-17</td></tr> <tr><td>9</td><td>Draft wetland management plan summary ENG &amp; ESP</td><td>Dec-17</td></tr> <tr><td>10</td><td>Draft wetland management plan (El Jocotal)</td><td>Apr-18</td></tr> <tr><td>11</td><td>Draft wetland management plan (Olomega)</td><td>Apr-18</td></tr> <tr><td>12</td><td>Municipality guide map</td><td>Aug-18</td></tr> </tbody> </table>	No	Name of deliverable	Month	1	List of Atlas map	Dec-17	2	Municipality guide map (El Transit)	Dec-17	3	Micro zoning map	Dec-17	4	Micro zoning map	Dec-17	5	Local workshop result -zoning	Dec-17	6	Action plan & implementation schedule ENG (final draft)	Dec-17	7	Action plan & implementation schedule ESP (final draft)	Dec-17	8	Draft wetland management plan ENG	Dec-17	9	Draft wetland management plan summary ENG & ESP	Dec-17	10	Draft wetland management plan (El Jocotal)	Apr-18	11	Draft wetland management plan (Olomega)	Apr-18	12	Municipality guide map	Aug-18		
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8	Draft wetland management plan ENG	Dec-17																																									
9	Draft wetland management plan summary ENG & ESP	Dec-17																																									
10	Draft wetland management plan (El Jocotal)	Apr-18																																									
11	Draft wetland management plan (Olomega)	Apr-18																																									
12	Municipality guide map	Aug-18																																									
	2.2 Submit the wetland management plans for the approval of MARN through Wetland Unit.	<ul style="list-style-type: none"> <li>- The draft plans were shared with MARN for comments before finalization. (Mar. 2018)</li> </ul>	<p>➤ Approval of Wetland Management Plan by MARN</p> <ul style="list-style-type: none"> <li>- Based on the discussion with MARN on the finalization of the wetland management plans and comments received, the plans were prepared for each wetland as a separate document. Final presentation was given by JET in April 2019.</li> <li>- The formal approval was obtained in Jan 2020 for Olomega and Feb 2020 for El Jocotal.</li> </ul> <p><b>El Jocotal</b></p> <ul style="list-style-type: none"> <li>- Letter of technical dictum about Wetland Management Plan of Jocotal Lagoon (Feb 5, 2020)</li> <li>- Ministerial Accord No. 33 for Wetland Management Plan of</li> </ul>	Activity completed in the previous period.																																							

Output	Activity	Progress till the Mid-term (September 2018)	Status at the Completion Report (January 2021)	Progress till the End of the Extension Period
			<p>Jocotal Lagoon (Feb 5, 2020)</p> <ul style="list-style-type: none"> <li>- Wetland Management Plan of Jocotal Lagoon (Feb 5, 2020): 50 copies printed</li> <li>- Official gazette for Wetland Management Plan of Jocotal Lagoon</li> </ul> <p><u>Olomega</u></p> <ul style="list-style-type: none"> <li>- Letter of technical dictum about Wetland Management Plan of Olomega Lagoon (Jan 8, 2020)</li> <li>- Ministerial Accord No 07 for Wetland Management Plan of Olomega Lagoon (Jan 20, 2020)</li> <li>- Wetland Management Plan of Olomega Lagoon (Jan 10, 2020): 50 copies printed.</li> <li>- Official gazette for Wetland Management Plan of Olomega Lagoon</li> </ul>	
	2.3 Share the plans with local stakeholders to raise awareness.	- Local level workshops for the finalization of wetland management plan was carried out in Dec 2017 in San Miguel. Accordingly, comments were integrated into the final version of the management plan.	Activity completed in the previous period.	Activity completed in the previous period.
	2.4 Develop a Wetland Management Planning Guideline that can be applied in other Ramsar sites in El Salvador.	<ul style="list-style-type: none"> <li>- JET discussed and assisted MARN to develop the “Technical Guidelines of Management Planning for Ramsar Sites and other Wetlands” between May – June 2016.</li> <li>- MARN finalized and officially acknowledged the guidelines in July 2016.</li> </ul>	- Finalized the manual as “zoning methodology adapted by MARN-JICA Project” in May 2019. Subsequently, the same was finalized in Dec 2020.	Activity completed in the previous period.
3. Pilot activities based on the characteristics of Olomega and El Jocotal Lagoons are implemented as partial implementation of the management plans.	3.1 Develop criteria and procedures for selecting the pilot activities.	- JET carried out survey and discussions with the stakeholders including 5 municipalities and 1 department and reviewed the existing plans and other relevant documents concerning the management of Olomega and El Jocotal Lagoons. Based on the findings, the criteria and selection procedures for the pilot activities were developed and priority list of pilot projects was prepared out of the action plans indicated in the Wetland Management Plans of the respective wetlands. (Apr 2017).	Activity completed in the previous period.	Activity completed in the previous period.
	3.2 Prepare a short-list of pilot activities from the long-list with reference to 3-1 and in a participatory manner.	<ul style="list-style-type: none"> <li>- JET Prepared the draft pilot project profiles (March 2017), and the list of pilot projects were finalized in Apr 2017.</li> <li>- JET also visited El Transit Municipality to explain about the pilot project (May 2017).</li> </ul>	Activity completed in the previous period.	Activity completed in the previous period.
	3.3 Select the pilot activities out of the short list and prepare an action plan with proper budget.	<ul style="list-style-type: none"> <li>- Selection of the pilot activities <ul style="list-style-type: none"> <li>➤ Potential sites were investigated for the following short-listed activities in two wetlands areas in March 2017.</li> <li>➤ JET reviewed the potential for convergence with the JICA projects (BOSAI, HortiOnete, OVOP, etc. and sought the local partners for implementation of the pilot projects. The potential local collaborators were contacted between March – April 2017 included: FUNDAZUCAR, Chaparastique Sugar Factory, Universidad Centro Americana, NGO OIKOS, NGO Integraol, CENTA- MAG in Jeltepeque.</li> </ul> </li> <li>- Preparation of the activity plans for each pilot project</li> </ul> <p><u>PP1: Water quality monitoring, and control of invasive exotic species</u></p> <p><u>PP1-1: Water quality monitoring</u></p>	<p><u>PP3: Reducing disaster risk in ecosystems to address adaptation to climate change</u></p> <p><u>PP-3-1: Restoration of ecosystem in ANP Las Moritas</u></p> <ul style="list-style-type: none"> <li>- From Jul 2017 – Sep 2020, work plans to undertake restoration activities in collaboration with Las Perlitas and Pollo Campestre were prepared.</li> <li>- Pollo Campestre agreed with MARN that the company will support the restoration activities 2 ha per year in ANP for 5 years (in total 10 ha). The signing ceremony of the agreement between MARN and Pollo Campestre was carried out on 27<sup>th</sup> November 2019.</li> <li>- In October 2020, Las Perlitas agreed with MARN that it will support 10 ha of reforestation in ANP and manage 6.5 ha in the pilot area.</li> </ul>	Activity completed in the previous period.

Output	Activity	Progress till the Mid-term (September 2018)	Status at the Completion Report (January 2021)	Progress till the End of the Extension Period
		<ul style="list-style-type: none"> <li>- Water quality monitoring plan for El Jocotal and Olomega Lagoons was drafted in Oct and finalized in Dec 2017. The revision took place in Jun 2018.</li> <li>- Procurement of equipment and consumables for water quality monitoring was undertaken in Dec 2017.</li> <li>- The plan was finalized after consultation with the concerned municipalities and local committees.</li> </ul> <p><u>PP1-2: Control of exotic invasive species with private sector engagement</u></p> <ul style="list-style-type: none"> <li>- Work plan was prepared in Jul and detailed plan was finalized in Nov 2017.</li> </ul> <p><u>PP2: Environment education, communication, and value addition of wetland</u></p> <p><u>PP2-1: Develop facilities and materials for environmental education</u></p> <ul style="list-style-type: none"> <li>- In Jul 2017, work plan was prepared. In Sep 2017, detailed work plan was prepared and finalized after consultation with the El Jocotal wetland committee.</li> <li>- In Jun 2018, MARN -JICA project environment education approach was developed and El Jocotal environment education complex master plan was prepared. In the following month, park rangers were trained to become wetland education center guides.</li> </ul> <p><u>PP2-2:Environment education, communication, and value addition of wetland</u></p> <ul style="list-style-type: none"> <li>- The plan for pilot project 2 (promotion of ecological value) was prepared in Jul 2017.</li> <li>- The plan for the promotion of ecological value was finalized after consultation with the concerned municipalities and local committees.</li> <li>- Completed the environmental education approach of MARN – JICA Project (Eng.) and master plan for El Jocotal Environmental Education Complex (Ramsar Environmental Education Complex) in Jun 2018.</li> </ul> <p><u>PP-3:Reducing disaster risk in ecosystems to address adaptation to climate change</u></p> <ul style="list-style-type: none"> <li>- JET prepared detailed work plan for PP 3 in Jul 2017 and reviewed and finalized the work plan with the local committees. As a result, PP 3 components were decided to include 1) integrated agroforestry, 2) integrated silvopasture, and 3) reforestation in ANP (Oct 2017).</li> </ul> <p><u>PP-3-1: Restoration of ecosystem in ANP Las Moritas</u></p> <ul style="list-style-type: none"> <li>- In Jul 2017, plan for the PP3-1 was prepared. Between Sep-Oct 2017, the local wetland committees were consulted for the project plan. Based on the responses obtained from the consultation, the plan was finalized between Dec 2017 and Jan 2018).</li> <li>- JET reviewed the Environmental Compensation System and explored the financial resources that can be utilized to sustain the pilot activities (Oct 2017 – Oct 2019).</li> <li>- From Jul 2017 – Sep 2020, work plans to undertake restoration activities in collaboration with Las Perlitas and Pollo Campestre were prepared.</li> </ul> <p><u>PP-3-2: Agroforestry and silvopasture</u></p> <ul style="list-style-type: none"> <li>- Work plan was prepared in Jul 2017 and finalized in consultation</li> </ul>		



Output	Activity	Progress till the Mid-term (September 2018)	Status at the Completion Report (January 2021)	Progress till the End of the Extension Period																										
		<p>with the local committees in Sep-Oct 2017.</p> <ul style="list-style-type: none"> <li>- JET reviewed the Environmental Compensation System and explored the financial resources to enhance sustainability of the outcome of the pilot project (Oct 2017 – Oct 2019).</li> <li>- In Jun 2018, micro zoning map was prepared to assess the appropriate land use. In Sep 2018, micro zoning was revisited and adjusted slightly after the 1<sup>st</sup> harvest.</li> </ul> <p><u>PP-4: Good Agricultural Practice (GAP) for Sugarcane to reduce negative environmental impact</u></p> <ul style="list-style-type: none"> <li>- Detailed work plan was prepared in Jul 2017.</li> <li>- In consultation with the local committees and stakeholders, the plan was finalized in Oct 2017. 4 activities were included under this pilot project: 1) GAP seminar, 2) GAP radio program, 3) reforestation in river side buffer zone, and 4) collection of agricultural waste.</li> <li>- JET coordinated with FUNDAZUCAR and Grupo CASSA for organizing the seminar for GAP. (Oct 2017)</li> </ul>																												
3.4 Implement and monitor the pilot activities		<p><u>PP1: Water quality monitoring and control of invasive exotic species</u> <u>PP1-1: Water quality monitoring</u></p> <ul style="list-style-type: none"> <li>- Carried out water quality monitoring in El Jocotal and Olomega lagoons from Oct 2017. The monitoring has been carried out once in every two months as below. Reports have been prepared for each monitoring.</li> </ul> <table border="1" data-bbox="546 783 1097 863"> <thead> <tr> <th>Year</th> <th>Months</th> </tr> </thead> <tbody> <tr> <td>2017</td> <td>Oct, Dec</td> </tr> <tr> <td>2018</td> <td>Feb, Apr, Jun, Aug</td> </tr> </tbody> </table> <p><u>PP1-2: Control of exotic invasive species with private sector engagement</u></p> <ul style="list-style-type: none"> <li>- Visited Grupo CASSA for discussing the preparatory chemical analysis test of invasive plants (Oct 2017).</li> <li>- Laboratory testing of burning of invasive water plants was completed in Nov 2017.</li> <li>- Coordinated the first trial for energy generation by burning of invasive water plants (Dec 2017).</li> <li>- Purchased necessary tools for the trial, engaged additional coordinator and mobilized the volunteers and transportation (April 2018).</li> <li>- Completed the first trial of energy cogeneration by burning the dried invasive plants of El Jocotal (Apr 2018)</li> </ul> <p><u>PP2: Environment education, communication, and value addition of wetland</u> <u>PP2-1: Develop facilities and materials for environmental education</u></p> <ul style="list-style-type: none"> <li>- In 2017, JET had identified necessary works to be carried out and equipment/ facilities/ materials to be installed in the Ramsar Environmental Education Centre at El Jocotal. By April 2018, following works were completed. <ul style="list-style-type: none"> <li>➢ Prepared guides for birds and biodiversity in El Jocotal and Olomega. Procurement of 18 acrylic specimen of insects</li> </ul> </li> </ul>	Year	Months	2017	Oct, Dec	2018	Feb, Apr, Jun, Aug	<p><u>PP1: Water quality monitoring and control of invasive exotic species</u> <u>PP1-1: Water quality monitoring</u></p> <ul style="list-style-type: none"> <li>- JET started formalizing the Water Quality Monitoring Manual for El Salvador in October 2018. The manual has been formally adopted by MARN in (Feb 2019)</li> <li>- Water quality monitoring in Olomega and El Jocotal was continuously carried out as below.</li> </ul> <table border="1" data-bbox="1200 815 1796 975"> <thead> <tr> <th>Year</th> <th>Months</th> <th>Annual Water Quality Monitoring Report (Month Published)</th> </tr> </thead> <tbody> <tr> <td>2018</td> <td>Oct, Dec</td> <td>Mar, 2019</td> </tr> <tr> <td>2019</td> <td>Feb, Apr, Oct, Dec</td> <td>Dec, 2019</td> </tr> <tr> <td>2020*</td> <td>Oct</td> <td>Dec, 2020</td> </tr> </tbody> </table> <p>*The monitoring planned for Jun and Sep 2020 has been rescheduled due to Covid-19.</p> <ul style="list-style-type: none"> <li>- Held a workshop with wetland unit of MARN to secure budget for 2020.</li> </ul> <p><u>PP1-2: Control of exotic invasive species with private sector engagement</u></p> <ul style="list-style-type: none"> <li>- Coordinated with Grupo CASSA for the second pilot of removal of water plants and co-generation at Chaparrastique and started the investigation of potential technical problems for the boiler of the sugar mill (Oct 2018). The technical report was published on MARN website.</li> <li>- JET held a series of meetings with the board members of Grupo CASSA to discuss on upscaling of the 1st trial removal.</li> </ul> <table border="1" data-bbox="1200 1302 1796 1430"> <thead> <tr> <th>Date</th> <th>Subject</th> </tr> </thead> <tbody> <tr> <td>Mar 2019</td> <td>- Met with a board member of Grupo CASSA</td> </tr> <tr> <td></td> <td>- Ecosystem Services Valuation</td> </tr> <tr> <td>May - June</td> <td>- Met with Grupo CASA</td> </tr> </tbody> </table>	Year	Months	Annual Water Quality Monitoring Report (Month Published)	2018	Oct, Dec	Mar, 2019	2019	Feb, Apr, Oct, Dec	Dec, 2019	2020*	Oct	Dec, 2020	Date	Subject	Mar 2019	- Met with a board member of Grupo CASSA		- Ecosystem Services Valuation	May - June	- Met with Grupo CASA	<p><u>PP1: Water quality monitoring and control of invasive exotic species</u> <u>PP1-1: Water quality monitoring</u></p> <ul style="list-style-type: none"> <li>- Water quality monitoring report for El Jocotal lagoon in 2020 and the same for Olomega lagoon in 2020 were published in Jan 2021.</li> <li>- 17th water quality monitoring was conducted in July 2021. The report for 16th and 17th water quality monitoring was prepared in April and July 2021 respectively.</li> <li>- In Guija Lagoon, 2nd water quality monitoring was conducted in August 2021.</li> <li>- 1st trial of exotic invasive plants monitoring in Metapan lake was prepared in August 2021.</li> <li>- Annual report for water quality monitoring 2021 was prepared in August 2021 for El Jocotal, Olomega and Guija Lagoon.</li> </ul> <p><u>PP1-2: Control of exotic invasive species with private sector engagement</u></p> <ul style="list-style-type: none"> <li>- Assisted document preparation of biogas</li> </ul>
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		<ul style="list-style-type: none"> <li>➢ Anthropological survey for preparation of the exhibition materials</li> <li>➢ 2 design of panels, construction of bird observation platform, two videos were completed.</li> <li>- Renovation of the El Jocotal office of MARN was carried out by JET in Oct 2016 and also by MARN's own budget in Feb 2018.</li> <li>- In June 2018, all the exhibition materials were installed.</li> <li>- Prepared Ramsar Environmental Education Complex Guest Book (Sep 2018).</li> </ul> <p><u>PP2-2: Environment education, communication, and value addition of wetland</u></p> <p>- Event:</p> <table border="1" data-bbox="546 507 1151 635"> <thead> <tr> <th>Date</th> <th>Occasion</th> <th>No of Participants</th> </tr> </thead> <tbody> <tr> <td>12 Jun 2018</td> <td>Inauguration of Ramsar Environmental Education Complex, El Jocotal</td> <td>68</td> </tr> </tbody> </table> <ul style="list-style-type: none"> <li>- Awareness Raising Activities:</li> <li>- Education seminars for community organizations, ADESCO, started from December 2018.</li> <li>- JET organized a seminar with 25 school teachers to plan for the environmental education activities (Sep 2018).</li> </ul> <p><u>PP-3: Reducing Disaster Risk in Ecosystems to Address Adaptation to Climate Change</u></p> <p><u>PP3-1: Restoration of ecosystem in ANP Las Moritas</u></p> <ul style="list-style-type: none"> <li>- Ecosystem survey in ANP Las Moritas and preparation of the restoration of the plan for restoration of ecosystem was undertaken between Nov 2017 and Jan 2018. In Feb 2018, a seminar was conducted for MARN to share the findings from the survey and the restoration plan.</li> <li>- A sub-contractor PROCOMES was procured to undertake the restoration activities in 6.5 ha in ANP Las Moritas. The contract was signed with the sub-contractor in Apr 2018.</li> <li>- Preparatory activities for restoration activities including surveying, clearing, installation of reservoir and etc., were carried out between Mar-Apr 2018.</li> <li>- Reforestation of the ANP Las Moritas was carried out in phases. 1<sup>st</sup> phase activities (reforestation and establishment of fire break) were carried out between Jun – Aug 2018.</li> <li>- Educational seminars for a community organization called as ADESCO regarding the importance of ANP as in PP 2-2.</li> <li>- Regular monitoring works were carried out by JET between Oct 2017 and Dec 2019.</li> </ul> <p><u>PP3-2: Agroforestry and silvopasture</u></p> <ul style="list-style-type: none"> <li>- Sub contractor – OIKOS was selected as a sub-contractor for PP3-2. The contract was signed in Nov 2017.</li> <li>- 10 model farms were identified (Oct 2017 – Feb 2018). (5 farmers for agroforestry and 5 farmers for silvopasture).</li> <li>- The market survey for fruits was conducted to identify the tree</li> </ul>	Date	Occasion	No of Participants	12 Jun 2018	Inauguration of Ramsar Environmental Education Complex, El Jocotal	68	<table border="1" data-bbox="1205 204 1792 434"> <tbody> <tr> <td>2019</td> <td>- Extraction of water plants and co-generation of electricity</td> </tr> <tr> <td>Jul 2019</td> <td>- Met with President of Grupo CASSA - Decided on the continued collaboration and exploration of alternatives</td> </tr> <tr> <td>Aug 2019</td> <td>- Grupo CASSA and Aqua Limpia Engineering - On biogas production using invasive water plants</td> </tr> </tbody> </table> <p><u>Biogas plant</u></p> <ul style="list-style-type: none"> <li>- JET provided cost estimate for extraction of the invasive plants to be used for the feasibility study for biogas production. Comments were also provided to the biogas production unit proposal prepared by Aqua Limpia. The presentation was given by the company to MARN in Dec 2019. The proposal was finalized and submitted to MARN in July 2020.</li> </ul> <p><u>PPI-3: Monitoring of invasive water plants</u></p> <ul style="list-style-type: none"> <li>- Landscape level monitoring by drone: El Jocotal Lagoon and ANP Las Moritas (Oct 2019 &amp; Mar 2020). Introduced AI (deep learning) method for mapping of the distribution of invasive aquatic plants from drone image and prepared manual for the AI software (Dec 2019). Conducted landscape monitoring by drone for El Jocotal Lagoon and ANP Las Moritas (Oct &amp; Mar 2020).</li> <li>- Conducted training for general usage of drone (Dec 2018).</li> <li>- JET has carried out invasive water plants survey in Jan 2020 after two trials in Sep 2019 and Oct 2019. The findings were integrated into the final Plan for the Invasive Water Plants Survey.</li> <li>- Conducted invasive water plants survey (Jan 2020).</li> <li>- The final draft of "Proposal of invasive aquatic plants and wetland ecosystem monitoring plan in El Jocotal Lagoon" was updated in Dec 2020.</li> </ul> <p><u>PP2: Environment education, communication, and value addition of wetland</u></p> <p><u>PP2-1: Develop facilities and materials for environmental education</u></p> <ul style="list-style-type: none"> <li>- In Oct 2018, 6 guides for exhibition materials at the El Jocotal Ramsar Wetland Education Centre to be used by the park rangers were prepared. At the same time, environment education program was prepared.</li> <li>- In Dec 2018, one work table and 5 benches were installed. Supporting materials to be used by the park rangers while guiding the visitors at the observation platform were prepared.</li> <li>- In Jan 2019, El Jocotal environmental education complex guide was prepared and in Feb, El Jocotal environmental education complex tour guide was prepared.</li> <li>- In Jun 2019, migratory bird dice game was installed and 4 types of field learning guide for students were prepared. In the following month water cycle game was also installed.</li> <li>- Brochure for the visitors: 300 copies (Feb 2019)</li> </ul>	2019	- Extraction of water plants and co-generation of electricity	Jul 2019	- Met with President of Grupo CASSA - Decided on the continued collaboration and exploration of alternatives	Aug 2019	- Grupo CASSA and Aqua Limpia Engineering - On biogas production using invasive water plants	<p>production using invasive water plants in Cerron Grande wetland based on MAR-JICA project proposal (Feb-Mar 2021).</p> <p><u>PPI-3: Monitoring of invasive water plants</u></p> <ul style="list-style-type: none"> <li>- The monitoring plan for invasive water plants was prepared in Jan 2021.</li> </ul>
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		<p>species which have high market potential. (Nov 2017 – Feb 2018) Jan – Feb 2018, the plan for agroforestry-based pilot activities and that for silvopasture based pilot activities were prepared and accordingly, technical guidance in the field was undertaken by JET.</p> <p>- Regular monitoring of the work done by the OIKOS and JET during the period.</p> <p><b>PP-4:GAP for sugarcane farmers</b></p> <p><b>PP4-1: GAP Seminar</b></p> <p>- GAP seminar program was prepared in Feb 2018.</p> <p>- The sub-contractor for implementation of GAP basic program was selected. The contract was signed with FUNDAZUCAR in Mar 2018.</p> <p>- GAP basic program was carried out with between March and June 2018.</p> <p>- The evaluation of the program was prepared in Aug 2018.</p> <table border="1"> <thead> <tr> <th rowspan="2">Month/ Year</th> <th rowspan="2">Topics</th> <th>Number of Participants</th> </tr> <tr> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Mar. 2018</td> <td>GAP Basic Program Seminar (1) Relationship between wetland conservation and GAP</td> <td>44</td> </tr> <tr> <td>Apr. 2018</td> <td>GAP Basic Program Seminar (2) Sowing and harvesting</td> <td>42</td> </tr> <tr> <td>Apr. 2018</td> <td>GAP Basic Program Seminar (3) harvest</td> <td>42</td> </tr> <tr> <td>May 2018</td> <td>GAP Basic Program Seminar (4) Fertilizer application and soil &amp; water conservation</td> <td>43</td> </tr> <tr> <td>May – Jun. 2018</td> <td>GAP Basic Program Seminar (5) Disease control</td> <td>38</td> </tr> <tr> <td>Jun. 2018</td> <td>GAP Basic Program Seminar (6) Use of agrochemicals</td> <td>19</td> </tr> </tbody> </table>	Month/ Year	Topics	Number of Participants	Total	Mar. 2018	GAP Basic Program Seminar (1) Relationship between wetland conservation and GAP	44	Apr. 2018	GAP Basic Program Seminar (2) Sowing and harvesting	42	Apr. 2018	GAP Basic Program Seminar (3) harvest	42	May 2018	GAP Basic Program Seminar (4) Fertilizer application and soil & water conservation	43	May – Jun. 2018	GAP Basic Program Seminar (5) Disease control	38	Jun. 2018	GAP Basic Program Seminar (6) Use of agrochemicals	19	<p>- Training of the Guides: Training was carried out in Oct 2018 (on exhibition materials in El Jocotal Wetland Education Centre) and Dec 2018 (on guiding visitors at the observation platform).</p> <p><b>PP2-2: Environment education, communication, and value addition of wetland</b></p> <p>- Community guide training was carried out as below prior to receiving the students from the local schools.</p> <p>- 11 school teachers from 5 schools in San Miguel trained to be the guides of El Jocotal Wetland Education Center (Jun 2019).</p> <table border="1"> <thead> <tr> <th>Date</th> <th>Topic</th> <th>No of Participants</th> </tr> </thead> <tbody> <tr> <td>Jul 2019</td> <td>Community Guide</td> <td>11</td> </tr> <tr> <td>26th Jul 2019</td> <td>Community Guide for Students from Delirio</td> <td>2</td> </tr> <tr> <td>5th Nov 2019</td> <td>Community Guide for Student visitors from Sanda Fidelia</td> <td>1</td> </tr> </tbody> </table> <p>- Awareness Creation and Events at the El Jocotal Wetland Education Center</p> <table border="1"> <thead> <tr> <th>Date</th> <th>Occasion</th> <th>No of Participants</th> </tr> </thead> <tbody> <tr> <td>8 Feb 2019</td> <td>World Wetland Day</td> <td>61</td> </tr> <tr> <td>16 May 2019</td> <td>Tour for Network of Higher Education Institutions of El Salvador</td> <td>57</td> </tr> <tr> <td>22 Aug 2019</td> <td>Tour for Network of Higher Education Institutions of El Salvador</td> <td>46</td> </tr> <tr> <td>11 Oct 2019</td> <td>Migratory Bird Event</td> <td>78</td> </tr> </tbody> </table> <p>- Visits by the local schools</p> <table border="1"> <thead> <tr> <th>Date</th> <th>Occasion</th> <th>No of Participants</th> </tr> </thead> <tbody> <tr> <td>5 Nov 2019</td> <td>Santa Fidelia School</td> <td>25</td> </tr> <tr> <td>6 Nov 2019</td> <td>La Eshechiva School</td> <td>14</td> </tr> </tbody> </table> <p>- Total No of visitors by Dec 2019: 129 visitors</p> <p>- Upscaling the Environmental Education in San Miguel: JET prepared and finalized plan to incorporate the visits to El Jocotal Environmental Education Complex into the curriculum of San Miguel and strategies to disseminate the information to the teacher's group of MINED San Miguel (Jun 2019). Further discussion was held in Sep 2019 for integration of wetland environment education into school curriculum with MINED San Miguel.</p> <p>- Various training activities and environmental education activities were carried out as below.</p> <table border="1"> <thead> <tr> <th>Date</th> <th>Subject</th> <th>No of Participants</th> </tr> </thead> <tbody> <tr> <td>26 Jul 2019</td> <td>Environmental Education (For</td> <td>14</td> </tr> </tbody> </table>	Date	Topic	No of Participants	Jul 2019	Community Guide	11	26th Jul 2019	Community Guide for Students from Delirio	2	5th Nov 2019	Community Guide for Student visitors from Sanda Fidelia	1	Date	Occasion	No of Participants	8 Feb 2019	World Wetland Day	61	16 May 2019	Tour for Network of Higher Education Institutions of El Salvador	57	22 Aug 2019	Tour for Network of Higher Education Institutions of El Salvador	46	11 Oct 2019	Migratory Bird Event	78	Date	Occasion	No of Participants	5 Nov 2019	Santa Fidelia School	25	6 Nov 2019	La Eshechiva School	14	Date	Subject	No of Participants	26 Jul 2019	Environmental Education (For	14	
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May – Jun. 2018	GAP Basic Program Seminar (5) Disease control	38																																																																		
Jun. 2018	GAP Basic Program Seminar (6) Use of agrochemicals	19																																																																		
Date	Topic	No of Participants																																																																		
Jul 2019	Community Guide	11																																																																		
26th Jul 2019	Community Guide for Students from Delirio	2																																																																		
5th Nov 2019	Community Guide for Student visitors from Sanda Fidelia	1																																																																		
Date	Occasion	No of Participants																																																																		
8 Feb 2019	World Wetland Day	61																																																																		
16 May 2019	Tour for Network of Higher Education Institutions of El Salvador	57																																																																		
22 Aug 2019	Tour for Network of Higher Education Institutions of El Salvador	46																																																																		
11 Oct 2019	Migratory Bird Event	78																																																																		
Date	Occasion	No of Participants																																																																		
5 Nov 2019	Santa Fidelia School	25																																																																		
6 Nov 2019	La Eshechiva School	14																																																																		
Date	Subject	No of Participants																																																																		
26 Jul 2019	Environmental Education (For	14																																																																		

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				students of local school – Delirio School)		
			4 Sep 2019	Capacity building of school teachers by the trained primary school teachers in San Miguel to incorporate El Jocotal Environmental Education Complex in the school curriculum	18	
			22 Oct 2019	Promotion of El Jocotal Environmental Education Complex to MINED San Miguel (For staff of MINED San Miguel)	35	
			23 Oct 2019	Promotion of El Jocotal Environmental Education Complex (For staff of MINED San Miguel)	25	
			<ul style="list-style-type: none"> <li>- JET has prepared the reports for each event, training, awareness creation program and etc. to monitor the achievement.</li> <li>- The project prepared copies of water cycle game to promote El Jocotal Environmental Education Complex and to raise awareness of wetland.</li> </ul>			
			<p><u>CEPA:</u></p> <ul style="list-style-type: none"> <li>- National plan (2018-2022) was finalized in Nov 2018 and uploaded on MARN website in Feb 2019. JET also printed 300 copies of the plan. JET has finalized CEPA annual action plan 2019 (Mar 2019) and the same for 2020 in Dec 2019.</li> <li>- The action plan 2020 was reported at the Ramsar Wetland Committee held in Dec 2020. CEPA annual action plan for 2021 was also prepared.</li> </ul>			
			<p><u>Biodiversity monitoring:</u></p> <ul style="list-style-type: none"> <li>- JET drafted and finalized the biodiversity monitoring plan in El Jocotal and Olomega lagoons in Dec. 2018 and necessary equipment for biodiversity monitoring was purchased in Dec 2018. Biodiversity monitoring was conducted in dry and wet seasons. Monitoring report was prepared for each survey.</li> </ul>			
			Main Deliverables:			
			No.	Name of deliverable	Month	
			1	Draft Monitoring plan of Jacinto and wetland ecosystem in Laguna El Jocotal	Nov-18	<p><u>Biodiversity monitoring:</u>  <u>Guija</u>  1<sup>st</sup> Wetland Bird Monitoring was carried out in Guija lagoon in March 2021.</p>
			2	Draft Monitoring plan of ANP Restoration	Nov-18	
			3	Biodiversity monitoring plan for El Jocotal and Olomega for 2020	Dec-2019	
			<ul style="list-style-type: none"> <li>- In 2020, biodiversity monitoring was carried out in Aug and Sep. The biodiversity monitoring training for the park rangers were carried out in oct, 2020.</li> <li>- Annual report on the biodiversity monitoring of El Jocotal and Olomega lagoons were prepared in Nov, 2019 and Oct, 2020.</li> <li>- Training of Park Rangers: Park rangers were trained in Jun &amp; Aug 2019 (monitoring of freshwater Bivalvia, fish, birds).</li> </ul>			
			<u>Guija:</u> JET prepared bird monitoring plan in Guija (Oct 2019) and			



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			<p>conducted feasibility study in Jan 2020. Biodiversity monitoring manual was prepared in Feb 2020. Park rangers in Guija were trained in bird monitoring in March 2020.</p> <p><b>PP-3:Reducing disaster risk in ecosystems to address adaptation to climate change</b></p> <p><b>PP3-1: Restoration of ecosystem in ANP Las Moritas</b></p> <ul style="list-style-type: none"> <li>- Maintenance activities of the 1<sup>st</sup> phase continued between Sep 2018 and April 2019.</li> <li>- Between Nov 2018 and Apr 2019, Pollo Campestre provided water for the reservoir in ANP Las Moritas prior to the agreement between the company and MARN.</li> <li>- 2<sup>nd</sup> phase activity commenced between May – Jun 2019. As the 1<sup>st</sup> phase plantation was badly damaged by the drought, replacement work was undertaken.</li> <li>- Las Perlitass assisted the establishment of nursery and improvement of well prior to the signing of agreement with MARN.</li> <li>- Between Jun – Aug 2019, 2<sup>nd</sup> phase plantation and establishment of firebreak was undertaken. Maintenance works were carried out between Sep 2019 and Apr 2020.</li> <li>- JET also assisted in fire extinguishing when the forest fire occurred near the ANP Las Moritas and burnt most part of ANP in Mar 2020. (This forest fire burned large part of ANP except the pilot area of the project (6.5ha)).</li> <li>- In 3<sup>rd</sup> phase, maintenance activities of the pilot area (6.5 ha) were carried out between Apr – Oct and Nov- Jan 2021.</li> <li>- Education Seminar for Community Organizations (ADESCO)</li> </ul> <table border="1" data-bbox="1196 906 1809 1134"> <thead> <tr> <th rowspan="2">Session No</th> <th rowspan="2">Date</th> <th rowspan="2">Topic</th> <th rowspan="2">Adescos</th> <th colspan="3">No of Participants</th> </tr> <tr> <th>Men</th> <th>Women</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td rowspan="4">1</td> <td>13-Dec-18</td> <td rowspan="4">Rehabilitation of the NPA Las Moritas for Eco-DRR</td> <td>Gualuca, Gualuca 2, El Herido, El Brazo, Casa Mota</td> <td>20</td> <td>13</td> <td></td> </tr> <tr> <td>20-Dec-18</td> <td>El Pital</td> <td>23</td> <td>17</td> <td></td> </tr> <tr> <td>10-Jan-19</td> <td>San Carlos El Amate</td> <td>19</td> <td>17</td> <td></td> </tr> <tr> <td>17-Jan-19</td> <td>San Juan Bosco</td> <td>13</td> <td>34</td> <td></td> </tr> <tr> <td rowspan="4">2</td> <td>2-Ape-19</td> <td rowspan="4">Community sensitization for the conservation and rehabilitation of Las Moritas NPA</td> <td>Gualuca, Gualuca 2, El Herido, El Brazo, Casa Mota</td> <td>20</td> <td>8</td> <td></td> </tr> <tr> <td>9-Ape-19</td> <td>El Pital</td> <td>11</td> <td>12</td> <td></td> </tr> <tr> <td>11-Ape-19</td> <td>San Carlos El Amate</td> <td>13</td> <td>8</td> <td></td> </tr> <tr> <td>3-May-19</td> <td>Los Llanitos</td> <td>2</td> <td>9</td> <td></td> </tr> <tr> <td rowspan="4">3</td> <td>16-Dec-19</td> <td rowspan="4">Ecological Importance of Birds in Forest Restoration</td> <td>Gualuca, Gualuca 2, El Herido, El Brazo, Casa Mota</td> <td>27</td> <td>13</td> <td></td> </tr> <tr> <td>19-Dec-19</td> <td>El Pital</td> <td>9</td> <td>6</td> <td></td> </tr> <tr> <td>17-Jan-20</td> <td>San Carlos El Amate</td> <td>16</td> <td>15</td> <td></td> </tr> <tr> <td>7-Feb-20</td> <td>Los Llanitos</td> <td>22</td> <td>27</td> <td></td> </tr> </tbody> </table> <p>- Regular monitoring was carried out by JET.</p> <p><b>PP3-2:Agroforestry and silvopasture</b></p> <ul style="list-style-type: none"> <li>- After experiencing the severe drought condition, the species for fodder grass to be planted under silvopasture model farms were revisited. To minimize the risks of crop failure, 2 types of fodder grass species were planted instead of 1 species. (Feb 2019).</li> <li>- During the 1<sup>st</sup> cropping season, issues of inadequate farm management and unsuitable land ownership as a model farm were experienced. Thus, the list of model farmers were revisited, and 3 model farms were confirmed to be excluded from the pilot project (May 2019).</li> </ul>	Session No	Date	Topic	Adescos	No of Participants			Men	Women	Total	1	13-Dec-18	Rehabilitation of the NPA Las Moritas for Eco-DRR	Gualuca, Gualuca 2, El Herido, El Brazo, Casa Mota	20	13		20-Dec-18	El Pital	23	17		10-Jan-19	San Carlos El Amate	19	17		17-Jan-19	San Juan Bosco	13	34		2	2-Ape-19	Community sensitization for the conservation and rehabilitation of Las Moritas NPA	Gualuca, Gualuca 2, El Herido, El Brazo, Casa Mota	20	8		9-Ape-19	El Pital	11	12		11-Ape-19	San Carlos El Amate	13	8		3-May-19	Los Llanitos	2	9		3	16-Dec-19	Ecological Importance of Birds in Forest Restoration	Gualuca, Gualuca 2, El Herido, El Brazo, Casa Mota	27	13		19-Dec-19	El Pital	9	6		17-Jan-20	San Carlos El Amate	16	15		7-Feb-20	Los Llanitos	22	27		<p><b>P3-1: Restoration of ecosystem in ANP Las Moritas</b></p> <p>Maintenance work plantation area under Pollo Campestre was conducted in Jan 2021.</p> <p><b>PP3-2:Agroforestry and silvopasture</b></p> <p>Monitoring of the model farms continued for 3<sup>rd</sup> cropping season till Jan 2021. Thereafter, the monitoring has been deterred.</p> <ul style="list-style-type: none"> <li>- For 4<sup>th</sup> cropping season, necessary farm inputs were</li> </ul>
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			<ul style="list-style-type: none"> <li>- Between Feb – Jun 2019, all pilot activities including procurement of necessary farm inputs and technical guidance were placed under the direct undertakings of JET. 2<sup>nd</sup> cropping was done between Jun – Mar 2020.</li> <li>- Regular monitoring was carried out by JET during the period.</li> <li>- The details of the inputs provided by JET for the farmers are given in the table below.</li> </ul>					<p>procured between April – May 2021. Seeding of pasture grasses and fodder trees were carried out between June and July 2021. Thereafter, on-farm guidance was provided from time to time.</p>	
			No.	Type of Work	Plot Size (ha)	Main on-Farm Infrastructure Developed with assistance from JET	Location		
			1	SSP	2.1	3 check dams (cascade) 1 water trap pit Contour ditch	La Estrechura		
			2	SSP	2.1	Fencing 1 water trap pit Contour ditch	Olomega		
			3	SAF	0.7	Rainwater harvesting structure 4 water trap pits Stone terrace	Olomega		
			4 (x)	SAF	1.4	Rainwater harvesting structure 2 water trap pits 6 stone walls 6 check dams	Los Riyitos		
			5 (x)	SAF	0.7	5 check dams 2 Rainwater harvesting structures 5 water trap pits Contour ditch	Piedra Pacha		
			6 (x)	SAF	0.7	4 check dams 1 rainwater harvesting structure 2 water trap pits Contour ditches	Piedra Pacha		
			7	SSP	1.4	2 water trap pits Contour ditches Fencing	Piedra Pacha		
			8	SAF	0.7	1 Rainwater harvesting 2 water trap pits Contour ditches 5 check dams Stone terracing Fencing	Calle Nueva		
			9	SSP	1.4	1 water trap pit Contour ditches Fencing	Calle Nueva		

Output	Activity	Progress till the Mid-term (September 2018)	Status at the Completion Report (January 2021)				Progress till the End of the Extension Period																				
			10	SSP	1.4	3 check dams 1 water trap pit Contour ditches Fencing	Calle Nueva	<p data-bbox="1816 722 2098 746"><u>PP-4:GAP for sugarcane farmers</u></p> <p data-bbox="1816 746 2098 791">- Work completed in the previous period.</p>																			
			<p data-bbox="1187 308 1816 432">- In addition to the above, the seeds and saplings, fertilizers and pesticides to control termites were provided by JET. These farms were placed under the care of each owner. The owners were made responsible for arranging the necessary labor for creating fencing and ensure day to day operation of the farm.</p> <p data-bbox="1187 432 1816 456"><u>PP-4:GAP for sugarcane farmers</u></p> <p data-bbox="1187 456 1816 555">- GAP Advance Program was conducted between Jan 2019 and Nov 2020. The participants are sugarcane farmers, plantation managers and sugarcane farm owners. 5 essential practices were introduced at the individual farms.</p> <table border="1" data-bbox="1187 555 1816 911"> <thead> <tr> <th data-bbox="1187 555 1435 632">Practices</th> <th data-bbox="1435 555 1621 632">Date</th> <th data-bbox="1621 555 1816 632">No of Farmers Participated (Persons)</th> </tr> </thead> <tbody> <tr> <td data-bbox="1187 632 1435 676">1st Practice: Preparation of the Bio Bed</td> <td data-bbox="1435 632 1621 676">7<sup>th</sup> Mar 2019</td> <td data-bbox="1621 632 1816 676">18</td> </tr> <tr> <td data-bbox="1187 676 1435 721">2nd Practice: Integrated pest control</td> <td data-bbox="1435 676 1621 721">25<sup>th</sup> Apr 2019</td> <td data-bbox="1621 676 1816 721">30</td> </tr> <tr> <td data-bbox="1187 721 1435 766">3rd Practice: Calibration of the sprayer</td> <td data-bbox="1435 721 1621 766">13<sup>th</sup> Jun 2019</td> <td data-bbox="1621 721 1816 766">17</td> </tr> <tr> <td data-bbox="1187 766 1435 810">4th Practice: Reforestation</td> <td data-bbox="1435 766 1621 810">22<sup>nd</sup> Aug 2019</td> <td data-bbox="1621 766 1816 810">40</td> </tr> <tr> <td data-bbox="1187 810 1435 855">5th Practice: Soil Analysis</td> <td data-bbox="1435 810 1621 855">26 Sep 2019</td> <td data-bbox="1621 810 1816 855">19</td> </tr> <tr> <td data-bbox="1187 855 1435 911">Total</td> <td data-bbox="1435 855 1621 911"></td> <td data-bbox="1621 855 1816 911">124</td> </tr> </tbody> </table> <p data-bbox="1187 911 1816 1110">- The concept of the GAP Advance Program Guide was developed in Sep 2019 and the draft was prepared between Dec 2019 – Mar 2020 and finalized between Apr – Oct 2020.</p> <p data-bbox="1187 986 1816 1031">- In Aug 2020, reforestation activity along Rio Grande was carried out, which is one of the GAP activities.</p> <p data-bbox="1187 1031 1816 1110">- Regularly reviewed the progress report submitted by the sub-contractor conducting the GAP Advance Program, FUNDAZUCAR. (July 2019; Sept 2019; Dec 2019)</p>				Practices		Date	No of Farmers Participated (Persons)	1st Practice: Preparation of the Bio Bed	7 <sup>th</sup> Mar 2019	18	2nd Practice: Integrated pest control	25 <sup>th</sup> Apr 2019	30	3rd Practice: Calibration of the sprayer	13 <sup>th</sup> Jun 2019	17	4th Practice: Reforestation	22 <sup>nd</sup> Aug 2019	40	5th Practice: Soil Analysis	26 Sep 2019	19	Total	
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Total		124																									
	3.5 Develop implementation guidelines based on the pilot activities	Work commenced in the next period.	<p data-bbox="1187 1121 1816 1145"><u>PP-1:Water quality monitoring and control of invasive exotic species</u></p> <p data-bbox="1187 1145 1816 1190">- Water quality monitoring manual was finalized and adopted by MARN (Feb 2019)</p> <p data-bbox="1187 1190 1816 1214">- Monitoring Plan for Invasive Species was revised (Dec 2020).</p> <p data-bbox="1187 1214 1816 1275"><u>PP-2: Environment education, communication, and value addition of wetland</u></p> <p data-bbox="1187 1275 1816 1319">- A report on knowledge and attitudes of schools in San Miguel towards Ramsar Wetlands was finalized. (Jun 2019)</p> <p data-bbox="1187 1319 1816 1364">- The learning guides for Ramsar Environmental Education Complex were finalized in June 2019.</p> <p data-bbox="1187 1364 1816 1425">- Biodiversity monitoring manual for Olomega and El Jocotal (ver. 2) was finalized in Dec 2019.</p>				<p data-bbox="1816 1414 2098 1437"><u>PP-3:Reducing disaster risk in</u></p>																				

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			<p><u>PP-3:Reducing disaster risk in ecosystems to address adaptation to Climate Change</u></p> <ul style="list-style-type: none"> <li>- SAF &amp; SSP simple manual was prepared in April 2019 and revised in Nov and Dec 2019.</li> <li>- Simple guide for Leucaena cropping was drafted in Sep 2019.</li> <li>- ANP Restoration guide, Agroforestry Guide, and Silvopasture Guide have been drafted by Jan 2021.</li> </ul> <p><u>PP-4:GAP for sugarcane farmers</u></p> <ul style="list-style-type: none"> <li>- FUNDAZUCAR and JET jointly drafted the GAP manual (Dec 2019).</li> <li>- Prepared draft GAP Instruction Guide (Dec 2019).</li> <li>- Facilitator Guide for GAP for the Conservation and Wise Use of Wetlands and its Ecosystem, and Guide for Ecological Restoration in Sugarcane Cropping Area have been prepared and finalized by Jan 2021.</li> <li>- Guide for GAP for the Conservation and Wise Use of Wetlands and its Ecosystem has been revised.</li> </ul>	<p><u>ecosystems to address adaptation to Climate Change</u></p> <ul style="list-style-type: none"> <li>- Draft ANP restoration and maintenance guide was prepared between Jul 2020 and Jan 2021.</li> <li>- Agroforestry Guide, Silvopasture Guide, and National Nature Reserve Management Guide were completed (July 2021)</li> </ul>
3.6	Conduct Workshops to share experiences of participating in pilot activities for the non-participating community members	<p><u>PP-1:Water quality monitoring and control of invasive exotic species (Scheduled in 2019 onwards)</u></p> <p><u>PP-2: Environment education, communication, and value addition of wetland</u></p> <ul style="list-style-type: none"> <li>- Conducted a workshop in MINED San Miguel regarding the mainstreaming of environmental activities in their official curriculum (20 participants) (28 Aug 2019)</li> </ul> <p><u>PP-3:Reducing disaster risk in ecosystems to address adaptation to climate change (Scheduled in 2019 onwards)</u></p> <p><u>PP-4:GAP for sugarcane farmers (Scheduled in 2019 onwards)</u></p>	<p><u>PP-1:Water quality monitoring and control of invasive exotic species</u></p> <ul style="list-style-type: none"> <li>- Conducted 1<sup>st</sup> water quality monitoring in <u>Guija lagoon</u> (Feb 2020)</li> <li>- Prepared 1<sup>st</sup> water quality monitoring report in <u>Guija lagoon</u> (Feb 2020)</li> <li>- Conducted 1<sup>st</sup> invasive aquatic plants monitoring in <u>Metapan lagoon</u></li> </ul> <p><u>PP-2: Environment education, communication, and value addition of wetland</u></p> <ul style="list-style-type: none"> <li>- Educational tools developed for El Jocotal wetland education center have been shared with other stakeholders as below.</li> <li>- Two panels were installed in the interpretation center of park ranger's office in <u>Laguna Guija</u> (Jul 2019)</li> <li>- Environmental Education Games presented to new Minister (Sep 2019)</li> <li>- JET also attempted to promote El Jocotal wetland education center with MITUR (Oct 2019) and MINED Central (Nov 2019).</li> <li>- Visited Environmental Judge in San Miguel to promote El Jocotal Environmental Education Complex (Nov 2019).</li> <li>- Shared a report of CEPA annual action plan with all the Ramsar sites in El Salvador at National Wetland committee Meeting.</li> <li>- The project continues to promote MINED San Miguel to integrate the visits to El Jocotal environment education complex into the school curriculum of San Miguel.</li> <li>- The project took part in a webinar for the University students as part of environmental education campaign (Universidad de las Asambleas de Dios/18 Aug 2020, Universidad Modular Abierta/ 21 Aug 2020).</li> </ul> <p><u>PP-3:Reducing disaster risk in ecosystems to address adaptation to climate change</u></p> <ul style="list-style-type: none"> <li>- JET participated in SICA seminar and shared the experiences</li> </ul>	<p><u>PP-1:Water quality monitoring and control of invasive exotic species</u></p> <ul style="list-style-type: none"> <li>- Conducted 2<sup>nd</sup> water quality monitoring in Guija lagoon in March 2021.</li> </ul> <p><u>PP-2: Environment education, communication, and value addition of wetland</u></p> <ul style="list-style-type: none"> <li>- World Wetland Day Webinar was conducted on 15<sup>th</sup> February 2021 attended by 130 participants.</li> <li>- 4<sup>th</sup> training of El Jocotal Lagoon community guide with 6 participants was conducted in April 2021.</li> <li>- 1<sup>st</sup> training of the Olomega Lagoon community guide with 7 participants was conducted in May 2021.</li> <li>- Held an event for distribution of replicas of environmental education materials from El Jocotal Ramsar Wetland Education Centre to 100 schools in El Salvador and 3 sets were presented to an elementary school near Lake Metapan (Caserio El Desague).</li> </ul>



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			<p>from pilot activities.</p> <ul style="list-style-type: none"> <li>- JET initiated the dialogue with FONAES (Jul 2019) and organized site visits for other institutions to share the experiences of SAF/ SSP (Sep 2019).</li> </ul> <p><b>PP-4:GAP for sugarcane farmers</b></p> <ul style="list-style-type: none"> <li>- GAP Advance course closing, and promotional seminar was conducted. (Dec 2019).</li> </ul>																																																																																											
4. Networking is enhanced with stakeholders concerning other wetlands in and outside of El Salvador through dissemination of knowledge and experience gained in the project.	4.1 Prepare PR materials using outputs such as the wetland management plan and pilot activities and conduct various PR activities.	<p>➤ Information Dissemination Strategy</p> <ul style="list-style-type: none"> <li>- Public relation action plan and its attachments in English were revised. (Jul 2018)</li> <li>- Public relation action plans have been prepared and revised since April 2016. The latest Ver. 3.2 and its attachments in Spanish and English were finalized. (Sep 2018)</li> </ul> <p>➤ Communication and Publication materials developed</p> <ul style="list-style-type: none"> <li>- Various types of media were devised to promote the project activities and publicize the progress and results of the project activities.</li> </ul> <table border="1"> <thead> <tr> <th>Sl. No</th> <th>Title of Publication</th> <th>Date of Issue</th> <th>Language (E/ S)</th> <th>No Printed</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Project Brochures ver. 1</td> <td>Jul-16</td> <td>S</td> <td>1,000</td> </tr> <tr> <td>3</td> <td>Project Brochure ver. 2</td> <td>Feb-17</td> <td>S</td> <td>1,500</td> </tr> <tr> <td>4</td> <td>Brochures 3</td> <td>Sep-17</td> <td>E</td> <td>300</td> </tr> <tr> <td>5</td> <td>Newsletter Vol. 1</td> <td>Feb-17</td> <td>S</td> <td>500</td> </tr> <tr> <td>6</td> <td>Newsletter Vol. 1</td> <td>Sep-17</td> <td>E</td> <td>300</td> </tr> <tr> <td>6</td> <td>Newsletter Vol. 2.</td> <td>Dec-17</td> <td>S</td> <td>100</td> </tr> </tbody> </table> <ul style="list-style-type: none"> <li>- Project novelty goods (tote bag, T-Shirt, coaster) were prepared and distributed during the event including World Wetland Day and COP-13.</li> <li>- Facebook posting: 71 postings up to September 2018. All the postings were done as per the guidelines prepared by JET.</li> <li>- Project basic page in MARN site was prepared.</li> <li>- Articles for JICA web-site were prepared: May 2017, Oct 2017, Dec 2017, Sep 2018</li> <li>- Mailing list of MARN-JICA was launched in July 2016.</li> <li>- JET assisted in creating the WhatsApp group (Chairmen of each local wetland committees and MARN-JICA members) member list was created based on the PR Action Plan ver3-2. (July 2018) Further continued to create the second WhatsApp list with around 54 peoples who belong to local wetland committees (Sep 2018).</li> </ul>	Sl. No	Title of Publication	Date of Issue	Language (E/ S)	No Printed	1	Project Brochures ver. 1	Jul-16	S	1,000	3	Project Brochure ver. 2	Feb-17	S	1,500	4	Brochures 3	Sep-17	E	300	5	Newsletter Vol. 1	Feb-17	S	500	6	Newsletter Vol. 1	Sep-17	E	300	6	Newsletter Vol. 2.	Dec-17	S	100	<p>➤ Communication and Publication materials developed</p> <table border="1"> <thead> <tr> <th>Sl. 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For 2020 World Wetlands Day, T-shirts and bags were prepared and distributed to the participants (Jan 2020).</li> <li>- SNS: Facebook posts between Oct 2018 – Mar 2021 were 228. 169 articles were posted on Instagram.</li> <li>- Other means of information dissemination and awareness creation: Two types of mailing list and three Whatsapp groups are managed by the project to reach different categories of audiences.</li> <li>- Wetland Management Plan of Olomega and El Jocotal were uploaded on the project web site (Jan 2020).</li> <li>- Photo library has been prepared for Mar – Dec 2020.</li> <li>- Caps for PP 4 reforestation events (Gallery Forest Plantation by sugarcane farmers along the Rio Grande). (July 2020)</li> </ul>	Sl. 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Output	Activity	Progress till the Mid-term (September 2018)	Status at the Completion Report (January 2021)	Progress till the End of the Extension Period
	4.2 Organize site visits by inviting stakeholders of other Ramsar sites in El Salvador.	<ul style="list-style-type: none"> <li>- (The work was carried out as per PDM ver. 1.)</li> <li>- Proposal for the technical visit by other Ramsar sites in El Salvador was submitted in Sep 2017 and discussed with MARN.</li> <li>- Prior to the technical visits from other Ramsar sites, JET assisted MARN to organize the 1<sup>st</sup> National Workshop on the National Guideline for the establishment of Ramsar local committee (Nov. 2016) and assisted in formation of the local committees in other Ramsar sites as below.</li> <li>- <u>Assistance to other Ramsar Sites:</u> JET assisted the formation of the local committees for Jiquilisco, Jaltepeque, Barra de Santiago and Cerron Grande (Apr, Jul, Sep 2017). Jaltepeque local committee was officially recognized in Aug 2017 followed by Barra de Santiago and Cerron Grande in Sep 2017 and Jiquilisco and Guija in Dec 2017.</li> <li>- JET also supported 2 representatives from each local committee to take part in the National Ramsar Committee.</li> </ul>	<ul style="list-style-type: none"> <li>- (Attempts were made as per PDM ver. 2.)</li> <li>- Due to COVID-19, field activities were restricted after April 2020 and thus, the work progress has been hampered.</li> </ul>	World Wetland Day Event by Webinar held on 15 <sup>th</sup> February (130 participants).
	4.3 Organize/ participate in international events with stakeholders of other projects and countries particularly within the Central American Region in collaboration with the Ramsar Secretariat and CCAD.	<ul style="list-style-type: none"> <li>- JET participated in the workshop at Managua, Nicaragua on the project formulation for the regional biodiversity conservation organized by JICA and CCAD/ SICA (Aug 2016).</li> <li>- JET initiated the discussion with MARN to establishing the international network and the steps to be followed in Mar 2018. In Sep 2018, JET discussed with SICA on the same and continued dialogue.</li> <li>- JICA assisted Ms. Georgina of MARN to participate in the training course at Ramsar Regional Centre for Training and Research in the Western Hemisphere (CREHO) in Panama under the financial support by the project. (Course Title: Wetlands Management Plans with Focus on Climate Change/ 3-7 Oct 2017)</li> </ul>	<ul style="list-style-type: none"> <li>- JET supported the preparation of presentation for SICA/CCAD's Eco-DRR seminar with the participation of JICA HQs and also organized the field visit by the JICA mission for SICA/CCAD's Eco-DRR seminar. (Oct 2018)</li> <li>- Ms. Georgina of MARN and Mr. Asano of JICA participated COP13 of Ramsar Convention in Dubai under the financial support by the project. (23-27 Oct 2018)</li> <li>- Ms. Rosalba of MARN took part in IUCN 3<sup>rd</sup> Congress of Natural Areas of Latin America and Caribbean held in Lima, Peru. (15 – 17 Oct 2018)</li> </ul>	

### A-1.3 プロジェクト終了に際しての自己評価

#### 評価グリッド(評価5項目に沿った情報)

Criteria	Evaluation Question	Source	Information and data (from reports, questionnaire, Interview, and hearing)	
			at the time of the Terminal Evaluation (August 2021)	additions at the end of the project period
1 Relevance	1-1 New development of laws, national policies, and strategic documents associated with sustainable wetland management in El Salvador.	MARN	The project has created the legal basis for the national and local wetland committees to be organized and operate towards sustainable wetland management in El Salvador. Following documents and decrees were prepared during the implementation: “Technical guide for the elaboration of Management plans for Ramsar sites and other wetlands (Sep 2016)”, “Decree No 54 Creation of National Wetland Committee (Sep 2016)”, and “Guide for the formation of local Ramsar Committees in El Salvador (Apr 2016)”. Furthermore, the project assisted in preparation of CEPA National Plan for 2018-2022 (Nov 2018) which outlines the education and sensitization strategy for wetland conservation and sustainable management in the country. The project also assisted in preparation of annual action plan for 2019 and 2020.	- CEPA action plan for 2021 was developed. - Technical documents that facilitate sustainable wetland dmanagement such as biodiversity and water quality monitoring manuals, guides for agro forestry, siovopasture, and protected area management, GAP guide for sugarcane growers and etc, were finalized by the project.
	1-2 Change of mandate/structure and staff of implementing agencies that may affect the project implementation.	MARN/ JET	There has been no change of mandate and structure in MARN concerning wetland management. MARN placed 12 personnels for the project. The project built good rapport with the C/Ps and thus, expertise on sustainable wetland management and wise use were effectively shared with the MARN staff including the field level staff. There has been some changes in the C/Ps, however, the key personnel remained the same, which in other words assumes the retention of the organizational memory.	-
	1-3 Alignment of the Project with the needs and expectation of implementing agencies.	MARN	The overall project design was based on the technical needs and expectations of MARN and thus, no change was made after the commencement of the project. On the other hand, the pilot projects to develop models for sustainable wetland management, the activities were reviewed and revised to respond to the actual field condition based on the information and data collected at the beginning of the project. Pilot projects under Output 3 were reformulated based on the drivers of wetland degradation identified in Wetland Management Plans of Olomega and El Jocotal. Also keeping in view of relevance to MARN’s mandate and to the needs of riparian communities of Olomega and El Jocotal. The revised pilot projects were: PP-1 Water quality monitring and control of invasive exotic species; PP-2 Environment education, communication and value addition of wetland; PP-3 Reducing disaster risk in ecosystems to address adaptation to climate change; and PP-4Good Agricultural Practice (GAP) for sugarcane to reduce negative enviroinmental impact.	-
	1-4 Priority areas of the Government of Japan for the development assistance to El Salvador.	JICA El Salvador Office	The Japan’s country specific Development Assistance Policy for El Salvador formulated in 2017 highlights environment and disaster control are among the key intervention areas. This project, through wetland and environmental conservation, has attempted to enhance resilience towards climate change impacts. Thus, this project has contributed in realizing the JICA’s country specific policy.	-
2 Effectiveness	2-1 Attainment level of Output 1	JET/ MARN	All the indicators were achieved satisfactorily. The details are given in Achievement Reports Achievement Reports (B-1, B-2, B-3, B-4).	As in Achievement Reports (B-1, B-2, B-3 &B-4).
	2-2 Attainment level of Output 2	JET/ MARN	All the indicators were achieved satisfactorily. The details are given in Achievement Report (C-1).	As in Achievement Report (C-1).
	2-3 Attainment level of Output 3	JET/ MARN	The assessment of Output 3 was undertaken on the basis of achievements of 4 pilot projects. PDM was prepared for each pilot project and used for monitoring and evaluation. Each pilot project has made successful achievements for most of the indicators. The details are given in Achievement Reports (D-1, D-2, D-3, D-4, D-5).	As in Achievement Reports (D-1, D-2, D-3, D-4, D-5).
	2-4 Attainment level of Output 4	JET/ MARN	Most of the indicators were achieved satisfactorily so far. Only the indicator 4-3 which is to organize more than one national event is delayed due to the restrictions posed by the spread of COVID-19. The details are given in Achievement Report (E-1).	As in Achievement Report (E-1).

	2-5 Prospect of the Project Purpose to be achieved by the end of project period, August 2021.	JET/ MARN	All the project activities were carried out in a timely manner and progress was kept up to the plan up to March 2020. Thereafter, due to COVID-19, the project suffered the limitation in mobility and face-to-face gatherings and meetings. Some activities were delayed or otherwise carried out virtually. Such activities included the election of the local committee members, awareness programmes, environmental education programmes and etc. Despite such challenges, the project purpose has been achieved by the end of the project period. Moreover, the knowledge and models created under the project has already begun to be transferred and applied in the management practices in other Ramsar wetlands in the country, which means the partial achievement of the overall goal.	The project purpose was achieved by March 2020 successfully.																											
3 Efficiency	3-1 Clarity and understanding of PDM, the overall plan of the project.	JET/ MARN	JET as well as MARN shared clear understanding of PDM. JET has used PDM as a frame of reference to manage the project activities and assess the achievement from time to time. In addition, the project has developed PDM for each pilot project to manage the pilot activities, which had helped to maintain logical coherence of each pilot project to PDM of the project.	-																											
	3-2 Input of Japanese side – dispatch of experts.	JET	The sub-chief advisor/ community development and institutional strengthening was replaced by another expert from Feb 2020. This change did not have any impacts on the progress of the project activities. Otherwise, the Japanese experts were dispatched in a timely manner.	- By the end of the project, JET consumed 88.34 MM in El Salvador and 19.08 MM in Japan in total. Inputs by each expert are given in Annex 1.1. List of Dispatched Experts.																											
	3-3 Input of Japanese side – training in Japan.	JET	Eight (8) MARN staff took part in the counterpart training in Japan between 29 <sup>th</sup> July and 11 <sup>th</sup> August 2017. The list of participants are given as below.	-																											
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3-4 Input of Japanese side – provision of equipment.	JET	The procurement of the equipments were undertaken in a timely manner. In total, 68 items to the value of 4345,000JPY (Annex 1.5.1) were procured. The list of equipments procured by JET is given in Annex 1.4.2.	-																												
3-5 Input of El Salvadoran side – assignment of counterpart personnel.	JET	As reported under 1-2, MARN constantly placed 12 counterparts personnel in during the project period and among them seven (7) personnels were constantly placed for the project. The list of C/P can be found in Annex 1.2.1. MARN worked closely with JET in implementing the project activities and facilitated stakeholder coordination at the various levels. In addition, the expertise were shared with the MARN staff including the field level staff.	-																												
3-6 Input of El Salvadoran side – disbursement for project operation.	MARN/ JET	The total value of 235,975.24 USD (Annex 1.5.2) was disbursed by MARN for the project operation. MARN has ensured the timely disbursement for the project, which facilitated the constant progress of the project activities.	-																												



	3-7 Communication (periodical and daily) for project coordination – between MARN and JET.	JET/ MARN	MARN and JET maintained close communication. As the office of JET was situated within MARN, frequent and timely communication was possible during the project. Furthermore, use of Whatsapp and TEAMS was effective in maintaining the frequent communication level especially when JET suspended travel to El Salvador due to COVID-19 pandemic after April 2020. Thereafter, JET started weekly meeting from Japan with the national staff in El Salvador to keep the project implementation on track. The reporting and discussion were done in a timely manner. The rapport between MARN and JET was well established which facilitated the smooth implementation of the project activities.	- JET continued to work with the national team members and MARN C/P by devising on-line communication tools such as Whatsapp and TEAMS. This has enabled all the team members and C/Ps to communicate in a timely manner. By this JET could also keep track of the field condition and guide the national team members to execute the work in time.																								
	3-8 Communication (periodical and daily) for project coordination – among El Salvadoran organizations.	MARN/ JET	<p>JCC was organized as below with participation of the concerned organizations. This has provided the opportunity for the project to report the progress to the concerned organizations in El Salvador and to discuss any issues that need to be addressed collectively or by the concerned organization to facilitate the project implementation. Especially, JET has took advantage of JCC to build partnership with other organizations such as MITUR, MAG and MINED.</p> <table border="1" data-bbox="707 523 1615 703"> <thead> <tr> <th>Date</th> <th>Attendee</th> </tr> </thead> <tbody> <tr> <td>1st JCC: 22 Jun 2016</td> <td>MARN, MAG, MITUR, JICA, JET</td> </tr> <tr> <td>2nd JCC: 13 June 2017</td> <td>MARN, Olomega &amp; Jocotal Local Committee Presidents, JICA, JET</td> </tr> <tr> <td>3rd JCC: 14 June 2018</td> <td>Ditto</td> </tr> <tr> <td>4th JCC: 5 September 2019</td> <td>Ditto</td> </tr> <tr> <td>5th JCC: 27<sup>th</sup> September 2021</td> <td>MARN, JICA, JET</td> </tr> </tbody> </table>	Date	Attendee	1st JCC: 22 Jun 2016	MARN, MAG, MITUR, JICA, JET	2nd JCC: 13 June 2017	MARN, Olomega & Jocotal Local Committee Presidents, JICA, JET	3rd JCC: 14 June 2018	Ditto	4th JCC: 5 September 2019	Ditto	5th JCC: 27 <sup>th</sup> September 2021	MARN, JICA, JET	<p>- Communication with the El Salvadoran organisations such as MITUR and MINED was done through the national team members from time to time.</p> <p>- Final JCC was conducted on 27<sup>th</sup> September 2021 in San Salvador with participation of MARN, JICA and JET.</p>												
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	3-9 Methods and contents of technology/knowledge transfer from JICA experts to El Salvadoran counterpart and partner organizations.	JET/ MARN, MINED, MAG, FUNDAZ UCAR, etc.	<p>JET has shared the methods developed by the project with counterparts and other organizations through day to day interaction, meetings and site visits. Summary of the topics and mode of technical transfer is given in the table below and full list of outputs produced by the project is given in Annex 2.</p> <table border="1" data-bbox="707 804 1615 1134"> <thead> <tr> <th>Subject</th> <th>C/P or Partner Organizations</th> <th>Mode of knowledge sharing/ technology transfer</th> </tr> </thead> <tbody> <tr> <td>Zoning</td> <td>MARN (GIS)</td> <td>Hands-On/ Manual</td> </tr> <tr> <td>Invasive Exotic Species Monitoring</td> <td>MARN (GIS)</td> <td>Hands-On/ Manual</td> </tr> <tr> <td>Water Quality &amp; Biodiversity Monitoring</td> <td>MARN</td> <td>Hands-On/ Manual</td> </tr> <tr> <td>Awareness creation/ education on wetland conservation and wise use</td> <td>MARN (Education)</td> <td>Pamphlets/ Videos/ Panels/ Board games/ Community Guides</td> </tr> <tr> <td>Reforestation of ANP</td> <td>MARN</td> <td>Guide</td> </tr> <tr> <td>Agroforestry/ Silvopasture</td> <td>MARN/ MAG/ FONAES</td> <td>Guide</td> </tr> <tr> <td>GAP for sugarcane producers</td> <td>MARN/ FUNDAZUCAR</td> <td>Guide</td> </tr> </tbody> </table>	Subject	C/P or Partner Organizations	Mode of knowledge sharing/ technology transfer	Zoning	MARN (GIS)	Hands-On/ Manual	Invasive Exotic Species Monitoring	MARN (GIS)	Hands-On/ Manual	Water Quality & Biodiversity Monitoring	MARN	Hands-On/ Manual	Awareness creation/ education on wetland conservation and wise use	MARN (Education)	Pamphlets/ Videos/ Panels/ Board games/ Community Guides	Reforestation of ANP	MARN	Guide	Agroforestry/ Silvopasture	MARN/ MAG/ FONAES	Guide	GAP for sugarcane producers	MARN/ FUNDAZUCAR	Guide	-
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Agroforestry/ Silvopasture	MARN/ MAG/ FONAES	Guide																										
GAP for sugarcane producers	MARN/ FUNDAZUCAR	Guide																										
	3-10 Facilitating/ hindering factors that may have affected the Project implementation.	JET	<p>Facilitating factor: Having good rapport with MARN facilitated the project implementation process. Further, partnership with other organizations such as MINED, MITUR, Las Perlitas, Pollo Campestre, FUNDAZUCAR not only made the project activities implementation process effective and efficient but also sustainable. For instance, MINED and MITUR can utilize the El Jocotal Environment Complex for educational and responsible tourism purposes. Private companies such as Las Perlitas and Pollo Campestre pledged their supports to reforestation activities in ANP Las Moritas even after the project period ends. FUNDAZUCAR will continue using the GAP training materials developed out of the project to train more sugarcane farmers in sustainable sugarcane farming.</p> <p>Hindering factor: The unexpected spread of Covid-19 had posed challenges to the project. Restrictions in movements and meetings/ gatherings has affected the movements of MARN, JET and field staff and field level interaction with the communities.</p>	<p>- COVID-19 has prevented the JET to travel to the sites as planned and posed unforeseen challenges to the project implementation.</p> <p>- However, JET and national team members overcome this challenge by taking advantage of web-based meetings/ communications, which worked well.</p>																								

			JET was unable to travel since April 2020 but made the best effort to facilitate the field activities by the El Salvador based team members to carry out the field activities although their movements within the country were also restricted.	
4 Impact	4-1 Prospect of achieving the overall goal in 3 to 5 years after the termination of Project in March 2021.	MARN/ JET	The smooth implementation of the project activities had brought early manifestation of the project impact. The replication of the models developed by the project has been partly seen in other Ramsar wetlands such as Metapan, Guija and Cerron Grande. Thus, it is highly likely that the impact will be achieved within 3-5 years of the project completion.	- Given the fact that the National Ramsar Committee and Olomega and El Jocotal local committees are operating smoothly, it is likely that the overall goal can be achieved by the guidance of MARN.
	4-2 Ongoing/possible collaborations, if any, with multi/bi-lateral development partners (UN, NGO, civil society, and private sector)	JET	<p>Prior to the project implementation, various efforts were made by FIAES (the US-El Salvador Foundation), Spanish government, and etc, on which outputs this project implemented the activities and further strengthened the basis for sustainable wetland management.</p> <p>During the project period, UNDP project “ Conservation, sustainable use of biodiversity, and maintenance of ecosystem services in protected wetlands of international importance (2016-2020)” financed by GEF was implemented. The nature of the project was very much similar to this project. Thus, the project proactively sought collaboration with the UNDP-GEF project.</p> <p>The project actively solicited the engagement of various types of organizations. Especially, the project had achieved a success in drawing private sector participation. The overview of the collaboration with various stakeholders were given below.</p> <ul style="list-style-type: none"> <li>- Private Sector Engagement: The project successfully engaged the private sectors in management of wetland and its riparian ecosystems. Las Perlitas and Pollo Campestre have contributed to the restoration of forest in ANP Las Moritas and supported wetland conservation events in kind. Aqua Limpia was also another private company submitted a proposal to install the bio gas digester in Guija and submitted the proposal to MARN, which review was assisted by JET.</li> <li>- FUNDAZUCAR: The project jointly worked with FUNDAZUCAR to train the sugarcane producers to adopt GAP as their unsustainable farming practices have negatively impacted on the wetland ecosystem.</li> </ul>	- JET continues to explore possibilities with multinational and bi-lateral donor organisations.
	4-3 Any positive/negative impact brought about by the Project (Policy and research development, Poverty reduction, environmental protection, and gender equality.)	JET/ MARN	<p>(+)</p> <ul style="list-style-type: none"> <li>- Establishment of National Ramsar Committee and local wetland committees had provided platforms for collaborative action on wetland conservation. This has contributed MARN’s effort in wetland conservation.</li> <li>- The project has brought a number of positive impacts in the area of wetland education. The project area was taken as a model case of wetland education. Educational/ sensitization materials were developed and also web-based education program for University students was carried out. Furthermore, JET discussed with MINED San Miguel to integrate the wetland education program as part of the annual school action plan. These are valuable contribution to the future generation.</li> <li>- Another positive impact was the private sector engagement in wetland ecosystem. Owing to the proactive action taken by JET, well-known private companies like Las Perlitas and Pollo Campestre decided to support the reforestation activities in ANP Las Moritas. This reforestation activity also created local employment which supported the community members to enhance their livelihood and further created amongst the community members of the sense of ownership of forest as they plant and protect by themselves as implementor of the work. Such community awareness has also prevented the forest fire which otherwise was rampant.</li> <li>- Developing practical guides for agroforestry and silvopasture for the farmers and GAP for sugarcane producers has led to shift of conventional farming practices towards sustainable ones.</li> </ul> <p>(-)</p> <ul style="list-style-type: none"> <li>- There has been no negative impact induced by the project.</li> </ul>	-

5 Sustainability	5-1 Prospect from institutional viewpoint (Legislation and policies, Rule and regulation, standard operational procedures, Responsible organization and division, Participation of stakeholders)	MARN	<p>As the legal status of the national and local wetland committees was formalized, they have the basis for continuity of their existence and functioning. However, they may continue to require technical guidance and facilitation of MARN to organize the meetings on a regular basis and monitor and carry out wetland conservation activities in a timely manner.</p> <p>Private sector engagement would also need continuous facilitation and technical guidance by MARN once the project is completed. Las Perlitas and Pollo Campestre had signed the agreement for 5 years. During the period, the community will carry out the nursery raising, maintenance and transplanting. Thus, the monitoring may be required on a regular basis whether the work is carried out as planned. Furthermore, the survival rate needs to be monitored.</p>	-
	5-2 Prospect from technical viewpoint (Technology/knowledge and its update, Deliverables and its maintenance, Educational materials Training opportunities)	JET/ MARN, MINED, MITUR	<p>The project had given emphasis on documenting the project outputs and transferring technical knowledge to the counterpart personnel on hands-on- basis. Further, such knowledge has already started to be embraced by the counterparts as well as by the field level staff of MARN. Therefore, the technical knowledge especially water quality monitoring, zoning, biodiversity monitoring and controlling of invasive species are likely to be sustained. Wetland education is also likely to be sustained MARN. Especially the rangers at the El Jocotal Ramsar Education Centre who have been trained to guide the visitors of all categories can continue to guide the visitors and educate local community members using the educational materials and displays created under this project.</p> <p>Wetland management plans for Olomega and El Jocotal lagoons have been recognized by MARN as official documents. Thus, these plans will continue to provide the framework for the wetland management activities in the respective lagoons. However, the plans are to be monitored, reviewed and renewed. MARN has already acquired the expertise to prepare the wetland management plans and thus, they can continue to carry out the process.</p> <p>Environmental educational materials have been shared with MARN as well as the schools in the project area and are likely to be used in the school activities. This also indicates the possibility of the environment education activities initiated by the project may be carried out in the schools outside of the project area.</p> <p>GAP guidelines will also be used by FUNDAZUCAR to train the sugarcane growers in sustainable production methods of sugarcane.</p>	-
	5-3 Prospect from Human Resource viewpoint (Number of staff, Assignment of responsible personnel, His/her qualification and motivation, New recruitment and volunteer)	MARN/ JET	<p>As the activities concerning water quality monitoring, controlling of invasive species, facilitating the operation of national and local wetland committees, education and communication are within the purview of MARN's mandate, MARN's regular budgetary arrangement shall be done and the activities will be continued.</p> <p>Follow up on the plantation activities supported by Las Perlitas and Pollo Campestre in ANP Las Moritas may require regular monitoring and reporting to the supporting companies. Thus, the human resource arrangement after the project completion may need to be worked out by MARN.</p>	-
	5-4 Prospect from Funding viewpoint (Budget allocation for the activities, External financing from donor/private sector)	MARN, FONAES, MINED, FUNDAZ UCAR	<p>As the activities concerning water quality monitoring, controlling of invasive species, facilitating the operation of national and local wetland committees, education and communication are within the purview of MARN's mandate. Thus, MARN will make necessary arrangement.</p> <p>The agroforestry, silvopasture, and GAP for sugarcane growers have been shared among the stakeholders. Especially, GAP for sugarcane growers is adopted by FUNDAZUCAR and thus, necessary funding for training and extension of the sugarcane growers is expected to be met by them.</p> <p>As for the reforestation activities at ANP Las Moritas, the funding has already been secured for the post project period.</p>	- As for conservation of ANP Las Moritas, Pollo Campestre also financially committed to assist in reforestation activities.

## 資料編 1

### A-3 詳細 PO















Detailed Plan of Operations (Output 3)

Plan: activity
Plan: action
Actual: activity & action
Plan/Actual: work item

Ver. 3.3

Main table with columns for years 2016-2021 and rows for activities. Includes Gantt charts and project descriptions.

Please see MS for Pilot Projects

Please see MS for Pilot Projects

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### Pilot Project - Project Monitoring Sheet I (Evaluation Based on Indicators)

**Pilot Project Title: (PP1) Improvement of wetland ecosystems and wildlife habitat of the El Jocotal and Olomega Lagoons**

**Ver. 1.2**

Narrative Summary	Objectively Verifiable Indicators	Means of Verification	Important Assumption	Achievement	Outstanding Issues	Countermeasures
<b>PP - Project Purpose</b>						
<p style="text-align: center;">Object</p> <p>Biodiversity and wildlife habitats of El Jocotal wetland are improved, by controlling invasive plants and monitoring water quality.</p>	<p>1. Water quality monitoring, control of invasive plant and invasive water plants survey are executed by the budget of MARN, or other fund source such as FIAES and/or private company (as a part of CSR).</p>	<p>1.1. Annual work plan of MARN 1.2. Report of invasive plant control 1.3. Report of invasive water plants survey 1.4. Agreement. MOU with MARN to continue with the activities</p>		<p>&lt;water quality monitoring&gt; - Financial and technical sustainability seems to be high. - Since water quality monitoring is a part of MARN Wetland Unit's routine work for both Olomega and El Jocotal lagoons, it was conducted using MARN's annual budget, and therefore, financial sustainability is high. - Minimum necessary equipment were already equipped by MARN. Additional necessary equipment were procured by the project as well as Japanese embassy fund(non-project grant fund scheme) in 2017. &lt;exotic species control&gt; - Financial and technical sustainability seems to be high. - For the first trial of collaborative extraction with private company CAASA, El Transit municipal government and ADESCOS in 2018, costs were borne by those actors and minimum costs were borne by the project. (for example, labor were provided by ADESCOS, track was provided by El Transit municipal government, fuel cost was paid by the project, receiving costs were provided by Grupo CASSA). MARN committed to cover fuel cost in future to repeat similar collaborative activities. - For implementing the activities, boat and ramp were procured using FIAES fund in 2018. Two kayaks, meshes, rakes, boots and gloves were procured by the Project. Minimum necessary equipment were procured already, and no additional cost will be required in future. &lt;water plant monitoring by drone&gt; - Financial and technical sustainability seems to be high. - Several drone surveys were conducted by MARN staff with support of Japanese expert. Through OJT training provided by the Project, MARN staff became capable to conduct survey by themselves. Equipment were already procured by MARN and the Project. Only transportation cost will be required which will be provided by MARN using their annual budget.</p>		
	<p>2. Awareness of participants of control of exotic invasive species are raised toward wetland conservation.</p>	<p>2.1. Report of invasive plant control 2.2. Report on invasive water plants survey 2.3 List of manuals/ guidelines and quantities printed/ circulated 2.4 List of workshops/ seminars carried out including the number of participants</p>		<p>- For conducting the 1st trial of collaborative extraction, series of meetings with El Transit municipality, Grupo CASSA and ADESCOS were conducted. through the process, awareness were raised and became confident to work in collaboration.</p>		
	<p>3. The drivers causing the degradation of wetland are addressed in the plan.</p>	<p>3.1. Work plan of pilot project 1</p>		<p>- in the formulation process of pilot project 1, exotic invasive water plants were set as target driver for degradation. It was addressed sufficiently in the plan.</p>		
	<p>4. The pilot activity is replicated in other wetlands in the country. ( As an impact of PP1).</p>	<p>4.1. Report of the Pilot Project 1</p>		<p>- Conducted 1st invasive aquatic plants monitoring in Metapan lagoon in March 2020. Because of COVID-19, the report was prepared. - Conducted water quality monitoring in Guija lagoon, and annual report 2021 was prepared.</p>		
<b>PP - Outputs</b>						
<p>1 Water quality monitoring is improved.</p>	<p>1.1. Plan of water quality monitoring is prepared</p>	<p>1.1. Plan of water quality monitoring</p>		<p>- Finalized plan of water quality monitoring for both lagoons in Oct 2017 and revised the plan based on the monitoring activities in October 2017. So far, water quality monitoring activities has implemented 14 times as planned. In December 2019, MARN/JICA project reviewed current plan to continue this water quality monitoring continuously by MARN.</p>		
	<p>1.2. Reports of water quality monitoring are prepared</p>	<p>1.2. Report of water quality monitoring</p>		<p>- Prepared seventeen rapid reports of water quality monitoring and annual report 2018, 2019, 2020 and 2021 as planned. Park rangers of MARN El Jocotal office learned how to use equipment and how to fill in the data into database. - Published the annual report 2018, 2019 and 2020 on web-site of MARN.</p>		
<p>2 Exotic invasive species are controlled with participation of private sector.</p>	<p>2.1. Plan of control of exotic invasive species is prepared</p>	<p>2.1. Plan of control of exotic invasive species</p>		<p>- Conducted series of meetings and implemented laboratory based survey at Grupo CASSA and a laboratory in USA. Grupo Cassa agreed to carry out first trial in April 2018. - After the trial, Grupo CASSA showed their concern to use their incinerator for MARN/JICA project because of chemical contents of invasive plants. So that, coordinated with Grupo CASSA for the next pilot of removal of water plants and co-generation at Chaparrastique and started the investigation of potential technical problems for the boiler of the sugar mill. - MARN/JICA project participated Management Board of Grupo CASSA and presented our proposal for cogeneration using invasive plant. It was informed that Grupo CASSA would not be able to burn the material in their boiler but continue to support the effort. - Decided to explore alternatives, for example the generation of biogas using invasive plants to generate electricity. MARN/JICA project provided invasive plants extraction cost to Aqua Limpia through Grupo CASSA in September 2019. - Provided a proposal for biogas production. MARN/JICA project gave comments.</p>		
	<p>2.2. Report of control of exotic invasive species is prepared</p>	<p>2.2. Report of control of exotic invasive species</p>		<p>- The report on the first trial of energy cogeneration and shared with Grupo CASSA. Held a meeting with a board member of Grupo CASSA for preparatory activities for presentation of ecosystem services valuation in March 2019. The report was translated into Spanish and uploaded on the MARN's website. Based on the report, MARN applies for a project of biogas production using invasive water plant in Cerron Grande Wetland to Italian's fund.</p>		

3 Distribution of invasive water plants is surveyed.	3.1. Plan of invasive water plants survey is prepared	3.1. Plan of invasive water plants survey	<p>- Conducted three times of the trial and finalized plan of invasive water plants survey since December 2019.</p> <p>- The final draft of "Proposal of invasive aquatic plants and wetland ecosystem monitoring plan in El Jocotal Lagoon" was prepared in June, 2020.</p> <p>- The final draft of "Proposal of invasive aquatic plants and wetland ecosystem monitoring plan in El Jocotal Lagoon" was updated in December, 2020.</p>		
	3.2. Report of control of invasive water plants monitoring are prepared	3.2. Report of invasive water plants survey			
4 Works for sharing experiences of the pilot activities are conducted.	4.1. Guideline / manuals / etc. are prepared.	4.1. Guideline / manuals / etc.	<p>So far, prepared and formalized water quality monitoring manual in El Salvador.</p> <p>Finalized a plan of water quality monitoring in Guija lake in December 2019.</p> <p>Finalized plan of water quality monitoring in El Jocotal and Olomega lagoons version 2. The version 2 plan can achieve the same result in quality as before with less input.</p> <p>So far, visited Guija lagoon and prepared water quality monitoring plan. Conducted capacity building to park rangers in MARN Guija lagoon office. Conducted 2nd monitoring in Guija lagoon.</p> <p>Conducted 1st invasive aquatic plants monitoring in Metapan lagoon with park ranger of MARN Guija lagoon office and the report was prepared.</p>		
	4.2. Workshop / visit / etc. are conducted	4.2. Event report			





<p>&lt;Implementation - Detailed PO 3.4.1.&gt;                  2.5 Implementation of trial of control of exotic invasive species                  2.6 Preparation of the plan for the control of the exotic invasive species based on the findings from the trial under 2.5 (Monitoring)</p>	<p>Actual</p>		<ul style="list-style-type: none"> <li>- Held another meeting with Grupo CASSA (President) and decided the collaboration and exploration of alternatives. (July 2019)</li> <li>- Held another meeting with Grupo CASSA and Aqua Limpia Engineering, the Biogas generation company to explore the alternative use of water plants (August 2019)</li> <li>- Uploaded the report of first trial of energy cogeneration by burning the dried invasive plants of El Jocotal in Spanish (Nov. 2020)</li> </ul> <p>&lt;Assist new proposal for biogas production by Grupo CASSA&gt;</p> <ul style="list-style-type: none"> <li>- Provided invasive plants extraction cost to Grupo CASSA for their feasibility study for biogas production using invasive water plants. The study was conducted by Aqua Limpia (Sep. 2019).</li> <li>- Analyzed submitted proposal for "industrial bio digestion project using exotic invasive plants" by Aqua Limpia and made comments (Dec 2019)</li> <li>- Aqua Limpia made a presentation at MARN to collect comments from MARN on 9 Dec 2019 (Dec 2019)</li> <li>- Held a meeting with Aqua Limpia to finalize the proposal (Apr. 2020)</li> <li>- Finalized the proposal of biogas production using invasive water plants and submitted to MARN (Jul. 2020)</li> <li>- Assisted document preparation of biogas production using invasive water plants in Cerron Grande Wetland based on MARN-JICA project proposal. (Feb-Mar. 2021)</li> </ul>	
<p>&lt;Monitoring - Detailed PO 3.4.2.&gt;                  2.7 Preparation of report of control of exotic invasive species</p>	<p>Plan Actual</p>		<ul style="list-style-type: none"> <li>- Prepared report on the first trial of energy cogeneration using dried invasive plants from the wetland (Apr. 2018)</li> </ul>	
<p>&lt;Planning - Detailed PO 3.3.2.&gt;                  3.1 Consultation with C/P on exotic invasive species mapping by drone</p>	<p>Plan Actual</p>		<ul style="list-style-type: none"> <li>- Drafted survey menu of Jacinto in El Jocotal (Jul 2018, Tokue)</li> <li>- Updated survey menu of Jacinto and ecosystem in El Jocotal (Sep 2018, Tokue)</li> <li>- Drafted plan of invasive water plants survey (May 2019, Tokue)</li> <li>- Prepared plan of invasive water plants survey (May 2019, Tokue)</li> <li>- Revised plan of invasive water plants survey (July 2019)</li> <li>- Revised the plan of invasive water plants survey (July 2019)</li> <li>- Revised further the plan of invasive water plants survey (July 2019)</li> <li>- Revised the plan of invasive water plants survey (Sep 2019)</li> <li>- Finalized the plan of invasive water plants survey (Dec 2019)</li> </ul>	
<p>&lt;Implementation - Detailed PO 3.4.1.&gt;                  3.2 Preparation of plan for monitoring of invasive aquatic plants and wetland ecosystem in Laguna El Jocotal</p>	<p>Plan Actual</p>		<ul style="list-style-type: none"> <li>- Checked drone shooting condition in the field and taken trial photo (May 2019, Tokue)</li> <li>- Conducted 1st trial of invasive water plants survey (Sep 2019, Tokue)</li> <li>- Conducted 2nd trial of invasive water plants survey (Oct 2019, Yane)</li> <li>- Conducted invasive water plants survey (Jan. 2020 Yane)</li> </ul>	
<p>&lt;Monitoring - Detailed PO 3.4.2.&gt;                  3.3 Conduct trial monitoring based on the plan prepared under 3.2.</p>	<p>Plan Actual</p>		<ul style="list-style-type: none"> <li>- Prepared draft monitoring plan integrating the result of 1st trial of invasive water plants survey (Sep 2019, Tokue)</li> <li>- Revised draft monitoring plan integrating the result of 2nd trial of invasive water plants survey (Dec 2019, Tokue)</li> <li>- Revised draft monitoring plan which was prepared by Mr. Tokue (Jun 2020, Yanehashi)</li> <li>- Revised draft monitoring plan which was prepared by Mr. Tokue (Dec 2020, Yanehashi)</li> <li>- Finalized monitoring plan for invasive water plants. (Jan 2021, Yanehashi)</li> </ul>	
<p>&lt;PO 3-5.&gt;                  4.1 Develop guidelines, manual, etc.</p>	<p>Plan Actual</p>		<p>&lt;Water quality monitoring&gt;</p> <ul style="list-style-type: none"> <li>- Drafted wetland water quality monitoring manual in El Salvador (Jul 2018, Naga)</li> <li>- Finalized wetland water quality monitoring manual in El Salvador (Oct. 2, 2018 naga)</li> <li>- Started formalization process of the wetland water quality monitoring manual in El Salvador (Dec. 2018, Naga)</li> <li>- Formalized the wetland water quality monitoring manual in El Salvador (Feb. 2019, Naga)</li> <li>- Visited Gujia lagoon to prepare water quality monitoring plan for the lagoon (Apr. 2019)</li> <li>- Drafted water quality monitoring plan in Gujia lake. (Sep 2019)</li> <li>- Finalized water quality monitoring plan in Gujia lake (Dec 2019)</li> <li>- Finalized water quality monitoring plan version 2 (Dec 2019)</li> </ul> <p>&lt;water plant monitoring by drone&gt;</p> <ul style="list-style-type: none"> <li>- Finalized monitoring plan integrating the result of 2nd trial of invasive water plants survey (Dec 2019)</li> </ul>	
<p>&lt;PO 3-6.&gt;                  4.2 Conduct workshop or other event to share experience with non-participating stakeholders.</p>	<p>Plan Actual</p>		<ul style="list-style-type: none"> <li>- Conducted 1st water quality monitoring in Gujia lagoon (Feb 2020)</li> <li>- Prepared 1st water quality monitoring report in Gujia lagoon (Feb. 2020)</li> <li>- Conducted 1st invasive aquatic plants monitoring in Metapan lagoon (Mar. 2020)</li> <li>- Conducted training on water quality monitoring to park rangers in Gujia office of MARN (Mar. 2021)</li> <li>- Conducted 2nd water quality monitoring in Gujia lagoon (Aug 2021)</li> <li>- Prepared water quality monitoring annual report 2021 in Gujia lagoon (Aug. 2021)</li> <li>- Prepared 1st invasive aquatic plants monitoring in Metapan lagoon (Aug. 2021)</li> </ul>	

## Pilot Project - Project Monitoring Sheet I (Evaluation Based on Indicators)

**Pilot Project Title: (PP2) Pilot Project for environmental education, communication and value addition of wetland of El Jocotal and Olomega lagoons**

**Ver. 1.2**

Narrative Summary	Objectively Verifiable Indicators	Means of Verification	Important Assumption	Achievement	Outstanding Issues	Countermeasures
PP - Project Purpose						
<p style="text-align: center;">Object</p> <p>Vital value of Ramsar sites for biodiversity conservation and as eco-tourism destination is promoted through enhancing biodiversity monitoring and environmental education.</p>	1. Biodiversity monitoring and environmental education are executed by the budget of MARN, or other fund source such as FIAES and/or private company (as a part of CSR).	1.1. Annual work plan of MARN 1.2. Annual Report of MARN 1.3. Agreement/ MOU with MARN or other institutions to carry out the pilot activities in the post project period		<p>&lt;Biodiversity monitoring&gt;</p> <ul style="list-style-type: none"> <li>- Financial and technical sustainability seems to be high.</li> <li>- Since Wetland Unit of MARN completed biodiversity monitoring in El Jocotal and Olomega lagoons in 2019 together with park rangers of El Jocotal office as planned, they have enough skills already. Therefore, technical sustainability is high.</li> <li>- Necessary equipment were already equipped by the project. Therefore, financial sustainability is high. Started discussion between JICA expert team and MARN to enter this activities into MARN' annual work plan 2022.</li> </ul> <p>&lt;Environmental Education&gt;</p> <ul style="list-style-type: none"> <li>- Financial and technical sustainability seems to be high.</li> <li>- All facilities and exhibitions were already installed in El Jocotal Environmental Education Complex. Major budget item is the electricity of the education center. MARN has paid the cost from their budget. Therefore financial sustainability is high. Park rangers of El Jocotal office already trained and developed as guides of the Complex. Therefore, technical sustainability is high.</li> </ul>		
	2. Awareness of visitors of Ramsar Wetland Education Center, El Jocotal are raised toward wetland conservation.	2.1. Visitors records 2.2. List of manuals/ guidelines and quantity printed/ circulated 2.3. List of out-reach activities/ events carried out including the number of participants 2.4. (Same as 1.3)		<ul style="list-style-type: none"> <li>- All facilities, educational materials and exhibitions were already installed in El Jocotal Environmental Education Complex. Conducted capacity building to park rangers to guide the complex. Prepared three learning guide of environmental education activity for visitors from school. Conducted training to school teachers using the learning guides. Also conducted capacity building to local communities to develop community guide. El Jocotal Environmental Education Complex is ready for visitor acceptance. El Jocotal Environmental Education Complex was promoted by webinar program with MINED and MARN. Therefore, awareness of visitor has been raised.</li> </ul>		
	3. The drivers causing the degradation of wetland are addressed.	3.1. Work plan of Pilot Project 2		<ul style="list-style-type: none"> <li>- In the formulation process of pilot project 2, lacking of scientific knowledge and collaboration between national organizations, local organizations, school, and local communities were set as target driver for degradation of ecosystem of El Jocotal lagoon.</li> </ul>		
	4. The outputs of the Pilot Project 2 are adopted in other wetlands outside of the pilot site in response to the condition. (As an impact of PP2)	4.1. Report of the Pilot Project 2 4.2. (Same as 1.3.)		<ul style="list-style-type: none"> <li>- Installed two replicated panels into interpretation center of park ranger's office on Laguna Guija. Carried out training on bird monitoring for the Guija lagoon park rangers. Shared a report of CEPA annual action plan 2020 with all Ramsar site in El Salvador at National Wetland Committee Meeting. Prepared 1,000 replica of environ education material and started its distribution to all Ramsar sites in El Salvador. Therefore, the outputs of the Pilot Project 2 have been adopted in other wetlands of El Salvador.</li> <li>- Formalized biodiversity monitoring manual in El Salvador to be applied in other wetlands outside of the pilot site.</li> <li>- Carried out training of park rangers of Guija lagoon to do wetland bird monitoring. Conducted first monitoring in Guija.</li> </ul>		
PP - Outputs						
1 Facilities and materials for environmental education are developed.	1.1. Design and facilities of environmental education is prepared	1.1. Design and text of environmental education material and facilities		<ul style="list-style-type: none"> <li>- Inaugurated the center with panels, videos, fixed specimens in June 2018 as planned. Finished installation of all facilities and materials in July 2019.</li> </ul>		
2 Environmental education activity is planned and implemented.	2.1 CEPA national plan and annual action plan are prepared. 2.2 Community guides are developed. 2.3 Events/ awareness activities are carried out. 2.4 Visiting El Jocotal Environmental Education Complex is incorporated in school annual plan in San Miguel.	2.1. CEPA Plans 2.2 Training report 2.3. Event/ awareness activity report 2.4. Learning guide, program of site visit, report of environmental education in El Jocotal lagoon		<p>(2.1)</p> <ul style="list-style-type: none"> <li>- Policy documents are put in place. Prepared environmental education approach, environmental education complex master plan in June 2018. Also prepared CEPA national plan for wetland in November 2018 which was written in resolution VII.9 of COP9, Ramsar. This is the first CEPA national plan for wetland in El Salvador. Supported to select two CEPA focal persons in El Salvador which was recommended by the same resolution. Prepared CEPA annual action plan 2019 and 2020 with two CEPA focal persons. It was approved by the Director of MARN. The action plan 2019 was evaluated and reported in Wetland National Committee 2019. The action plan 2020 was reported in Wetland National Committee 2020. Prepared CEPA annual action plan 2021.</li> </ul> <p>(2.2)</p> <ul style="list-style-type: none"> <li>- Conducted four times training activities for local communities for providing guidance to the visitors and the school teachers to be able to integrate the visits to the El Jocotal Ramsar Wetland Education Center as part of the school activity</li> </ul> <p>(2.3)</p> <ul style="list-style-type: none"> <li>- Prepared a report of migratory bird event 2019, world wetland day event 2020, and world wetland event 2020, so far.</li> <li>- Accepted 403 visitors in the events and environmental education activity of schools and universities.</li> <li>- Five event reports were prepared.</li> <li>- Carried out educational seminar to ADESCO and the reports were prepared. So far, 251 peoples participated in total.</li> </ul> <p>(2.4)</p> <ul style="list-style-type: none"> <li>- Learning guides for the visiting students have been prepared.</li> <li>- Conducted a workshop at MINED San Miguel to promote El Jocotal Environmental Education Complex (20 participants).</li> <li>- Conducted promotion activities to MINED Central, MINED San Miguel, Environmental Judge San Miguel, MITUR.</li> <li>- Instead of site visiting, project prepared videos for webinar to promote El Jocotal Environmental Education Complex.</li> <li>- Instead of conducting site visits, project prepared copies of water cycle game to promote El Jocotal Environmental Education Complex and to raise awareness of wetland</li> </ul>		

3 Biodiversity monitoring is planned and implemented.	3.1. Plan and report of biodiversity monitoring are prepared	3.1. Report of biodiversity monitoring	<p>- Prepared plan of biodiversity monitoring in El Jocotal and Olomega lagoons in December 2018. Conducted biodiversity monitoring in both lagoons as planned. Conducted capacity building to park rangers. Dry season, wet season and annual monitoring reports were prepared in 2019. Based on the results of 2019, the plan of biodiversity monitoring was reviewed and revised as version 2. With the plan version 2, it is possible to obtain the same quality results as 2019 with fewer inputs (human resources, time and budget). Biodiversity monitoring 2020 was carried out and the report was prepared. Formalized biodiversity monitoring manual in El Salvador.</p>		
4. Works for sharing experiences of the pilot activities are conducted.	4.1. Guidelines/ manuals/ etc. are prepared. 4.2. Workshops/ visits/ etc. are conducted.	4.1. Guidelines/ manuals/ etc. 4.2. Event report	<p>(4.1) - Formalized biodiversity monitoring manual in El Salvador. - Installed two replicated panels into interpretation center of park ranger's office of laguna Guija in Jul 2019 and also provided a replica of environmental education games for the presentation to the new Minister in Sep. 2019. Prepared 1,000 replicas of environmental education material and started distribution to elementary schools located in all Ramsar sites in El Salvador. (4.2) - The event reports were prepared as in 2.3. - Conducted training on wetland bird monitoring to staff of Guija, MARN, carried out first wetland bird monitoring in Guija lagoon in 2021, and prepared the report. - Conducted Wetland Day event by webinar and participated more than 100 people</p>		





<p>Area 2.6 Incorporation of wetland environment education into school annual plan in San Miguel department</p>	<p>Plan</p>																																																																		
<p>&lt;Monitoring - Detailed PO 3.4.2.&gt; 2.7 Preparation of report of events</p>	<p>Actual</p>																																																																		
<p>&lt;Planning - Detailed PO 3.3.2.&gt; 3.1 Preparation of plan of biodiversity monitoring 3.2 Procurement necessary equipment and consumables</p>	<p>Actual</p>																																																																		
<p>&lt;Implementaion - Detailed PO 3.4.1.&gt; 3.3 Implementation of biodiversity monitoring</p>	<p>Actual</p>																																																																		
<p>&lt;Monitoring - Detailed PO 3.4.2.&gt; 3.4 Preparation of biodiversity monitoring report</p>	<p>Actual</p>																																																																		
<p>&lt;PO 3-5.&gt; 4.1. Develop guidelines, manual, etc.</p>	<p>Actual</p>																																																																		
<p>&lt;PO 3-6.&gt; 4.2 Conduct workshop or other event to share experience with non-participating stakeholders.</p>	<p>Actual</p>																																																																		

(2.6)  
 - Started the coordination with the Ministry of Education (MINED) at San Miguel and organized the first workshop for 25 school teachers for the planning of environmental education activities (Sept 2018, Tsujii)  
 - Carried out capacity building of 5 school teachers to be guides of El Jocotal Environmental Education Complex and to incorporate wetland environment education in the complex into school curriculum in San Miguel department. (Jun. 2019, Naga)  
 - Finalized a plan how to incorporate visiting El Jocotal Environmental Education Complex into the curriculum of San Miguel (Jun 2019)  
 - Finalized a strategy plan to disseminate in teacher's group of MINED San Miguel (Jun 2019)  
 - Finalized a report of knowledge and attitudes of schools in San Miguel towards Ramsar wetlands (Jun 2019)  
 - Finalized four learning guides for El Jocotal Environmental Education Complex (Jun 2019)  
 - Conducted a training activities for presidents and teachers of natural sciences from 5 schools near El Jocotal lagoon (11 participants) (25 Jun 2019)  
 - Conducted the environmental education for a group of students of a local school (Delirio School) (14 participants) (26 July 2019, Tsujii)  
 - Coordinated with MINED, San Miguel regarding the mainstreaming of environmental activities in their official curriculum (July-August 2019, Tsujii)  
 - Conducted a capacity building of schoolteachers by schoolteachers to raise guide of El Jocotal Environmental Education Complex (18 participants) (4 Sep. 2019)  
 - Held a meeting with Director of MINED San Miguel regarding the actions to have sustainability of wetland environment education (Sep. 2019, Naga)  
 - Conducted promotion activity learning guide of El Jocotal Environmental Education Complex to the staff of MINED San Miguel in MINED San Miguel (35 participants) (22 Oct. 2019, Naga)  
 - Conducted promotion activity learning guide of El Jocotal Environmental Education Complex to the staff of MINED San Miguel at El Jocotal (25 participants) (23 Oct. 2019)  
 - Conducted student field visit from Santa Fidelia School to the El Jocotal Environmental Education Complex (22 participants) (5 Nov. 201

## Pilot Project - Project Monitoring Sheet I (Evaluation Based on Indicators)

**Pilot Project Title: (PP3) Reducing Disaster Risk in Ecosystems to Address Adaptation to Climate change**

Ver. 5

Date: 31/Aug/2021

Narrative Summary	Objectively Verifiable Indicators	Means of Verification	Important Assumption	Achievement	Outstanding Issues	Countermeasures
PP - Project Purpose						
<p style="text-align: center;"><u>Objective</u></p> Eco-DRR Practice Model is established and validated.	1. Financial profit of the pilot project activities is generated.	1-1. Project progress and final reports 1-2. MOU/ Agreement with MARN or any other institutions to adopt/ replicate the model		<p>&lt;The ecosystem of ANP Las Moritas is restored.&gt;</p> <p>Since this is the activity in Natural Protection Area in the state land, the evaluation of the financial profit is not applicable.</p> <p>&lt;Agroforestry and silvopasture are promoted&gt;</p> <p>The middle term financial profitability has been confirmed through the preliminary analysis. The analysis will be updated based on the results of the pilot cropping in model farms.</p>		
	2. Awareness of local stakeholders toward Eco-DRR and wetland conservation is increased.	2-1. Project progress and final reports 2-2. List of workshops/ training programs carried out and the number of participants 2-3. List of guidelines/ manuals developed and adopted by MARN and/ or other institutions.		<p>&lt;The ecosystem of ANP Las Moritas is restored.&gt;</p> <p>Awareness of participants are raised toward Eco-DRR and wetland conservation through the reforestation and restoration activities in ANP Las Moritas and the educational seminar for the community organization called ADESCO located in the surrounding area of the ANP. Any fire which is major and frequent cause of the damage of ANP has not been observed in all the ANP Las Moritas (144.0 ha) from the beginning of the pilot project until now. Moreover, Pollo Campestre and Las Perlititas, famous food restaurant and Drinking Water companies decided to continue management and maintenance of 6.5 ha of the planted area and expand the pilot activity for 10 ha. The cooperation agreement between Ministry of Environment and the company for the activity was concluded in November 2019 and September 2020 respectively.</p> <p>&lt;Agroforestry and silvopasture are promoted&gt;</p> <p>A series of the coordination with institutions related to agroforestry and silvopasture to promote the pilot activity has continuously been carried out throughout the pilot period. Among the institutions, FONAES (Fondo Ambiental de El Salvador / El Salvador Environmental Fund) decided to apply the Silvopasture as the environment compensation activity for the area to be affected by the San Miguel Bypass construction Project (JICA ODA Loan Project).</p>		
	3. The drivers causing the degradation of wetland are addressed in the plan.	3-1. Work Plan of Pilot Project 3		The drivers, inappropriate farming method, maintenance of ANP area etc. have already been addressed in the plan of pilot project. This pilot project aims to validate Eco-RDD model to mitigate the negative impacts by the drivers.		
	4. The pilot activity is replicated in the area other than pilot site (as in impact of PP3).	4-1. Report of Pilot Project 3		<p>&lt;The ecosystem of ANP Las Moritas is replicated.&gt;</p> <p>MARN with the Salvadorian private companies Pollo Campestre and Las Perlititas has been implemented the activity for restoration and maintenance for additional 10 ha and 6.5 ha installed by the pilot project</p> <p>&lt;Agroforestry and silvopasture is replicated&gt;</p> <p>FONAES (Fondo Ambiental de El Salvador / El Salvador Environmental Fund) decided to apply the Silvopasture as the environment compensation activity for the area to be affected by the San Miguel Bypass construction Project (JICA ODA Loan Project).</p>		
PP - Outputs						
1. The ecosystem of ANP Las Moritas is restored.	1.1 At least 6.5 ha of ANP Las Moritas is protected from the fire during the project period.	1.1 Project progress and final reports		Reforestation and restoration activity in 6.5 ha of ANP Las Moritas has been implemented. The planted area (6.5 Ha) has been protected from the fire from the beginning of the pilot project until now. The massive fire occurred in ANP Las Moritas in March 2020, however 6.5 ha above has been protected properly by MARN and community members' firefight and firebreak installed by the pilot project		
	1.2 At least 50% of planted trees and plants are adequately survived.	1.2 Project progress and final reports		Estimated rate of survived trees in the planted area (6.5 ha) has been low around 20% due to the severe draught, animal feeding etc. As a countermeasure for this, following the 1st planting season (2018), re-planting and installation of the nursery in the area was done in the 2nd planting season (2019) with cooperation with Pollo Campestre, famous nationwide food restaurant company and Las Perlititas, San Miguel province based Mineral Water bottling company. Although the survival rate is low, recuperation is becoming clear by stable growth of survived trees.		
	1.3 100% of the community organization called as ADESCO located in the surrounding area receives some educational activity regarding the importance of ANP (a part of the output 2 of the pilot project 2 )	1.3 Project progress and final reports		All the ADESCO located in the surrounding area of ANP Las Moritas received eight times of the educational seminars regarding importance of the wetlands and ANP etc.		
2. Agroforestry and silvopasture are promoted.	2.1 At least 8 model farms are selected.	2.1 Agreements on the establishment of the model farms		Agreements for establishment of 10 farms had been prepared in 2018. In the 1st cropping season (2018-19) of the pilot activity, all the model farms received serious damage by the extreme drought. Due to the unexpected result of the 1st cropping season, lack of the conscious in farm management, family issue etc., 3 farms were withdrawn from the pilot project. Remaining 7 farms are participating in the 2nd and 3rd cropping season.		
	2.2 At least 50% of model farms is adequately established and maintained	2.2 Project progress and final report		As mentioned above in 2.1, In the 1st cropping season (2018-19) of the pilot activity, all the model farms received serious damage by the extreme drought. Therefore, re-seedlings/planting has been implemented in the 2nd cropping season (2019-20) has been started in May 2019 with 7 farms. 5 of 7 farmers have been generally maintained well in 3rd and 4th cropping seasons.		
3. Conduct works for sharing experiences of the pilot activities.	3.1 Guideline / manuals / etc. are prepared.	3.1 Guideline / manual / etc.		ANP Restoration Guide, Agroforestry Guide and Silvopasture Guide have been prepared.		
	3.2 Workshop / visit / etc. are conducted.	3.2 Event report		Site visit was organized with participation of various institutions in Sep 2019. And, the presentations regarding Agroforestry, Silvopasture and ANP Las Moritas were done in National Wetland Committee and final Webinar of the Project in June and August 2021		





2. Agroforestry and silvopasture are promoted.			
<Detailed PO 3.3.2.> Planning 2.1 Preparation of the detailed activity plan 2.2 Preparation of Micro Zoning Map 2.3 Implementation of Fruits Market Study 2.4 Selection of model farms 2.5 Preparation of model farm plan 2.6 Selection of sub-contractor 2.7 Discussion about financial resources.	Plan		
	Actual		- Prepared, detailed work plan of pilot project 3 (Eco-DRR) (July 2017, Yoshino) - Reviewed and finalized, the detailed work plan with the local committees (Sept 2017, Tsuji) - Updated, elaborated and revised the detailed work plan (Set 2017, Tsuji) - Updated, the detailed work plan. Activities to be considered under pilot 3 are 1) Integrated agroforestry, 2) Integrated Silvopasture and 3) Reforestation in ANP (Oct 2017, Yoshino) - Carried out, data collection about Environmental Compensation System (Oct 2017, Yoshino) - Revised, the micro land use plan for 10 model farms (Sept 2018, Tsuji) - Revised, the model farm participants, three farms were excluded due to lack of the willingness of the participation etc. (May 2016) - Concluded, contract with assistants for the implementation and the monitoring (May 2019)
<Detailed PO 3.4.1.> Implementation 2.8 Tree planting and installation of water and soil conservation works and reservoir. 2.9 Maintenance of the planted tree installed water and soil conservation works and reservoir. 2.10 Execution of technical training for beneficiary /owner farmers	Plan		
	Actual		- Completed, the bidding process for the preparation of establishment of model farms for agroforestry and silvopasture (SAF & SSP) and formalities of JICA approval (Oct 2017, Tsuji) - Started, the preparatory activities for the establishment of the model farms, including the preparation of detailed work plan, development of prototypes, development of selection criteria of pilot farmers, etc. (Nov 2017, Tsuji) - Contracted, sub contractor (Nov. 2017, Yoshino) - Carried out, the Market Study of fruits products (Nov. 2017 - Feb 2018, Yoshino) - Carried out, preparatory work for installation of the model farms such as design, selection of beneficiary (Nov.2017 - Feb. 2018, Yoshino) - Developed, the design of the model farms (Jan 2018, Tsuji) - Estimated, the cost of the 1st cropping season (April 2018, Tsuji) - Contracted, sub contractor for the 1st cropping season (Jun 2018, Yoshino) - Prepared, micro zoning map of pilot project site (Jun 2018, Tokue) - Carried out, installation work of the model farms (construction of reservoir, planting etc.) (July - Oct 2018 ; 1st cropping season, Yoshino ) - Estimated, the cost of the 2nd cropping season (Feb 2019) - Started, provision of the materials for the 2nd cropping season (Feb 2019) - Revised, design of the model farms (June 2019) - Carried out, assistance in installation, management and maintenance work of the model farms (re-planting) (June - Dec 2019 ; 2nd cropping season, Yoshino) - Carried out, assistance in management and maintenance work of the model farms (Apr 2020-Mar 2021 ; 3rd cropping season, Yoshino) - Carried out, assistance in management and maintenance work of the model farms (Apr-Aug 2021 ; 4th cropping season, Yoshino)
<Detailed PO 3.4.2.> Monitoring 2.11 Regular monitoring of the condition of the planted tree and grass 2.12 Preparation of progress and final report (final evaluation)	Plan		
	Actual		- Carried out, regular monitoring works of 1st phase (Feb-Apr 2018, Tsuji, Yoshino) - Monitored and inspected, the work of subcontractor of 1st phase (April 2018, Tsuji) - Carried out, regular monitoring works of 2nd phase (June 2018-Mar 2019, Tsuji, Yoshino) - Monitored and inspected, the actual condition of the model farms (July 2019-Aug 2021, Yoshino)
<b>3. Extension</b>			
<Detailed PO 3-5> 3.1 Development of guidelines, manual, etc.	Plan		
	Actual		- Prepared simple manual of SAF&SSP (Apr 2019, Yoshino) - Drafted simple guide for Leucaena cropping (Sep 2019) - Revised simple manual of SAF&SSP (Nov, Dec 2019, Yoshino) - Started, preparation of the SAF&SSP Guide (Mar 2020, Yoshino) - Prepared, draft SAF&SSP Guide (Apr 2020 -Aug 2021, Yoshino)
<Detailed PO 3-6> 3.2 Workshop or other event to share experience with non-participating stakeholders.	Plan		
	Actual		- Organized, the meeting with FONAES to share our experience in SAF/SSP (July 2019) - Organized, site visit tour with different institutions to share our experience in SAF/SSP (Sep 2019) - Carried out presentation of SAF/SSP in National Wetland Committee (June 2021) - Carried out presentation of SAF/SSP in Final Webinar of the Project (Aug 2021)

Monitoring has been hampered due to Covid-19.

## Pilot Project - Project Monitoring Sheet I (Evaluation Based on Indicators)

**Pilot Project Title: (PP4) Good Agricultural Practice (GAP) for Sugarcane to reduce negative environmental impact**

Ver. 5

Date: 31/Aug/2021

Narrative Summary	Objectively Verifiable Indicators	Means of Verification	Important Assumption	Achievement	Outstanding Issues	Countermeasures
PP - Project Purpose						
<p style="text-align: center;"><u>Objective</u> GAP promotion/dissemination Model is established and validated.</p>	1. GAP promotion/dissemination is carried out by MARN and FUNDAZUCAR using their budget or other fund source.	1.1. Project progress and final reports 1.2. MOU/ Agreement with MARN or any other institutions to adopt/ replicate the model in the post project period.		GAP seminars have been carried out by JICA-MARN and FUNDAZUCAR. FUNDAZUCAR covered a part of the cost of employment of staffs etc. and Salvadoran Council of the Sugar Agroindustry (Consejo Salvadoreno de la Agroindustria Azucarera :CONSAA) in view of the importance of the promotion of the GAP, decided to provide USD 5,000 of the supporting fund for the seminars. Moreover, the GAP instruction Guide (the second part of the FUNDAZUCAR GAP Manual) ) to be prepared by JICA-MARN and FUNDAZUCAR will be used continuously by FUNDAZUCAR to promote GAP. FUNDAZUCAR already carried out the some activities of GAP Advance program for non-project beneficiaries by themselves.		
	2. At least, awareness of 70 % of owner and workers of the sugarcane planting farms who participate in the project activity about GAP is enhanced.	2.1. Questionnaire/interview survey 2.2. List of workshops/ training programs carried out and the number of participants 2.3. List of guidelines/ manuals developed and		More than 70% of the participants in the GAP seminar achieved attendance rate higher than 70%. This rates shows participants' high interest in the GAP. Improvement of the awareness has been observed through the active participation in seminars.		
	3. The drivers causing the degradation of wetland are addressed in the plan.	3.1. Work Plan of Pilot Project 4		The drivers, inappropriate farming method particularly of sugarcane, which is dominant crop in the project area, were addressed in the pilot project plan. This pilot project aims to establish model of the promotion of GAP to mitigate the negative impacts by the drivers.		
	4. The pilot activity is replicated in other areas outside of the pilot site (as an impact of PP 4).	4-1. Report of Pilot Project 4		GAP Advance programa has been implemented for 40 farms located near Jiquilisco Ramsar Site.		
PP - Outputs						
1. GAP is promoted by GAP Seminar	1.1 At least, 30 owners and worker of sugarcane farm participate in the seminar.	1.1 Project progress and final reports		The GAP seminar has been carried out from March to July 2018 by JICA-MARN and FUNDAZUCAR which is the association of the major sugar production private companies in El Salvador. 95 owners, administrators, workers or technicians from 43 sugarcane farms participated in the seminar.		
	1.2 At least, 70% of the participants in the seminar receives completion certificate.	1.2 Project progress and final reports		Out of the 95 participants mentioned above 1.1, 77 participants, equivalent to 79% of all the participant who achieved the attendance rate more than 70%, received the certificate.		
2. GAP is promoted and practiced by GAP Advance Seminar	2.1 At least, 30 owners and worker of sugarcane farm participate in the seminar	2.1 Project progress and final reports		The GAP Advance seminar was carrying out from February 2019 to learn 50 prioritized agricultural practices by JICA-MARN and FUNDAZUCAR. 40 sugarcane farms is participating in the seminar.		
	2.2 At least, 70% of the participants in the seminar receives completion certificate.	2.2 Project progress and final reports		Out of the 40 participants farms mentioned above 2.1, achieved improvement for 36 practices, 70% of 50 prioritized agricultural practices.		
	2.3 GAP Instruction Guide is prepared	2.3 GAP Advance Instruction Guide		Draft GAP Instruction Guide has been prepared. The guide was finalized.		
3. Conduct works for sharing experiences of the pilot activities.	3.1 Guideline / manuals / etc. are prepared.	3.1 Guideline / manual / etc.		Facilitator Guide for Good Agricultural Practices for the Conservation and Wise Use of Wetlands and its Ecosystem (Facilitation), Guide for Good Agricultural Practices for the Conservation and Wise Use of Wetlands and its Ecosystem (Monitoring) and Guide for Ecological Restoration in Sugarcane Cropping Area have been finalized		
	3.2 Workshop / visit / etc. are conducted.	3.2 Event report		San Miguel River Reforestation Event was organized with the participation of different actors of the sugarcane production. And , the presentations regarding GAP was done in the final Webinar of the Project in August 2021		



Detailed Plan of Operations (Output 4)

Plan: activit Plan: action Actual: activit & action Plan/Actual: work item

Ver. 1.9

Table with columns for years (2016-2021), months, and categories (Milestones, Major Products, Deadlines, Achievements, Issues & Countermeasures). Rows include activities like 'Preparación de los materiales y ejecución de las actividades promocionales' and 'Hacer un folleto y noticias cartas para la promoción del proyecto'.



	Plan	Actual	2016				2017				2018				2019				2020				2021				Milestones	Major Products	Deadlines	Achievements	Issues & Countermeasures
			I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV					
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4					
-Proporcionar la información del proyecto a la página principal de JICA . -Diseminar información relacionada con el proyecto a través del uso de la página web del MARN proyecto .	-Provide the project information to JICA home page. -Disseminate project related information through the use of MARN project homepage.																									Open the homepage	Project home page in JICA web site Post the articles	periodical	(About JICA HP) - 1 article on the establishment of the local committees was uploaded (May 2017 Mizuno) - Brochure and Newsletter were translated to be uploaded to the web site (May 2017 Mizuno) - 1 article about the training in Japan was uploaded. (Oct 2017, Mizuno) - 1 article on the local committee assembly was drafted. (Dec 2017 Mizuno) - 1 article about the project introduction to JICA Facebook. (Sep 2018, Yanehashi) - 1 article about the general assembly of local committees to JICA HP. (Jun 2019, Yanehashi) - 1 article about the site visit of new minister of MARN to JICA HP. (Sep 2019, Yanehashi) - 1 article about the invasive water plants in Olomega and El Jocotal to JICA Facebook (Jan 2020, Yanehashi) (About MARN HP) - Draft contents of the project web site was prepared. (Mar 2017 Mizuno) - Draft contents of the project web site was approved by the wetland unit, and shared with the Dept. of Communication of MARN to have the instruction to create the web page. (May 2017 Mizuno) - Dept. of communication of MARN commented to the draft web page and started revision of the web page layout and contents (Mar 2018 Mizuno) - Project basic page in MARN site was prepared, and it will be open for public when Mr. Jaime (MARN) provides general information related to biodiversity department of MARN. (Sep 2018, Yanehashi) - Ms. Sandra promised to upload download contents and broadcast videos in public by 9th April. (Apr 2019, Yanehashi) - Ms. Sandra requested to add download contents and photo galleries to make HP in public. Currently, it is accessible only inside of MARN (http://www.mam.gov.sv/proyecto-pais-el-manejo-integral-de-los-humedales-lagunas-el-jocotal-y-de-olomega/) (Jan 2019, Yanehashi) - Project page on MARN HP became open for public and start to provide project major outputs on it. (Jul 2019, Yanehashi) - Project ATLAS is added as a download content on HP (Dec 2019, Yanehashi). - Wetland Management Plan of Olomega and El Jocotal are added as download contents on HP (Jan 2020, Yanehashi). - Water Quality Report 2019 and 2020 are added as download contents on HP (Dec 2020, Yanehashi).		
-Preparar los materiales de la promoción las actividades del proyecto para la COP de la Convención de Ramsar (CBD)	-Prepare materials of the project activities promotion for COP of Ramsar/CBD convention.																										Brochure Project goods	2018 (CBD) Oct 2018 (Ramsar)	- Prepared 200 project novelty goods(coaster) for COP13 and other events. (Sep 2018, Yanehashi) - Prepared project banner (EN & SP) and printed out the banner (EN) (Oct 2018, Yanehashi)		
4.2. Organizar visitas de campo, invitando a los actores locales de otros humedales Ramsar.	4.2 Organize site visits by inviting stakeholders of other Ramsar sites in El Salvador.																														
4.2.1 Preparación y ejecución de las visitas técnicas por los agentes relacionados con la Convención de Ramsar de país	4.2.1 Preparation and execution of the technical visits by the agents related to the Ramsar Convention of the country.																									Proposal, agenda, PP presentations, list of participants and other workshop products	Workshop report	Dec 2017 (1st) Dec 2020 (2nd)	- Based on the proposal from MARN, a detailed discussion on the agenda and candidate of the participants for the technical visit was started. (Sep 2017, Mizuno) - After discussing internally in MARN and JICA, the project decided to postpone the technical visit to Aug-Oct 2018, to when some of pilot activities will be fully implemented. (Dec 2017) - The project organized the final seminar to disseminate the project achievements and learnings. Due to the COVID-19 pandemic, only speakers gathered in the conference room and other participants joined the seminar via internet. (Aug 2021)	The field trip is planning to hold at the timing of the final seminar.	
4.2.2 Asistencia a la construcción de la red de los agentes involucrados del país (Difundir información relacionada con el proyecto a través de la lista de correo para desarrollar una red de actores interesados de la Convención de Ramsar en el país .)	4.2.2 Assistance to the establishment of the network of the stakeholders involved in the country. (Disseminate project related information through the mailing list to develop a network of concerned actors of Ramsar convention in the country.)																									Draft e-mails to be sent	E-mails sent/received to the mailing list	May 2017	- Mailing list (1st list) of MARN-JICA project members was made (23 July 2016 Tada) - Guideline(ver. 1) of the use of mailing list was made (30 Nov. 2016 Tada) - Member list of the national Ramsar network "actors in Ramsar wetlands in El Salvador" was made (Dec 2016 Tada) - Supported the organization of 1st national workshop on the tools (the national guideline) for the establishment of Ramsar local committee (23 Nov. 2016, Tsuji) - E-mails to introduce the objective of the mailing list, to share the project brochure and newsletter, and to share the establishment of the local committees of Olomega and El Jocotal were prepared by CP and posted. (May 2017 Mizuno) - E-mails to announce the production of a booklet on the establishment of the local committee was posted (Sep 2017, Mizuno) - The needs of the supplemental communication tool such as WhatsApp for a more smooth and easier communication were confirmed at the preparatory meeting of the national committee. Started to make a list of the WhatsApp group with CP (Mar 2018 Mizuno) - Revised the guidelines for the mailing list were updated to add WhatsApp group for the supplemental communication tool to the mailing list. (Mar 2018 Mizuno) - WhatsApp group (Chairman of each local wetland committees and MARN-JICA members) member list was created based on the PR Action Plan ver.2. (Jul 2018, Yanehashi) - WhatsApp list with around 54 peoples who belong to local wetland committees was created. (Oct 2018, Yanehashi) - E-mails to announce the production of Newsletter vol.3, vol.4, and holding of the general assembly of local committees were posted. (May 2019, Yanehashi) - 3 of the WhatsApp groups (El Jocotal, Olomega, National) information are collected. (May 2019, Yanehashi) - Mailing list and WhatsApp group guideline ver. 1 (EN&SP) were prepared. (Jun 2019, Yanehashi) - Members of the WhatsApp groups are updated on PR Activities Monitoring Sheet (Jan 2020, Yanehashi) - Members of the WhatsApp groups are updated on PR Activities Monitoring Sheet (Sep 2020, Yanehashi) - Members of the WhatsApp groups are updated (Nov 2020, Yanehashi)		
- Asistir a otros humedales de Ramsar en El Salvador para aplicar el conocimiento y la experiencia obtenida a través de las actividades del proyecto.	- Assist other Ramsar Wetlands in El Salvador to apply knowledge and experience obtained through project activities.																														
4.3. Organizar congresos internacionales para compartir experiencias con otros proyectos y en particular los países dentro de la región de América Central en colaboración con la Secretaría de Ramsar y la CCAD.	4.3 Organize/ participate in international events with stakeholders of other projects and countries particularly within the Central American Region in collaboration with the Ramsar Secretariat and CCAD.																														
4.3.1 Asistencia a la construcción de la red de los agentes involucrados con los humedales de distintos países, y ejecución de los seminarios para compartir la información con otras zonas más avanzadas y otros proyectos de América (Desarrollar un concepto sobre el red internacional, y Difundir información relacionada con el proyecto a través de la lista de correo para desarrollar una red de actores interesados de la Convención de Ramsar en el país .)	4.3.1 Assistance in the construction of the network of agents involved with wetlands in different countries, and the execution of seminars to share information with other more advanced zones and other projects in Central America. (Develop a concept of international network and Organize and international seminars inviting the people related with wetland management in the SICA member countries.)																									Proposal, agenda, PP presentations, list of participants and other workshop products	Seminar Report concept of the international network establishment	Seminar report:TBD concept: March 2017	- Discussion about the concept of the international network establishment with CP were started. Lessons from the existing international network and Steps to develop the international network were discussed. (Mar 2018 Mizuno) - List of Ramsar local points of SICA countries was prepared. (Mar 2019 Mizuno) - Had a meeting with Dr. Jorge Ernesto of MARN, who is the person in charge for SICA. (September, 2018, Yanehashi) - Supported the preparation of presentation for SICACCAAD's Eco-DRR seminar with the participation of JICA HQs. (Oct 2018, Tsuji) - Prepared the field visit by the JICA mission for SICACCAAD's Eco-DRR seminar. (Oct 2018, Tsuji) - Provide project information matrix and project activity introduction to Dr. Jorge Ernesto of MARN. (Jan 2019, Yanehashi)		
4.3.2 Participación en las conferencias y eventos internacionales, y recopilación de información de otras áreas	4.3.2 Participation in international conferences and events, and gathering information from other areas																									Report of the participation from the participants		2018 (CBD) Oct 2018 (Ramsar)	- Mr. Tsuji of JICA Expert Team Participated in the workshop at Managua, Nicaragua on the project formulation for the regional biodiversity conservation organized by JICA and CCAD/SICA (17-18 Aug 2016). - Ms. Georgina Mariona of MARN participated the training course at Ramsar Regional Centre for Training and Research in the Western Hemisphere (CREHO) in Panama under the financial support by the project. The course title was "Wetlands Management Plans With Focus On Climate Change" and the period was from 3 to 7 October 2017. - Ms. Georgina of MARN and Mr. Asano of JICA participated COP13 of Ramsar in Dubai from 23 to 17 October 2018 under the financial support by the project. (Oct 2018, Yanehashi) - Ms. Rosalba of MARN participated the IUCN 3rd Congress of Natural Areas of Latin America and Caribbean at Lima of Peru from 15 to 17 October 2019 under the financial and technical support by the project. (Oct 2019, Yanehashi). - Organize the Information Sharing Event among MARN, National Wetland Committee Members, ISCOS-UE, and conduct the presentation about the project experiences, and prepare the report (May 2021, Yanehashi)		
4.3.3 Asistencia a los oficiales de la Unidad de Humedales y otros participantes de las instituciones relevantes	4.3.3 Assistance to officers of the Wetlands Unit and other participants of relevant institutions.																									Report		TBD	- Supported the preparation of presentation for COP 13 Ramsar Convention in Dubai (Sep 2018, Yanehashi) - Prepared materials and logistics for Ms. Rosalba of MARN to visit IUCN Protected Area Conference to be held in October 2019 in Peru (Sep 2019, Yanehashi) - Supported Ms. Rosalba of MARN to participate and prepare report about IUCN 3rd Congress of Natural Areas of Latin America and Caribbean from 15 to 17 October 2019. (Oct 2019, Yanehashi).		