パプアニューギニア国 環境保護・保全公社

# パプアニューギニア国 生物多様性保全のための PNG 保護区 政策強化プロジェクト

事業完了報告書 (別冊 1 Vol. 1)

2021年8月

独立行政法人 国際協力機構(JICA)

日本工営株式会社 国際航業株式会社

環境 JR 21-032 パプアニューギニア国 環境保護・保全公社

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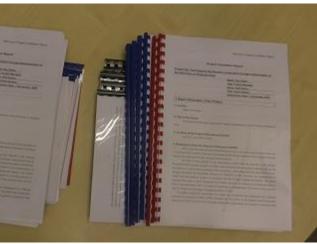


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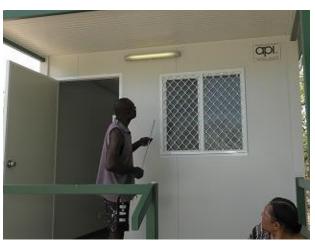


Photo 10: CEPA-JICA project team, measuring the height of the light at the Tahira marine office (Tahira).



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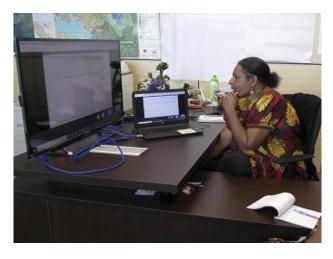


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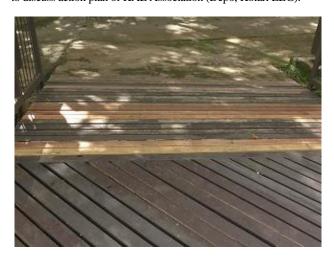


Photo 11: Wood decking at Information Center Complex was repaired by park rangers (VNP).



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Photo 2: Ms. Saina of JICA, visiting VNP with team members of Kutubu Kundu and Digaso Festival (VNP).



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Photo 1: The 9th BBMCI meeting and 1st BBNMS meeting was held at CEPA office (Port Moresby).



Photo 2: Mr. Alfred Urim from socio-economic survey team, giving a presentation to BBMCI members about the results of socio-economic survey at Bootless Bay (Port Moresby).



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Photo 11: CEPA-JICA project team, discussing installation of signboards for marine station office (Tahira).



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Photo 1: Mr. Koji Asano of JICA with Mr. Howard Iorere and the API Builder Mr. Macko during the site inspection for marine facility at Tahira (Tahira, Port Moresby).



Photo 2: Dr. Nagahama of JICA Project having a meeting to discuss Social Mapping Report with Dr. Rodney Kameata of Social Environmental Research Consultancy Services (SERACS) (CEPA, Port Moresby).



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Photo 1: The 9th BBMCI meeting was held at CEPA office (Port Moresby).



Photo 2: CEPA-JICA project team, having a meeting with Mr. Peter of Deputy Administrator Corporate Affairs of CPG about Central Province Development Plan (Port Moresby).



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Photo 1: Mr. Mochizuki of JICA, discussing Central Province Development Plan with Mr. Edward Kila of Central Provincial Administration (Port Moresby).



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Photo 12: Signboard for mangrove protection was installed at the junction of Gereka (Port Moresby).

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Photo 1: CEPA-JICA project team, discussing the progress of the Bootless Bay National Marine Sanctuary during Bootless Bay Maine Conservation Initiative meeting (Port Moresby).



Photo 3: CEPA-JICA project team, handing over awareness materials of national marine sanctuary to Tubuseira Primary School (Port Moresby).



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Photo 9. Park rangers and CEPA-JICA project team, retrieving the SD card from the cameras during the monthly camera trap monitoring (VNP).



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Photo 11: A tree house was constructed at Varirata National Park (VNP).



Photo 12: Tourism Promotion Authority (TPA) and CEPA-JICA project, making a promotional video for Varirata National Park (VNP).

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Photo 1: Dr. Nagahama and the CEPA-JICA marine team with members of the Bootless Bay Marine Conservation Initiative during a general meeting, Output 3 Component (CEPA Office, Port Moresby).



Photo 2: CEPA, JICA and Ramsar Advisory Mission (RAM) meeting with Lake Kutubu Ramsar Site community leader (Tubo Lodge, Lake Kutubu/SHP).



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Photo 4: CEPA, JICA and GEF 5 having discussions with newly recruited rangers of Varirata National Park (CEPA, Port Moresby).



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Photo 10: A model of a container office, which will be setup at Tahira to house the Information Centre under the Marine Output 3 component (API office, 6 Mile/Port Moresby).

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Photo 1: First meeting of VNP Park Management Committee was held at CEPA office (Port Moresby).



Photo 2: CEPA-JICA project team, changing of position of camera trap at Varirata National Park (VNP).



Photo 3. Volunteers from the University of Papua New Guinea, participating in clean-up event at Varirata National Park (VNP).



Photo 4: CEPA-JICA project team, repairing wood decking at Varirata National Park (VNP).



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Photo 6: Dr. Nagahama of JICA, discussing Conservation Easement with the Chapman family (Port Moresby).



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Photo 9. CEPA-JICA project, visiting candidate site for construction of a container house (VNP).



Photo 11: Minister of CEPA and the Governor for Central Province, signing for MOU for marine protected area (Port Moresby).



Photo 8: Dr. Nagahama of JICA, having a meeting with CPC on conservation easement and BBMCI meeting (Port Moresby).



Photo 10: Signing ceremony of MOU for marine protected area was held in August (Port Moresby).



Photo 12: Mr. Asano of JICA, having an interview with Minister of CEPA (Port Moresby).

# Photo Library, July 2019



Photo 1: CEPA-JICA project team, discussing signages for Tuna Bay with Mr. Senson of the Reef to Ridges (R2R) Project (Port Moresby).



Photo 2: CEPA-JICA project team, having a meeting on future marine project for JICA technical cooperation (Port Moresby).



Photo 3: CEPA-JICA project team, attending a presentation on awareness material for Bootless Bay communities produced by Social Environmental Research & Consultancy Service (SERACS) (Port Moresby).



Photo 4: CEPA-JICA project team, having a meeting with University of Papua New Guinea on the MOU amendment for facility development (Port Moresby).



Photo 5: Dr. Nagahama of JICA and CEPA-JICA project team, introducing project activities to Ms. Carmel Vagi from Gereka who brought a letter of interest to protect mangroves (Port Moresby).



Photo 6: Mr. Asano of JICA and CEPA-JICA project team, attending a presentation on camera trap monitoring of Varirata National Park by interns of Pacific Adventist University (Port Moresby).

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Photo 1: Mr. Asano of JICA, participating in mangrove planting event of World Environmental Day at Mirigeda Bootless Bay (Mirigeda, Central Province).



Photo 2: CEPA-JICA project team, attending the event of the World Environment Day 2019 (Adventure Park, Port Moresby).



Photo 3: CEPA-JICA project team, discussing National Executive Council for Bootless Bay Marine Protected Area (Port Moresby).



Photo 4: CEPA-JICA project team and socioeconomic baseline studies team from Social Environmental Research and Consultancy Services Ltd, visiting to Bootless Bay (Bootless Bay, Central Province).



Photo 5: Dr. Rodney of Social Environmental Research and Consultancy Services, visiting to Pari village for social mapping (Pari Village, Port Moresby).



Photo 6: CEPA-JICA project team, discussing Conservation Easement with the Chapman family (Port Moresby).



Photo 7: CEPA-JICA project team, discussing the construction of the Information Centre at Tahira with a local architectural consultant (Port Moresby).



Photo 8: CEPA-JICA project team, discussing key parameters for social mapping for Bootless Bay Marine Protected Area with socioeconomic baseline studies team (Port Moresby).



Photo 9: CEPA-JICA Project Team, having a meeting with Prime Minister's State Solicitor for Bootless Bay Marine Protected Area (Port Moresby).



Photo 10. CEPA-JICA project team, discussing with potential sites for future terrestrial project for JICA technical cooperation (Port Moresby).



Photo 11: Mr. Asano of JICA and CEPA-JICA project team, discussing a new phase proposal for JICA technical cooperation (Port Moresby).



Photo 12: CEPA-JICA project team, having a discussion with Mr. Edward Kila of Deputy Provincial Administrator of Central Province (Port Moresby).

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Photo 1: Dr. Nagahama of JICA, showing the land boundary map of Mirigeda by Mr. Kila Bae of the Lands Department Advisor (Port Moresby).



Photo 2: CEPA-JICA project team, having a briefing with the Australian Department of Environment and Energy team regarding the Bootless Bay Project (Port Moresby).



Photo 3: CEPA-JICA project team, having a meeting to discuss the progress of Output 3 under the Marine Component (Port Moresby).



Photo 4: CEPA-JICA project team, having a meeting with Central Papua Conference (CPC) team on Conservation Easement (Port Moresby).



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Photo 7: CEPA-JICA project team, having a meeting with the University of Papua New Guinea (UPNG) on Conservation Easement (UPNG, Port Moresby).



Photo 8: Dr. Nagahama of JICA, testing the Drone at Mirigeda land (Mirigeda, Central Province).



Photo 9: CEPA-JICA project team, discussing with Ms. Angela Kwapena of National Fisheries Authority (NFA) regarding ongoing regulations and management in Bootless Bay (NFA Office, Port Moresby).



Photo 10: CEPA-JICA project team, making a presentation on protected area types during the GEF 5 Capacity Development Workshop and Training (Sogeri Lodge, Central Province).



Photo 11: CEPA-JICA project team and the Central Papua Conference (CPC), conducting a field survey to finalize the buffer zone for protected area (Bautama, Port Moresby).



Photo 12: CEPA-JICA project team, checking a bird watching shelter with Mr. Nathan Lati of Tourism Promotion Authority (TPA) and Dr. Samuel Kopamu of Pacific Adventist University (PAU) (PAU, Port Moresby).

# Photo Library, April 2019



Photo 1: CEPA-JICA project team, having a meeting with Mr. Wanaga of Central Papua Conference (Port Moresby).



Photo 2: CEPA-JICA project team, having a meeting with Ms. Vivian of Konebada Resort to discuss study tour for Kae association (Boera village, Central Province).



Photo 3: CEPA-JICA project team, having a preliminary meeting with Dr. Kameata of Social Environmental Research and Consultancy Services Ltd. to discuss socio-economic survey for Bootless Bay (Port Moresby).



Photo 4: CEPA-JICA project team, having a meeting with CEPA and Central Provincial Government (CPG) to finalize Memorandum of Understanding for action plan between CEPA and CPG (Port Moresby).



Photo 5: Mr. Mamu of JICA, discussing with Professor Saulei of University of Papua New Guinea on Conservation Easement (Port Moresby).



Photo 6: Ms. Jeffrey of JICA, checking daily record of fee collection with a park staff (VNP).



Photo 7: Kae association, visiting Boera village to improve their cultural performance (Boera village, Central Province).



Photo 8: Ms. Kove of JICA, discussing support letter for National Executive Council (NEC) with the land owner of Tahira farm (Tahira).



Photo 9: Mr. Benside of CEPA, giving instruction to park staffs on park management work (VNP).



Photo 10: Mr. Mamu of JICA, supervising the clean-up of the Varirata National Park (VNP).



Photo 11: CEPA-JICA project team, having a meeting with community people of Dogura village on mangrove conservation (Dogura village, Port Moresby).



Photo 12: CEPA-JICA project team, discussing fee collection of Varirata National Park (Port Moresby).

# Photo Library, March 2019



Photo 1: CEPA-JICA project team, introducing project activities to participants at the Event of World Wildlife Day (Port Moresby).



Photo 2: Ms. Jeffrey of JICA, discussing on study tour for Kae association with Ms. Doreka Dai of the leader of Boera Women's Group (Port Moresby).



Photo 3: Dr. Nagahama of JICA, having a meeting with the landowner group in Tuna Bay (NCD).



Photo 4: CEPA-JICA project team, having a meeting with GEF 5 and the PA Solutions team to discuss the institutional arrangement of RPART/NPART (Port Moresby).



Photo 5: Mr. Asano and CEPA-JICA project team, discussing on Varirata National Park's ranger recruitmet (Port Moresby).



Photo 6: Rhodes PNG Ltd of new information center contractor, handing over the Varirata Accommodation Building to CEPA Managing Director (Port Moresby).



Photo 7: CEPA-JICA project team, discussing entrance fee of Varirata National Park with a CEPA Finance Officer (Port Moresby).



Photo 8: Ms. Jeffrey of JICA, having the basic book keeping training for Kae association and park staffs at Varirata National Park (VNP).



Photo 9: The Fourth Joint Coordinating Committee (JCC) Meeting was held on March 26th, 2019 at CEPA office (Port Moresby).



Photo 10: The installation of signboard for new entrance fee has been completed (VNP).



Photo 11: Inaugural Ceremony for the Information Center Complex was held on March 28th, 2019 at Varirata National Park (VNP).



Photo 12: Mr Asano of JICA and key speakers during the inaugural launch of new Information Centre Complex (VNP).

# Photo Library, February 2019



Photo 1: CEPA-JICA project team, having a meeting with Chapman's family on conservation and management of their mangroves as Marine Protected Area (Mirigeda village, Central Province).



Photo 2: Mr. John of JICA, retrieving the SD card from the cameras during the monthly camera trap monitoring (VNP).



Photo 3: CEPA-JICA project team, visiting to Pacific Adventist University to discuss new GEF 5 research proposal for Varirata National Park (Pacific Adventist University, Port Moresby).



Photo 4: CEPA-JICA project team, discussing candidate site of Marine Protected Area of Central Province (Port Moresby)



Photo 5: JICA Project Team, discussing with the CEPA Marine team on the MOU and the action plan for Central Province (Port Moresby).



Photo 6: Ms. Jeffrey of JICA, discussing with Mr. Lati of Tourism Promotion Authority and Mr. Peter of Pacific Adventist University on bird watching project (Port Moresby).



Photo 7: Ms. Jeffrey of JICA, showcasing new vest for public relation of the CEPA-JICA Project (Port Moresby).



Photo 8: JICA Project Team, discussing new entry fees for Varirata National Park (Port Moresby).



Photo 9: JICA project team, discussing with Mr. Kennedy of Koiari LLG Manager and Mr. Kidu of project officer on livelihood development activities (Port Moresby).



Photo 10: CEPA-JICA project team, having a meeting with Ms. Vivien of councilor in Boera village for a cultural expo tour (Boera village, Central Province).



Photo 11: JICA project team, discussing with Mr. Benside Thomas of CEPA Terrestrial Manager on collection of admission fee for Varirata National Park (Port Moresby).



Photo 12: National Agriculture Quarantine and Inspection Authority (NAQIA), visiting to Varirata National Park to conduct a survey for invasive plants and animals around the Sogeri Plateau (VNP).

# Photo Library, January 2019



Photo 1: CEPA-JICA project team, having a meeting to discuss PA Bill and the procedure for Marine Protected Area establishment (Port Moresby).



Photo 2: Dr. Alphonse of CEPA-JICA Project team, having interviews to residents for MPA establishment (Mirigeda village, Central Province).



Photo 3: Dr. Nagahama of JICA, controlling the drone to capture an image of potential site for Marine Protected Area (Mirigeda village, Central Province).



Photo 4: Mr. Asano, Dr. Alphose and Ms. Kikuchi of JICA, discussing with Mr. Edward Kila of Deputy Administrator of Central Province on Marine Protected Area (Port Moresby).



Photo 5: Dr. Nagahama of CEPA-JICA project team, having a meeting with UPNG on the MoU between CEPA-JICA and UPNG (Port Moresby).



Photo 6: Ms. Jeffrey of JICA, having a meeting with Mrs. Doreka Dawn of Boera Women Association on study/exposure tour for livelihood development group (Port Moresby).



Photo 7: CEPA-JICA project team, having an internal discussion on the legislative options of establishing an interim NPART (National Protected Area Round Table) (Port Moresby).



Photo 8: Ms. Kikuchi and Mr. Mamu of JICA, visiting within the 3km buffer zone of VNP with Mr. Alfred Kennedy of the Manager of Koiari LLG (Koiari, Central Province).



Photo 9: CEPA-JICA project team, discussing structure of park management committee (Port Moresby).



Photo 10: CEPA-JICA project, having the 7th BBMCI Meeting to share the progress of the Output 3 and discuss how to collaborate with each partner in the Bootless Bay (Port Moresby).



Photo 11: CEPA-JICA project team, having a meeting with Hon. Robert Agarobe of Governor of Central Province on Bootless Bay Marine Protected Area (Port Moresby).



Photo 12: Dr. Alphonse and Ms. Kove of JICA, visiting Tahira to check project marine equipment (Tahira).

#### Photo Library, December 2018



Photo 1: JET members having a meeting with local travel agent and, Mr. Dill Noris, Word Councilor of Kwalimurubu Village, on ecotourism promotion and related activities (Central Province).



Photo 2: Dr. Imae and Ms. Jeffrey of JET, discussing on VNP Management Plans with stakeholders (Port Moresby).



Photo 3: Photo 3: Mr. Asano and Dr. Kambu of JET, having a meeting with Mr. Bernard Suruman of CEPA to discuss about legislative justification and procedure for MPA (Port Moresby).



Photo 4: Mr. Asano of JET, explaining project activities to the Governor of Central Province, Hon. Robert Agarobe, to realize collaborative activities in future (Port Moresby).



Photo 5: Mr. Asano, Mr. Mamu and other JET staff visited Mirigeda site with staff from Central Provincial Government as potential marine protected area site (Port Moresby).



Photo 6: JET staff and CEPA staff during the Joint Staff End of Year Christmas Party (Port Moresby).

# Photo Library, November 2018



Photo 1: Dr. Nagahama of JICA, having a meeting with Mr. Pius Piskaut, UPNG for mangrove guide (Port Moresby).



Photo 2: Dr. Nagahama of JICA, having a meeting with Mr. Edward Kila, Central Provincial Government to share progress of Output 3 (Port Moresby).



Photo 3: Dr. Nagahama of JICA, having a meeting with Prof. Simon Saulei and Mr. Pius Piskaut of UPNG to decide protected area type, protected area class and criteria of their MPA (UPNG).



Photo 4: CEPA-JICA project team, participating in coastal clean-up event at APEC site (Port Moresby).



Photo 5: CEPA-JICA Marine Team, having a meeting with Mr. Bav Kemba and Mr. Manoah Wanaga of CPC to decide protected area class and criteria of their MPA (Port Moresby).



Photo 6: The traditional dance group of Koiari people, participating in ranger workshop held by UNDP in VNP (VNP).

# Photo Library, October 2018



Photo 1: Mr. Asano of JICA presenting the biodiversity reports of Varirata National Park to the audience and Ms. Kay Kalim of CEPA during the book launching at Gateway Hotel (Port Moresby).



Photo 3: Mr. Asano of JICA explaining to the study tour participants about the environment information of the new Information Center during the biodiversity seminar (VNP, Sogeri).



Photo 5: Mr. Hosihiai of JICA giving instruction to local contractor Color Boys on the installation of picture walls in new IC (VNP, Sogeri).



Photo 2: Mr. Asano of JICA and the team meeting with Ms. Michelle McGeorge, who is the director of Port Moresby Nature Park at biodiversity seminar (Gateway Hotel, Port Moresby).



Photo 4: Mr. Asano of JICA with Mr. Namiki of Japanese Embassy explaining about interior of the new Information Center during the installation work (VNP, Sogeri).



Photo 6: Mr. Asano of JICA installing the picture panel on the walls of new Information Center (VNP, Sogeri)



Photo 7: JICA and CEPA Project Team having meeting with Dr. Jane Mogina of ExxonMobil for biodiversity seminar arrangements (CEPA, Port Moresby)

Photo 8: Dr. Nagahama of JICA and CEPA Project Team having meeting with Ms. Gertrude Miria of NCDC for the land use planning for Bootless Bay (CEPA, Port Moresby)



Photo 9: JICA and CEPA undertaking mangrove monitoring at Bootless Bay (NCDC).



Photo 10: Dr. Imae of JICA and JICA local experts installing new camera traps at Varirata National Park (VNP, Sogeri).



Photo 11: JICA local experts and CEPA C/P meeting with NCDC Local-Level Government Manager and Deputy Administrator of Moresby South (Bootless/Tuna Bay areas) at City Hall (Port Moresby).



Photo 12: Mr. Bito of JICA discussing with community clan leaders on the registration of local association for the management of the Park (Depo, Sogeri).

# Photo Library, September 2018



Photo 1: Mr. Hoshiai of JICA inspecting wood deck installation work for Information Center Complex (VNP).



Photo 2: Mr. Hoshiai of JICA having a meeting with Rhodes PNG Ltd., construction contractor for Information Center Complex (Port Moresby).



Photo 3: Tile installation progressing for renovation of Old Information Center (VNP).



Photo 4: Local carvers from Gawi Arts finishing carvings for Information Center Complex (VNP).



Photo 5: Mr. Hoshiai of JICA inspecting test printing of wall paper for new information center (Port Moresby).



Photo 6: Mr. Hoshiai of JICA giving instruction for the installation method of wall paper (Port Moresby).



Photo 7: Mr. Bito of terrestrial PA expert of JICA retrieving the SD card from the cameras during the monthly camera trap monitoring (VNP).



Photo 8: CEPA-JICA project team discussing arrangement of chairs and tables for Inaugural Ceremony for Information Center Complex (VNP).



Photo 9: CEPA-JICA project team having 6th BBMCI meeting and launched two project kayaks (Port Moresby).



Photo 10: The installation of signboard for mangrove protection has been completed (Tahira).



Photo 11: Mr. Mochizuki of JICA discussing with the clan leaders and woman leaders on IPA registration and their bank account (Depo, Koiari LLG).

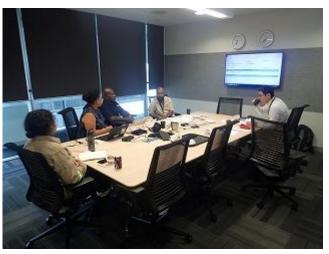


Photo 12: Mr. Mochizuki of JICA and CEPA Project Team discussing with staffs of Exxon Mobil on biodiversity seminar (Port Moresby).

# Photo Library, August 2018



Photo 1: Mr. Mochizuki of JICA discussing with Mr. Kennedy, Manager of Koiari LLG on livelihood development activities for Koiari (Port Moresby).



Photo 2: Mr. Mochizuki of JICA speaking to the clan leaders and woman leaders at Depo village on livelihood development options for Varirata National Park (Koiari LLG).



Photo 3: CEPA-JICA project team confirming progress of wood decking for Information Center Complex (VNP).



Photo 4: Mr. Hoshiai of JICA giving instruction for the measurement of walls of new information center for finalizing display contents (VNP).



Photo 5: Dr. Nagahama of JICA with Mr. Alius of UPNG checking a signboard for mangrove protection at Tahira (Tahira).



Photo 6: Dr. Nagahama of JICA and CEPA Project Team discussing with Prof. Simon Saulei and Mr. Pius Piskaut of UPNG on marine activities at Bootless Bay (Port Moresby).

# Photo Library, July 2018



Photo 1: Mr. Asano and the project team, discussing with Mr. Benside Thomas of CEPA on key issues for VNP management plan (Port Moresby).



Photo 2: Project Expert Team visited Natural History Division of National Museum & Art Gallery to familiarize on general exhibition or gallery display for new IC (Port Moresby).



Photo 3: Mr. Hoshiai, discussing with Mr. Howard and Mr. Geno of Rhodes on final procurement for wood decking for old IC (Port Moresby).



Photo 4: Dr Imae and Mr. Biatus discussing with Dr Allen Allison on the final deliverables of biodiversity survey of VNP (Port Moresby).



Photo 5: Mr. Hoshiai, discussing on the wood deck construction with Mr. Geno of Rhodes PNG and Mr. Howard at the construction site (VNP).



Photo 6: New signboards for mangrove protection were installed at the water front of Bootless Bay (Bootless Bay/Port Moresby).



Photo 7: Mr. Asano and CEO of Rhodes PNG signing the new contract on the wood deck construction of old IC in CEPA office (Port Moresby).



Photo 8: Mr Mamu made a demonstration on how to reset camera traps to Dr Imae at VNP (VNP).



Photo 9: Mr. Saguba of Pacific Adventist University, explaining the bird watching posters to Dr Imae and the PNGTPA (Mr. Nathan and Mr. Wilfred) at the new bird watching shelter (PAU).



Photo 10: Dr Imae and Ms Ayako inspecting the conditions of the toilets at VNP (VNP).



Photo 11: Project team and CEPA officers held a meeting with the MD on new gate fees system of VNP (CEPA).



Photo 12: The Project purchased two new kayaks for the Bootless Bay proposed Marine Protected Area (Port Moresby).

# Photo Library, May 2018



Photo 1: Mr. Asano and Mr. Hoshiai of JICA inspecting the work of the sub-contractor inside of New Information Center (VNP).



Photo 2: Workers of Rhodes PNG Ltd.(sub-contractor) finalizing interior of New Information Center (VNP).



Photo 3: The installation of steel posts for wood decking were ongoing (VNP).



Photo 4: Dr. Nagahama discussing on the results of biodiversity survey in Bootless Bay with Mr. Pius of UPNG (UPNG).



Photo 5: CEPA-JICA Project Team surveying mangrove areas in Tahira farm to decide places of setting signboards (Tahira).



Photo 6: Dr. Nagahama having a meeting with the representative of Central Papua Conference (CPC) for discussing working schedule of MOU for mangrove protection (Port Moresby).

# Photo Library, April 2018



Photo 1: Mr. Sakano of JICA discussing work schedule of wood decking for IC complex (VNP).



Photo 2: CEPA-JICA project team attending the National Coordinating Committee of the Coral Triangle Initiative with national stakeholder members (Port Moresby).



Photo 3: Workers of cement company are conducting concrete test for checking strength of concrete (VNP).



Photo 4: CEPA-JICA project team attending CEPA-CPC MOU signing ceremony at CPC office (Port Moresby).



Photo 5: A worker of Rhodes PNG Ltd.(sub-contractor) installing a door for new information center (VNP).



Photo 6: Mr. Imai of JICA checking work progress of renovated old information center (VNP).

#### Photo Library, March 2018



Photo 1: The 5<sup>th</sup> BBMCI meeting was held in 15 March 2018. More than 20 people from different institutions participated including the local land owner and Loloata Island developer (Port Moresby).



Photo 2: Mr. Asano of JICA, explaining the recent project achievements to the people from the Japanese Embassy and JICA PNG Office. (Port Moresby).



Photo 3: Dr. Nagahama, Mr. Suruman and Mr. Ormana of CEPA-JICA Project Team, visiting Manus Provincial Government Office to collect information on MPA establishment (Lorengau).



Photo 4: CEPA-JICA Project Team, visiting the office of Wildlife Conservation Society in Manus Island. They work in 10 proposed MPA sites (Lorengau).



Photo 5: CEPA-JICA Project Team having a meeting with Central Papua Conference (CPC). We agree on the MoU for mangrove protection in their land at Bootless Bay (Port Moresby).



Photo 6: Dr. Nagahama of JICA measuring the dimensions of the land. CEPA-JICA Project Team had various dialogues with the local collaborator, Mr. Chapman, who signed MoU for protecting mangrove in their land. (Bootless Bay).

# Photo Library, February 2018



Photo 1: Mr. Imai of JICA discussing on the renovation of old information center with Mr. Howard of CEPA-JICA Project team (Port Moresby).



Photo 2: Mr. Mochizuki of JICA having a meeting with Mr. Alfred Kennedy, the manager of Koiari LLG, for discussing on the progress of making the development plan (Port Moresby).



Photo 3: Mr. Imai of JICA inspecting the work for IC complex (VNP).



Photo 4: Mr. Mochizuki of JICA discussing on the results of social mapping with Dr. Rodney from socioeconomic survey team (Port Moresby).



Photo 5: Ms. Ochi and Dr. Nagahama of JICA having a meeting with a CEPA counterpart about zonation of the Mangrove Protecetd Area (Port Moresby).



Photo 6: Ms. Ochi and Dr. Nagahama of JICA conducting joint site observation for mangrove protection with the land owner of Tahira farm (Tahira).



Photo 7: CEPA-JICA project marine team visiting mangrove areas in Tahira farm to select places of setting signboards (Tahira).



Photo 8: Dr. Nagahama of JICA confirming the progress of marine biodiversity survey at University of PNG (Port Moresby).



Photo 9: CEPA-JICA project marine team visiting Central Papua Conference office to discuss on MoU for protection of mangroves in their land at Tahira (Port Moresby).



Photo 10: Mr. Asano of JICA inspecting the progress of construction of IC complex (VNP).



Photo 11: Local contractor digging holes for installing support piles of wood deck (VNP).



Photo 12: JICA expert and his counterparts from the forestry agency of Solomon Islands' government visited VNP for learning management of the park (VNP).

# Photo Library, January 2018



Photo 1: Mr. Sakano and Mr. Imai of JICA discussing on the design of the new IC with the sub contractor (Rhodes) workers (VNP).



Photo 2: Mr. Sakano of JICA inspecting the renovation work of the old IC (VNP).



Photo 3: Mr. Asano of JICA shaking hands with Mr. Piskaut of UPNG for the commencement of marine biodiversity survey at Bootless Bay (Port Moresby).



Photo 4: CEPA-JICA Project team inspecting the construction of the new IC (VNP).



Photo 5: Mr. Howard of CEPA-JICA Project team using the draft floor design of the wooden decking to make measurement at the construction sites (VNP).



Photo 6: Mr. Brian Brunton (legal consultant of UNDP who is drafting the PA Bill) explaining the costs consideration to the CEPA-JICA project team during the PA Bill review session (Port Moresby).



Photo 7: UPNG marine scientists preparing for the coral survey at Bootless Bay (Bootless Bay).



Photo 8: Ms. Ochi of JICA discussing the mangrove map of Bootless Bay with Mr. Suruman, the Manager for Marine Ecosystem of CEPA (Port Moresby)



Photo 9: Mr. Brunton facilitating the review session of PA Bill with the senior officers of CEPA including CEPA-JICA Project Team (Port Moresby).



Photo 10: UPNG marine specialist undertaking coral reef survey as a part of marine biodiversity survey near Motupore Island (Bootless Bay).



Photo 11: Mr. Bito, Terrestrial PA expert of JICA Expert Team retrieving the SD card from the cameras during the monthly camera trap monitoring (VNP).



Photo 12: Mr. Mamu, local coordinator of JICA Expert Team inspecting the artwork on the signs for IC complex (Port Moresby).

# Photo Library, December 2017



Photo 1: Dr. Nagahama of JICA discussing with Mr. Warren Chapman, a land owner of Tahira neighboring site, on mangrove protection at Tahira Farmland, Bootless Bay (Port Moresby).



Photo 2: Mr. Mochizuki of JICA discussing on five-year development plan for Central Province with Mr. Kini Kenneth Mala, Policy Advisor of Central Provincial Administration (Port Moresby).



Photo 3: Mr. Sakano and Mr. Hoshiai of JICA having a regular meeting with Rhodes PNG Ltd., construction contractor for new information center (Port Moresby).



Photo 4: Dr. Nagahama of JICA discussing with Lamana Holding's representative on BBMCI partnership (Port Moresby).



Photo 5: Mr. Sakano of JICA and Mr. Alex of Rhodes discussing on the construction of the new information center (VNP).



Photo 6: Local carvers from Gawi Arts carrying totems for storing in the renovated information center (VNP).

#### Photo Library, November 2017



Photo 1: Mr. Sakano and Mr. Imai of JICA verifying the progress of construction of new information center with Mr. Benside of CEPA (Port Moresby).



Photo 2: Mr. Lokani of Mamagraun (local NGO) discussing with Mr. Mamu and Mr. Opu of CEPA-JICA team on "Certificate in Community Management" courses to be held at UPNG from December 10 to 22, 2017 (Port Moresby).



Photo 3: Mr. Asano of JICA inspecting carvings for installing IC complex (Port Moresby).



Photo 4: Mr. Sakano and Mr. Imai of JICA discussing with Rhodes PNG Ltd.(sub-contractor) on the status of new information center construction (Port Moresby).



Photo 5: Mr. Sakano and Mr. Imai of JICA inspecting progress at the construction site of new information center (VNP).



Photo 6: Mr.Sakano and Mr. Imai of JICA inspecting progress of renovation of old information center (VNP).



Photo 7: Mr. Imai of JICA discussing with Ms. Solien of CEPA on the progress of Protected Area Bill in relation to Output 1 of the Project (Port Moresby).



Photo 8: Mr. Mochizuki of JICA discussing contents of study/exposure tour for livelihood development with Mr. Nathan Lati of TPA (Port Moresby).



Photo 9: Mr. Asano explaining the outline of the activity at VNP to Dr. Hasegawa and Mr. Shigefuji of the Monitoring Mission from JICA HQ (Port Moresby).



Photo 10: Dr. Nagahama explaining to the JICA Monitoring Mission and UPNG about Output 3 activities (Tahira).



Photo 11: Biodiversity survey team explaining the results of the survey to JICA Monitoring Mission (VNP).



Photo 12: CEPA-JICA project team discussing the results of social mapping with Dr. Rodney of socioeconomic survey team (Port Moresby).



Photo 13: Dr. Nagahama of JICA discussing a target area for establishing MPA with Mr. Bernard of CEPA (Port Moresby).



Photo 14: CEPA-JICA team discussing results of biodiversity survey with Dr. Alison of biodiversity survey team (VNP).



Photo 15: Mr. Benside of CEPA making a presentation about facility development in VNP at the 3rd JCC meeting (Port Moresby).



Photo 16: Mr. Asano of JICA making a presentation about management framework of VNP at the 3rd JCC meeting (Port Moresby).



Photo 17: Dr. Alison from biodiversity survey team explaining results of the survey at the 3rd JCC meeting (Port Moresby).



Photo 18: Mr. Hoshiai of JICA having a regular meeting with Rhodes PNG of construction contractor for new information center (Port Moresby).

# Photo Library, October 2017



Photo 1: Mr. Asano and Mr. Watanabe of JICA, discussing with Dr. Allen Allison, who represents the expert group for biodiversity survey on their major deliverables (Port Moresby).



Photo 2: Dr. Allison giving direction to his field staff for conducting a biodiversity survey (VNP).



Photo 3: JICA Expert Team, interviewing Dr. Rodney Kameata, for monitoring the progress of socioeconomic survey (Port Moresby).



Photo 4: Mr. Asano of JICA explaining the importance of social mapping during the progress presentation for socioeconomic survey at CEPA Hohola office (Port Moresby).



Photo 5: Mr. Ted Mamu, JICA local coordinator, discussing about the bird watching project with Dr. Darren Bito at Pacific Adventist University (PAU) (Port Moresby).



Photo 6: Mr. Job Opu, JICA Marine Expert, discussing with Mr. Wanaga of Central Papua Conference (CPC) about the proposal of establishing MPA at CPC's property in Bautama near Bootless Bay (Port Moresby).



Photo 7: The renovation of existing information center at Varirata National Park is ongoing. Photo showing the interior of the building (VNP).



Photo 8: The renovation of the existing information center is ongoing. Photo showing side view (VNP).



Photo 9: The construction of the new information center with steel posts and beams (VNP).



Photo 10: Mr. Mamu, JICA technical coordinator, explaining to the local community the purpose of social mapping and socio-economic studies (Depo/Sogeri)



Photo 11: JICA Expert Team undertaking the monthly monitoring of camera traps (VNP).



Photo 12: Mr. Imai discussing with the local contractor - Hahebou, and Mr. Howard - JICA local expert, on preparation of wooden decking of old information center (VNP).

### Photo Library, September 2017



Photo 1: Patrolling the trail of Varirata National Park by CEPA-JICA project staff (VNP).



Photo 2: Mr.Watanabe checking totems to be used for new information centre complex (Port Moresby).



Photo 3: Renovation of old information center is ongoing and once completed will be part of new complex as a auditorium (VNP).



Photo 4: Newly installed trench and wooden foot bridge, ready to be used by visitors (VNP).







Photo 7: Camera trap monitoring is ongoing since September 2015. Regular maintenance is also closely monitored (VNP).

Photo 8: Auditorium is being renovated by local contractor (VNP).





Photo 9: Mr. Dabio Moi of ecological survey team preparing Museum and DNA specimens for reptiles and frogs collected at Varirata National Park (VNP).

Photo 10: Mr. Angus Fraser, ecologist and photographer explaining to CEPA-JICA team on photos taken during the survey (VNP).





Photo 11: Local ecological survey team preparing museum specimens at their wet lab (VNP).

Photo 12: UPNG plant experts identifying plants of Motupore Island (UPNG/Port Moresby).



Photo 13: CEPA-JICA Project members, visiting the President of Central Papua Conference to have MoU to establish MPA in their land (Port Moresby).



Photo 14: Marine Protected Area working group for Aioro (Horse Shoe) Reef was establish at CEPA. Central Province Government, Hiri LLG, UPNG, the Dive Center and CEPA agreed to participate the working group (Port Moresby).



Photo 15: Yukio Nagahama, JICA, visiting Tahira UPNG land where will be established MPA by CEPA-JICA Project and UPNG.



Photo 16: CEPA-JICA project members, visiting UPNG land to confirm land boundary and condition of the nature (Tahira).



Photo 17: A kind of bivalve was found in Bootless Bay. The resource should be protected because it has high commercial value (Bootless Bay).



Photo 18: CEPA-JICA Project members, visiting President of Central Papua Conference to have MoU to establish MPA in their land (Port Moresby).



Photo 19: CEPA-JICA team traveling to Motupore Island to attend the biodiversity training close up (Motupore Island).



Photo 20: Mr Suruman of CEPA giving a closing remark after the biodiversity conservation training on Motupore Island (Motupore Island).



Photo 21: Local participants attaining certificates of participation at the biodiversity training at Motupore Island (Motupore).



Photo 22: Local contractor installing signboards of CEPA-JICA marine project at Tahira (Tahira).



Photo 23: CEPA-JICA team meeting with Ramsar Regional office on proposal for Bootless Bay to be a Ramsar Site (CEPA/Port Moresby).



Photo 24: CEPA-JICA Project sign board is installed at Motopore Island under the MoU with UPNG (Motopore Island).

### Photo Library, August 2017



Photo 1: Social mapping and socio-economic survey around VNP are ongoing. JICA local consultant, having a first meeting with four clan leaders of VNP (Depo/Central Province).



Photo 2: Repairing the drainage in Varirata National Park has successfully been completed (VNP).



Photo 3: Mr. Mochizuki of JICA, explaining progress of renovation of the old Information Center to Mr. John Pundari, Minister for Environment & Conservation, Climate Change (VNP).



Photo 4: Roof repairing work is progressing for renovation of Old Information Center (VNP).



Photo 5: A local craftsman making a totem pole with cultural baserelief for renovation of old Information Center at Varirata National Park (Port Moresby).



Photo 6: Bird Watching Shelter was installed at the campus of Pacific Adventist University (PAU) as per the agreement in the MoU. The project provided technical assistance for it (PAU).



Photo 7: Working Group Meeting for discussing on MoU for establishing Marine Protected Area at Horse Shoe Reef. The MoU was drafted based on the discussion (CEPA).



Photo 8: Field survey for defining zones in proposed Tahira Mangrove Protection Area, based on the agreed MoU between CEPA and UPNG (Tahira).



Photo 9: Front container was installed to the project dinghy, which assists project activity to be more efficient (Tahira).



Photo 10: Installing a deck board to the project dinghy has been completed (Tahira).



Photo 11: Meeting with Mr. Arnold Lakamanga, Manager for Marketing & GIS Information of Mineral Resources Authority as a part of Social Mapping Study (Port Moresby).



Photo 12: Meeting with UPNG for marine biodiversity survey, which is defined in the MoU for MPA establishment (UPNG).

## Photo Library, July 2017



Photo 1: CEPA-JICA team, discussing on Conservation Deed for establishing MPA with Mr. Brian Brunton (lawyer) and Mr. Lester Seri who are legal experts (CEPA, Port Moresby).



Photo 2: The project boat is under renovation for installing deck board (Tahira).



Photo 3: Dr. Nagahama and Mr. Asano of JICA, discussing with UPNG on MoU for Bootless Bay conservation (UPNG, Port Moresby).



Photo 4: Launching of MoU signing between UPNG and CEPA (Port Moresby).



Photo 5: CEPA-JICA team, TPA, PAU and the contractor, discussing the design of bird watching shelter to be installed in PAU (PAU).



Photo 6: Dr. Rodney Kameata of SERACS interviewing the staff of Sogeri Lodge for social mapping (Koiari).



Photo 7: CEPA-JICA team, discussing with local architect on renovation of old Information Center in Varirata National Park (CEPA, Port Moresby).



Photo 8: Construction company for new Information Center, constructing base camp kit house in Varirata National Park (VNP).



Photo 9: CEPA-JICA team, discussing on the design of new Information Center with the contractor (CEPA, Port Moresby)



Photo 10: Car stop piles were installed at the parking area in Varirata National Park (VNP).



Photo 11: Local construction contractor, repairing the drainage of parking area in Varirata National Park (VNP).



Photo 12: Several wooden foot-bridges in Varirata National Park is in the middle of construction (VNP).

### Photo Library, June 2017



Photo 1: Traditional dance group of Koiari people, performing dance at World Environmental Day on 5th June 2017 (VNP).



Photo 2: Traditional cooking group of Koiari people, preparing lunch boxes at World Environmental Day on 5th June 2017 (VNP).



Photo 3: CEPA-JICA team, discussing livelihood development plan for Koiari people (CEPA/Port Moresby).



Photo 4: Social groups established by the Project (Cultural item group) in Koiari, having a discussion for their activity plan (Koiari LLG).



Photo 5: Koiari traditional "bilum" woven from Tulip tree bark shown by the social group - "bilum" is a traditional neck bag used for carrying food and various staffs. Fiber of the bag was dyed with the roots of ginger plant (Koiari LLG/Central Province)



Photo 6: Clay pot, club and spear shown by social group - The club and spear are used as weapon and shield during tribal fights in old days. The clay pots are used for fetching water for cooking (Koiari LLG/Central Province).



Photo 1: CEPA-JICA Project, supported the event of Coral Triangle Day at Konebada beach. (Port Moresby).



Photo 2: Third meeting of Bootless Bay Marine Conservation Initiative (BBMCI) was held on  $21^{\rm st}\,\text{June}~2017$  at CEPA office (Port Moresby).



Photo 3: Mr. Henry Elias, GM of Pacific Energy Aviation Ltd, presenting proposed development plan on fuel/gas pipeline from Bootless Bay to Jacksons Airport in BBMCI (Port Moresby).



Photo 4: Ms. Judith Raka, PNG Port, pointing on exposed soils from excavations from Loloata Island Resort Development by Lamana Holdings (Port Moresby).



Photo 5: CEPA-JICA Project attended Ridge to Reef Project workshop at Pari village (Pari/NCDC).



Photo 6: Meeting held between University of Papua New Guinea (UPNG) and CEPA for the signing of MoU for the establishment of mangrove protection area and MPA in Bootless Bay (UPNG/Port Moresby).

# Photo Library, May 2017



Photo 1: CEPA-JICA team retrieving data from camera traps at VNP during the monthly check of the cameras (VNP).



Photo 2: CEPA-JICA team, inspecting the car park area at VNP for planning of renovation (VNP).



Photo 3: Mr. Imai of JICA and Mr. Omoro Asi (local contractor), discussing renovation of car park area at Varirata National Park (VNP).

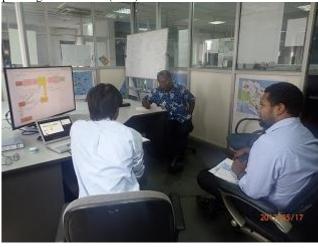


Photo 4: CEPA JICA team, discussing new fee system of Varirata National Park (CEPA).



Photo 5: The biodiversity survey team consisted of local people, collecting plant specimens at Varirata National Park (VNP).



Photo 6: Representatives of social groups established by the Project (dancing group and cooking group) in Koiari, having a meeting for the performance at World Environmental Day on 5<sup>th</sup> June 2017 (Koiari LLG).

# Photo Library, April 2017



Photo 1: CEAP-JICA staff, receiving participants at the inaugural event (VNP).



Photo 2: Participants having a session in the event (VNP).



Photo 3: Mr.Asano of JICA, giving an explanation on the result of facility renovation works of the Project (VNP).



Photo 4: Cutting of ribbon for signboards and other facilities with Koiari LLG, CEPA, JICA-PNG, Central Provincial Government, and local community representatives (VNP).



Photo 5: Ground breaking ceremony for new Information Center and renovation of existing Information Centre (VNP).



Photo 6: Invited guests been served traditionally cooked food by Koiari Cooking Group, which was formulated by the Project (VNP).



Photo 7: Local Cooking Group which was formulated by the project as a part of livelihood development activities, preparing local dishes to be served at the event (VNP).



Photo 8: Local Dancing Group which was formulated by the project as a part of livelihood development activities, preparing costume to be used at the event (VNP).



Photo 9: Traditional costume crown using feather of bird of paradise (VNP).



Photo 10: Local Dancing Group fully dressed up with Koiari's traditional dancing costume (VNP).





Photo 12: Member of Local Cooking Group and Local Dancing Group discussing about menu to be served at the event (VNP).



Photo 1: Signboard which promotes project activities in the area was installed at the entrance of Tubuseria village (Tubuseria).



Photo 2: Cutting ribbon of signboards which were installed in three locations of Tubuseria Village and its suburb (Tubuseria).



Photo 3: Snapshot from coastal clean-up event under BBMCI on 12 April 2017(Tubuseria).



Photo 4: Snapshot from coastal clean-up event under BBMCI on 12 April 2017(Tubuseria).



Photo 5: Mr. Asano of JICA, giving opening speech at coastal cleanup event under BBMCI on 12 April 2017(Tubuseria).



Photo 6: Ms. Kalim, Director for Sustainable Environment Program CEPA, giving opening speech at coastal clean-up event under BBMCI on 12 April 2017(Tubuseria).



Photo 7: Councilor of Tubuseria Village, giving opening speech at coastal clean-up event under BBMCI on 12 April 2017(Tubuseria).



Photo 8: Mr. Hetahu who is director of local waste management NGO, giving opening speech at coastal clean-up event under BBMCI on 12 April 2017(Tubuseria).



Photo 9: Event T-shirt was distributed to the participants (Tubuseria).



Photo 10: Participants collecting rubbish at the coast of Tubuseria village (Tubuseria).



Photo 11: Collected rubbish bags at the event (Tubuseria).



Photo 12: Coastal view "after" the collection of rubbish (Tubuseria).



Photo 13: Collected rubbish bags were transferred to dumpling site by tipper truck (Tubuseria).



Photo 14: The event participants, carrying collected rubbishes to dumpling site (Tubuseria).



Photo 15: Group photo from the coastal cleanup event (Tubuseria).



Photo 16: Snapshot from the coastal cleanup event (Tubuseria).



Photo 17: The second BBMCI official meeting was held on 19 April 2017 (CEPA).



Photo 18: The second BBMCI official meeting was held on 19 April 2017 (CEPA).

## Photo Library, March 2017



Photo 1: Mr. Mochizuki of JICA, collecting member list of social group for developing ecotourism (Koiari LLG).



Photo 2: Mr. Fredrick of CEPA, presenting project outline to participants of company event at VNP (Varirata National Park).



Photo 3: Social group members for ecotour development, discussing activity plan for traditional dance group (Koiari LLG).



Photo 4: CEPA-JICA project team and Mr. Morea, advisor of Central Provincial Government, discussing five years development plan for Central province (Port Moresby).



Photo 5: Traditional dance group of Koiari, having an audition for checking their dancing skill at VNP (Varirata National Park).



Photo 6: CEPA-JICA project team and Mr. Yabba, team leader of social group for traditional dance, discussing activity plan for traditional dance group (Koiari LLG).



Photo 7: Male Raggiana Bird of Paradise (*Paradisaea raggiana*) displaying to females in Varirata National Park (photo taken by the JICA expert in 26<sup>th</sup> March 2017) (Varirata National Park).



Photo 8: CEPA-JICA Team invited to the "5th International Day of Forest" in Koiari, organized by PNG Forest Authority (Koiari LLG).



Photo 9: CEPA-JICA Team having a meeting with Mr. Yabba who is a local dance performer and the leader of social group for traditional dance in Koiari (CEPA/Port Moresby).



Photo 10: CEPA stall and JICA expert, visiting Hiri LLG office for the project signboard setting in Tubuseria (Port Moresby).



Photo 11: JICA expert, Dr. Nagahama, getting GPS information on pipeline construction in Bootless Bay from Pacific Energy Aviation Ltd. to conduct baseline survey (Port Moresby).



Photo 12: CEPA-JICA marine team, sharing information about ongoing activities of Output 3 (Port Moresby).

### Photo Library, February 2017



Photo 1: Dr. Nagahama of JICA, interviewing with Dr. Frank Butler, representative of environment NGO, for promoting marine activity (CEPA).



Photo 2: CEPA-JICA project team, having a meeting with Mr. Maravu, the Manager of Hiri LLG on legal background for establishing MPA (CEPA).



Photo 3: CEPA-JICA Project Team visited coastal settlement which is suffering from serious waste dumping problem (Tubuseria/Central Province)



Photo 4: Mr. Sibona, the representative of local NGO and CEPA-JICA Project Team, observing houses on the sea from a hilltop and discussing on coastal cleanup event (Tubuseria/Central Province).



Photo 5: Dr. Nagahama of JICA, having a meeting with a stakeholder (reps of SDA church of Central Papua Conference) of Bootless Bay Marine Conservation Initiative (BBMCI) on MoU and zonation (CEPA).



Photo 6: CEPA-JICA Project Team, interviewing local fishermen and women's group to establish MPA (Tubuseria/Central Province).



Photo 7: "VNP Wrap-Up Workshop on the Project Achievements 2015 – 2016" was held with local clan leaders at Kokoda Trail Hotel on the 2<sup>nd</sup> of February 2017 (Koiari LLG/Central Province).



with local clan leaders at Kokoda Trail Hotel on the 2<sup>nd</sup> of February 2017 (Koiari LLG/Central Province).



Photo 9: "VNP Wrap-Up Workshop on the Project Achievements 2015-2016" was held with local clan leaders at Kokoda Trail Hotel on the  $2^{\rm nd}$  of February 2017 (Koiari LLG).



Photo 10: "VNP Wrap-Up Workshop on the Project Achievements 2015-2016" was held with local clan leaders at Kokoda Trail Hotel on the  $2^{\rm nd}$  of February 2017 (Koiari LLG).



Photo 11: "VNP Wrap-Up Workshop on the Project Achievements 2015-2016" was held with local clan leaders at Kokoda Trail Hotel on the 2<sup>nd</sup> of February 2017 (Koiari LLG/Central Province).



Photo 12: Mr.Kanayama of JICA (architect), explaining about basic plan for Information Center in VNP, to CEPA staff (CEPA).



Photo 13: Dr.Nagahama and Mr Job of JICA, visiting Coastal Fisheries Development Agency to explain ongoing project activities of Output 3 and to invite them as a member of Bootless Bay Marine Conservation Initiative (Port Moresby).



Photo 15: Mr. Vagi of CEPA, explaining significance of participation in BBMCI to PWDA leaders and the secretary (Pari, NCDC).



Photo 17: CEPA-JICA Project Team, promoting the project in the World Wildlife Day event at Nature Park (Port Moresby).



Photo 14: CEPA-JICA Project Marine Team visited Pari Women Development Association. Later, PWDA submitted a letter addressed to CEPA to express their interest to participate in BBMCI (Pari, NCDC).



Photo 16: Dr.Nagahama of JICA, interviewing local leaders about their concerns on marine environment (Pari, NCDC).



Photo 18: Mr. Fredrick of CEPA, explaining importance of CEPA-JICA Project activities in the World Wildlife Day event (Port Moresby).

### Photo Library, January 2017



Photo 1: Group photo from the 2<sup>nd</sup> marine workshop on 31 Jan 2017 at Lamana Hotel (Port Moresby).



Photo 2: Ms. Yvonne Tio of CEPA, making the opening remark at the marine workshop (Port Moresby).



Photo 3: Mr. Henry Elias of Pacific Energy Aviation making a point on the environmental protection of his fuel pipeline project at the marine workshop (Port Moresby).



Photo 4: Mr Edward Kila, Deputy Administrator of Central Province, making a speech at the marine workshop (Port Moresby).



Photo 5: Mr. Bernard Suruman of CEPA making a presentation at the marine workshop (Port Moresby).



Photo 6: 23 people from over 12 concerned institutions participated in the  $2^{\rm nd}$  marine workshop at Lamana Hotel (Port Moresby).

### Photo Library, December 2016



Photo 1: Mr. Mochizuki of JICA, checking the report of geo-soil survey for the Information Center at Varirata National Park (Port Moresby).



Photo 2: CEPA-JICA team, discussing with the member of social groups to develop a packaged tour with the participation of Mr. Alfred Kennedy, Koiari LLG Manager (Port Moresby).



Photo 3: Mr. Nagahama of JICA, visiting container supplier to get a quotation for marine survey equipment (Port Moresby).



Photo 4: Mr. Nagahama, explaining the plan to the supplier (Port Moresby).



Photo 5: A team of security guards was formed under the initiative of the Project at Varirata National Park. Guards were recruited from the land owning clans (VNP).



Photo 6: Security guards, keeping watch over the main lookout of the Varirata National Park (VNP).

# Photo Library, November 2016



Photo 1: CEPA-JICA team inspecting the signboard installed at the main picnic area of the park (VNP).



Photo 2: Mr. Imai and Mr. Mamu of JICA, discussing on electricity line extension to the proposed information center with the staff of PNG Power Ltd. (Port Moresby).



Photo 3: Mr. Imai of JICA, giving guidance to the team of security guards who were employed from local clan groups (VNP).



Photo 4: CEPA-JICA team, installing a camera trap at the park (VNP).



Photo 5: New signboards for park regulation and the bird watching project were about to be installed at the park (VNP).



Photo 6: Leaders of four land owning clans and word councilors, discussing on how to form social groups to develop a packaged tour (Koiari).



Photo 7: CEPA-JICA team, preparing for marine survey at Bootless Bay (Tahira).



Photo 8: CEPA-JICA team participated stakeholder workshop on installation of fuel pipeline at Bootless Bay (Port Moresby).



Photo 9: CEPA-JICA team, discussing about possible zoning of Tahira area to establish a marine protected area (Port Moresby).



Photo 10: CEPA-JICA team, discussing about protection of preserved mangroves at Tubuseria Village with Mr. Felix Daroa from the village (Port Moresby).



Photo 11: A snapshot taken during the marine biodiversity survey (a group of echinus).



Photo 12: A snapshot taken during the marine biodiversity survey (a group of sea cucumber).

## Photo Library, October 2016



Photo 1: Mr.Imai of JICA, supervising the work of soil survey at the proposed site for Information Center (VNP).



Photo 2: JICA expert, Mr.Imai of JICA, having a final consultation with the contractor for topographic survey (VNP).



Photo 3: JICA expert, Mr.Takamura, having a meeting with the staff of PNG Fire Service for the proposed Information Centre at VNP (Port Moresby).



Photo 4: JICA expert, Mr.Takamura, interviewing at PNG Power Limited for the proposed Information Centre at VNP (Port Moresby).



Photo 5: CEPA-JICA team inspecting the signboard installed at the main lookout of the park (VNP).



Photo 6: Mr.Imai of JICA, supervising the contractors installing a signboard at the main picnic site of the park (VNP).



Photo 1: CEPA-JICA team with approx.20 participants taking a commemorative photo (Tahira).



Photo 3: Dingy of 13 ft. being towed by the Project vehicle (Tahira).



Photo 5: Participants enjoying the exhibition of marine equipment, which were purchased for the Project. Dr.Nagahama of JICA is explaining how to use the under water walky-talky (Tahira).



Photo 2: Participants receiving a novelty t-shirts of "Bootless Bay Marine Conservation Initiative". (Tahira).



Photo 4: CEPA-JICA Team purchased an outboard motor of 40 horsepowers. Project staff carrying the motor to be installed in the dingy (Tahira).



Photo 6: The event was held at Tahira Boat Center in Bootless inlet. Approx. 30 people participated from various institutions such as UPNG, PNG Port Authority, National Fisheries Authority, local communities etc. (Tahira).

## Photo Library, September 2016



Photo 1: CEPA-JICA team with Central Provincial Administration (Mr. Morea Arua, Advisor for Planning) discussing about the next 5 years' Development Plan (Port Moresby).



Photo 2: CEPA-JICA Team exchanging batteries of camera traps (VNP).



Photo 3: CEPA-JICA team and Mr. Alfred Kenedy (Koiari LLG Manager) discussing about draft packaged tour for livelihood development in Koiari LLG (CEPA).



Photo 4: CEPA-JICA team checking the condition of the newly purchased outboard motor (Motupore Island).



Photo 5: CEPA-JICA team and Mr. Nathan, Program Manager of Tourism Promotion Authority (TPA) discussing on the draft packaged tour for livelihood development in Koiari LLG (Crowne Plaza Hotel, Port Moresby).



Photo 6: Construction workers installing main signboard at the main picnic area (VNP).

### Photo Library, August 2016



Photo 1: Dr.Nagahama and Mr.Opu of JICA Expert Team, discussing about Bootless bay conservation with Mr. Sibona Nabaru, the Manager of Hiri Rural LLG (Port Moresby).



Photo 2: CEPA-JICA Team with professors from UPNG and representatives from Central Papua Conference (CPC) had a joint observation trip to the mangrove sites (Bootless Bay).



Photo 3: CEPA-JICA Team with professors from UPNG and representatives from Central Papua Conference (CPC) had a joint observation trip to the mangrove sites of Tahira inlet (Bootless Bay).



Photo 4: Experts from UPNG, CEPA-JICA Team and local communities, discussing on the site of protection at the Inception Workshop (Motupore Island).



Photo 5: CEPA-JICA Team with professors from UPNG and representatives from Central Papua Conference (CPC) had a joint observation trip to the proposed mangrove protection sites of Tahira inlet (Bootless Bay).



Photo 6: Inception Workshop for Bootless Bay Conservation initiative was taken place on 16<sup>th</sup> August, with approximately 30 participants from various institutions and local communities (Motupore Island).



Photo 7: CEPA-JICA Team along with its partners made a number of field observation trip to the proposed mangrove protection sites of Tahira inlet (Bootless Bay).



Photo 8: Participants of Inception Workshop for Bootless Bay Conservation initiative getting a boat to go to Motupore Island (Motupore Island).



Photo 9: Mr. Vagi Rei, Manager of Marine Protected Area of CEPA explaining concept of zoning on the proposed mangrove protection sites of Tahira inlet (Bootless Bay).



Photo 10: CEPA-JICA Tem discussing with the staff of National Capital District Committee (NCDC) for mangrove protection (Port Moresby).



Photo 11: Mr.Kisea, Park Ranger for Varirata National Park started wearing newly introduced uniform for his service, with new signboard installed by the Project (Varirata National Park).



Photo 12: Mr. Benside Thomas, Manager of Terrestrial Protected Area of CEPA wearing newly introduced uniform (vest) (CEPA).

# Photo Library, July 2016

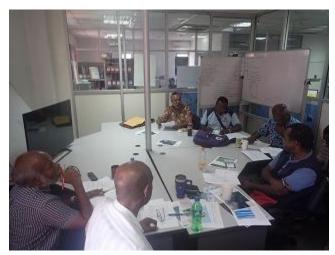


Photo 1: CEPA-JICA Team has been having consultations with UPNG for developing a joint work plan for mangrove protection at Bootless Bay inlet (CEPA).



Photo 2: CEPA-JICA Team conducted monitoring work for renovated park facilities (VNP).



Photo 3: CEPA-JICA Team continues monitoring activities using trap cameras. SD card and battery are exchanged once a month (VNP).



Photo 4: CEPA-JICA Team conducted monitoring work for renovated park facilities (VNP).



Photo 5: Mr. Imai (JICA) and Mr. Ohmana (CEPA) are having discussions on the progress of park facility renovation, and planning monitoring work for renovated facilities (CEPA).



Photo 6: Local construction company has conducted a field survey for proposing renovation of the Information Center. (VNP).

## Photo Library, June 2016



Photo 1: Speech given by Mr. Gunter Joku (MD of CEPA) during World Environment Day (Adventure Park outside Port Moresby).



Photo 2: Mr. Fredrick Ohmana and Mr. Omoro Asi (local contractor) discussing the quote for piles installation for parking lots (VNP).



Photo 3: Meeting with UPNG on draft MoU for birdwatching and MPA establishment at the Bootless Bay(CEPA).



Photo 4: CEPA-JICA team retrieving data from camera traps at VNP during the monthly check of the cameras(VNP).



Photo 5: Mr. Vagi Rei, Mr. Fredrick Ohmana (CEPA) and Ms. Ochi Ayako (JICA) listening to discussions during the meeting with UPNG on the draft MoU(CEPA).



Photo 6: Meeting with 4 clan leaders at Depo village/Koiari regarding the equal participation of local landowners for the work(Koiari).

# Photo Library, May 2016



Photo 1: CEPA –JICA Team, having a discussion with Mr. Kila, who is Deputy Provincial Administrator of Central Province (CEPA).



Photo 2: CEPA-JICA Team, giving instructions to local carpenters on signage design for VNP facility development (Koiari LLG).



Photo 3: CEPA-JICA Team, giving instructions on installement of signage at VNP (VNP).



Photo 4: CEPA-JICA Team and local landowners, having a rest during the joint expedition trip in Doe (Koiari LLG).



Photo 5: CEPA-JICA Team, giving instructions during the 4th community workshops in Koiari (Koiari LLG).



Photo 6: CEPA-JICA Team, giving instructions during the 4th community workshops in Koiari (Koiari LLG).

### Photo Library, April 2016



Photo 1: CEPA marine officer - Mr. Vagi Rei, explaining about development issues in Bootless Bay at the meeting with UPNG. (UPNG).



Photo 3: Nine clan members from Doe community came up to the meeting with an idea of establishing a new protected area in their land. (Koiari LLG).



Photo 5: A snapshot from drone survey at Tuna Bay.



Photo 2: Mr.Ogi - the president of Koiari LLG, explaining the importance of forest protection at the meeting with representatives from Doe community. (Koiari LLG).



Photo 4: A snapshot after the meeting with clan representatives from Doe community. (Koiari LLG).



Photo 6: JICA Expert - Mr. Watanabe, preparing for drone survey at Tuna Bay.



Photo 7: CEPA Project Coordinator - Mr. Fredrick Ohmana, giving the project polo-shirts to his work partners in Tourism Promotion Authority (TPA).



Photo 9: JICA Expert -Ms.Ochi, giving a presentation on the use of World View II satellite imagery (CEPA).



Photo 11: JICA Chief Advisor -Mr.Asano, giving instructions on the structure of "Koiari tree house" to local carpenters (Koiari LLG).



Photo 8: CEPA-JICA Team had a series of meetings with CEPA Protection Wing on environmental impact of proposed pipeline project at Bootless bay (CEPA).



Photo 10: JICA Expert - Ms.Ochi, conducting ground truthing exercise for clarifying stream lines (VNP).



Photo 12: Local women and children, having a relaxing time at the Mirigeda river of Bootless Bay (Bootless bay).

# Photo Library, March 2016



Photo 1: JICA expert - Mr. Mochizuki and the clan member, discussing about the proposal for "Koari tree house" (Koiari LLG).



Photo 2: JICA Technical Coordinator, Mr.Ted Mamu, supervising installation of distance piles at VNP. Piles were installed along all tracks in every 100 m (VNP).



Photo 3: JICA Expert Team -Mr.Mochizuki, Mr.Mamu and TPA - Mr.Nathan, discussing on the bird watching project (Port Moresby).



Photo 4: Work for distance pile installation. (VNP).



Photo 5: A photo of the wood bridge at the main picnic site of VNP, after renovation work by the Project (VNP).



Photo 6: A 3D image of the picnic site of VNP, generated by drone aerial photos.

#### Photo Library, February 2016



Photo 1: (from left) CEPA Director, TPA CEO, PAU Vice Chancellor, Koiari LLG manager and the JICA Chief Avisor, signing MoUs for bird watching joint project (Lamana Hotel).



Photo 2: Presentation by Ms.Kay, CEPA Director, at the signning ceremony for bird watching MoU with local media (Lamana Hotel).



Photo 3: JICA Chief Avisor -Mr. Asano, Koiari LLG President -Mr.Ogi and his staff, discussing on the bird watching MoU (Koiari LLG).



Photo 4: JICA Expert-Mr.Mochizuki, CEPA Coordinator – Mr.Fredrick and PAU staff – Dr.Bito, discussing on the bird watching joint project (PAU).



Photo 5: A photo of Joint Site Observation by staff of CEPA, TPA, PAU and JICA Expert Team (Koari LLG).



Photo 6: A photo of Joint Site Observation by staff of CEPA, TPA, PAU and JICA Expert Team (Koiari LLG).

# Photo Library, January 2016



Photo 1: CEPA-JICA Team, changing batteries and a momory card



Photo 3: JICA expert-Mr.Imai, observing the condition of mega-pot nest which has continuously been monitored (VNP).



Photo 5: Local children enjoying bird watching using field scope brought by the JICA Expert (PAU).



Photo 2: CEPA-JICA Team, changing batteries and a momory card of a trap camera (VNP).



Photo 4: CEPA-JICA Project received "Certificate of Appriciation" from Koiari LLG to show their appreciation to the active collaboration and successful implementation of joint activities in 2015.



Photo 6: New construction has started in VNP for toilet facility renovation by Degicel as a conpensation for radio tower construction within the vicinity (VNP).

#### Photo Library, December 2015



Photo 1: JICA expert-Mr.Mochizuki, changing batteries and a momory card of a trap camera (VNP).



Photo 3: JICA Expert Team attending a public meeting held by local NGO for raising awareness for better management of solid waste (Tubseria).



Photo 5: JICA Marine Expert presenting a draft roadmap for Output 3 (CEPA).



Photo 2: Man-made fire because of carelessness are frequently observed in dry season around VNP (Koiari LLG).



Photo 4: CEPA-JICA Team giving a presentaion on the results of facility assesement of VNP (CEPA).



Photo 6: A vehcile donated to CEPA from JICA on 18 Dec 2015 (CEPA).

#### Photo Library, November 2015



Photo 1: Matured cassowary (Casuarius spp.) shot by the proejct's trap camera on 30 Oct 2015 (VNP).



Photo 2: Matured eastern common cuscus (Phalanger intercastellanus) shot by the proejct's trap camera on 20 Oct 2015 (VNP).



Photo 3: JICA Expert Team having a meeting with TPA officers for ecotourism development at Varirata NP (VNP).



Photo 4: CEPA-JICA Team having a presentaion by Mr. Elton Kaitokai of Kokoda Initiative regarding social mapping in Koiari (CEPA).



Photo 5: Group discussion at the follow-up workshop for Koiari (Kokoda Lodge).



Photo 6: Audience having a presentation at the follow-up workshop for Koiari (Kokoda Lodge).

# Photo Library, October 2015



Photo 1: Meeting at TPA with PAU for developing joint birding project. (TPA)



Photo 2: JICA expert discussing for upcoming Inception Workshop (Koiari LLG Office).



Photo 3: Mr. Fredrick and Mr.Imai, working for data collection from trap cameras (VNP).



Photo 4: JICA Expert-Mr.Imai, Setting trap cameras (VNP).



Photo 5: Meeting with for Koiari Inception Workshop (L-R)—Mr.Imai of JICA, Mr.Kelly of Koiari LLG Acting Manager, Mr.David, Senior Officer of Central Provincial Administration.



Photo 6: Trap camera with enforced secutiry chain (VNP).

# Snapshots from Koiari Inception Workshop (1)



Photo 1: Participants waiting for registration (Koiari LLG).



Photo 3: (L-R)–Mr Edward Kila, Koji Asano, David Ogi & Mr Beside Thomas (Koiari LLG).



Photo 5: Participants attentive to TPA presentation (Koiari LLG).



Photo 2: Local participants registering their names for workshop (Koiari LLG).

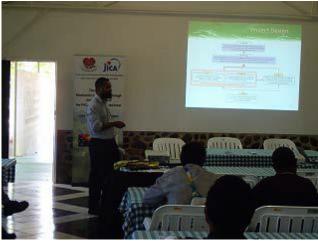


Photo 4: Mr Fredrick Ohmana gave an overview of CEPA-JICA Project (Koiari LLG).



Photo 6: Mr Asano very observant on the group presentations (Koiari LLG).

#### Snapshots from Koiari Inception Workshop (2)



Photo 7: Mr Thomas from CEPA gave an status of VNP at workshop (Koiari LLG).



Photo 8: Participants paying attention to presenters (Koiari LLG).



Photo 9: Mr Simon Pih from TPA giving a presentation on toursim (Koiari LLG).



Photo 10: Mr Kelly Peniaimo of Koiari LLG giving a presentation (Koiari LLG).



Photo 11: Mr Asano providing guidance on group discussions (Group 2) (Koiari LLG).



Photo 12: Participants in group discussion (Group 1) (Koiari LLG).

#### Snapshots from Koiari Inception Workshop (3)



Photo 13: Mr Elton Kaitokai of CEPA emphasising a point in group discussion (Koiari LLG).



Photo 14: Gender participationn was vital in planning & community discussion (Koiari LLG).



Photo 15: Fredrick providing guidance for group discussion (Group 3) (Koiari LLG).



Photo 16: Local community actively participate in group discussions (Koiari LLG).



Photo 17: Woman leaders are also significant in planning and decision making (Koiari LLG).



Photo 18: Sirinumu landowners discussing livelihood issues in their area (Koiari LLG).

#### Photo Library, September 2015



Photo 1: CEPA-JICA Team conducted two-days survey at Bootless Bay. Used the 1st day for observing the coast line. There were fires in many places (Bootless Bay).



Photo 2: CEPA-JICA Team conducted two-days survey at Bootless Bay. Used the 2nd day for observing the coral leef condition at horse shoo lagoon (Bootless Bay).



Photo 3: CEPA-JICA Team checked the condition of mangroves at Tahira (Bootless Bay).



Photo 4: CEPA-JICA Team observed mangrove conditon of Tuna bay (Bootless Bay).



Photo 5: CEPA-JICA Team found that the degradation of mangroves at Tuna Bay was in critical level because of ilegal logging (Bootless Bay).



Photo 6: CEPA-JICA Team found that the condition of coral leefs were good (Bootless Bay).



Photo 7:CEPA-JICA Team made frequent visits to Koiari LLG to have a series of discussions (Koiari LLG).



Photo 9: CEPA-JICA Team frequently visited Ministry of Land Planning to consult on the registration status of boundaries of VNP (Ministry of Land Planning).



Photo 11: CEPA-JICA Team conducted drone survey in many places of Koiari LLG. Photo showing local teacher and students watching drone (Koiari LLG).



Photo 8: Old rubber plantations are one of important income sources for local people in Koiari (Koiari LLG).



Photo 10: CEPA-JICA Team, conducting a C/P meeting (CEPA).



Photo 12: Discussion with Koiari LLG staff on the project boundary (Koiari LLG).

# Photo Library, August 2015



Photo 1: 1st drone flight at VNP (VNP).



Photo 3: Information center is deteriorated at VNP (VNP).



Photo 5: CEPA-JICA Team had many dialogues with Tourism Promotion Authority (TPA) to develop a joint project (POM).



Photo 2: VNP used to have a Koiari tree house, now is completely deteriorated (VNP).



Photo 4: Locals of Koiari are constructing tree house along Sogeri highway to demonstrate local culture in independence day (Koiari LLG).



Photo 6: Donor meeting with JICA, Australian government and UNDP at CEPA (POM).

# Photo Library, July 2015



Photo 1: CEPA-JICA Team confirming the boundary line of VNP. The representative of land owners cran accompanied (VNP).



Photo 2: A photo of the first Joint coordination committee meeting (CEPA).



Photo 3: Situation of the Gares Track of VNP (VNP).



Photo 4: CEPA-JICA Team interviwing residents who live along the road following to VNP entrance (Koiari LLG).



Photo 5: The situation of a kickoff seminar. A photograph is the project presentation by Mr. Fredrick Omana who is CEPA Project Cordinator (POM).



Photo 6: The Kickoff seminar was successfully conducted with more than 100 participants (POM).



Photo 7: A photo of the group work of the Kickoff seminar. The group C discussed about marine reserve (POM).



Photo 8: A photo of the group work of the Kickoff seminar. The group A discussed about about the Varirata National Park and the improvement in thier livelihood (POM).



Photo 9: Commemoration photography at the end of the Kickoff Seminar (POM).



Photo 10: A photo of the group work of the Kickoff seminar. The group B discussed about zoning and land use (POM).



Photo 11: A mangrove nursery being managed by National Fishery Authority (NFA). The nersary was established as a part of MARSH Project of USAID and IUCN (Tahira).



Photo 12: Situation of the repair yard of UPNG. There was an boat engineer and contracted repair of a private outboard motor. A photograph is an engineer's son (Tahira).

# Photo Library, June 2015



Photo 1: Kickoff meeting with Koiari LL. Mr. Alfred Kennedy making a explanation (Koiari LLG).



Photo 3: Sogeri Local Market construction site (Koiari LLG).



Photo 5: Site visit to Varirata National Park (VNP).



Photo 2: Mr. Mochizuki, observing the situation at the first visit to Sogeri Local Market (Koiari LLG).



Photo 4: Sogeri Market selling locally produced agricultural products such as bananas and peanuts (Koiari LLG).



Photo 6: Welcome party for JICA Expert Team (CEPA).

# A-2 詳細 PO (最終バージョン)

|  | Plan: a        | ction      | Plar      | n/Actual:    | work ite   | m          |           |            |            |      |  |    |     |          |      |                  |   |  |   |                          |   | Ver. 3                 |
|--|----------------|------------|-----------|--------------|------------|------------|-----------|------------|------------|------|--|----|-----|----------|------|------------------|---|--|---|--------------------------|---|------------------------|
|  | Plan           | 2015       |           |              | 2016       |            |           | 2017       |            | 2018 |  | 2( | 110 |          | 2020 | 1                | _ |  | Plan Major  |                          | Monitoring (as of December 12, 2019)  |                        |
|  | Actual II      |            |           |              | 6 7 8 9    |            |           | 6 7 8 9    |            | I    |  |    |     | 10 11 12 |      | <b>II</b> 8 9 10 |   | Milestones   | Major<br>Products   | Deadlines                | Achievements  | Issues & Countermeasur |
| tt 1: National-level governance and management arrange   |                | tected Are | ea Networ | k (i.e., PP. | A Action P | lan, Natio | nal Conse | rvation Co | ouncil (NO |      |  |    |     |          |      |                  |   |  |   |                          |   |                        |
| Provide support for establishing the NCC.  1.1 Review existing legal framework, identify approach, and support | Actual<br>Plan |            |           |              |            |            | 1 1 1 1   |            |            |      |  |    |     |          |      |                  |   |  |   |                          |   |                        |
| ne process of CEPA for establishing NCC.   | Actual         |            |           |              |            |            | ×         |            |            |      |  |    |     |          |      |                  |   |  |   |                          |   |                        |
| Review existing legislations with regard to establishment of NCC   |                |            |           |              |            |            |           |            |            |      |  |    |     |          |      |                  | e | - Outline of hearing about EC (Environmental Council)<br>establishment<br>-Procedure for partial amendment of CAA  |   | July, 2015<br>July, 2015 | - Internal meeting with Ms. Susan of EIA wing regards to EC establishment procedure done. (July 8, 2015) - Internal meeting with UNDP (Ms. Emily), Mr. James (CEPA) regards to demarcation of PPA Action Plan and NCC establishment done. (July 10, 2015) - Internal discussion with C/P (Mr. Fredrick) done. (July 15, 16, 2015) - Conducted CEPA workshop, reviewed the draft CAA amendment, identified problems. (July 17, 2015) - Conducted some internal meetings with the Chief Legal Officer of CEPA and C/Ps (Mr. Maino, Mr. Fredrick) regards to NCC establishment. (July 22, 2015)  |                        |
| identification of approach to establishment of NCC and consensus<br>illding in concerned institution (CEPA)    |                |            |           |              |            |            |           |            |            |      |  |    |     |          |      |                  | E | - Report on Necessity of establishment of Working<br>Committee for Protected Area Deliberation under the<br>Environmental Council, and Request for CEPA<br>counterparts of the Project regards to establishment of<br>the Working Committee of the working committee |   | August, 2015             | - Conducted meeting with CEPA Managing Director, Chief legal officer and C/Ps (Mr. Maino, Mr. Fredrick), confirmed establishment of Working Committee (WC) under existing EC framework as a substitute of NCC. (3) (July 24,2015) - Confirmed procedure of 1) finalization of the draft by-law of WG under EC, ii) procedure & schedule of consensus building in CEPA with C/Ps. Hand over to C/Ps necessary actions to do. (July 31, 2015) - Internal meeting with C/Ps (Mr. Fredrick, Ms. Katrina) about progress of CEPA consensus building regards to NCC establishment under EC (no progress though during Japanese absence) (Sep. 21 and Oct 5.) - CEPA workshop (1), discussion of NCC establishment to develop consensus building in CEPA.  i) A consultant under CEPA stared objection to NCC establishment under EC. ii) NCC establishment plan based on CAA was recommended again.  (4) (October 7, 2015) - Internal meeting with the chief legal officer of CEPA, (Oct. 9 and 13.) - CEPA workshop (2), 2 options of NCC establishment: 1) NCC under EC, 2) NCC establishment based on current CAA without amendment.  (5) (Oct. 14, 2015)  |                        |
| Final institutional decision making of establishment of NCC in CEPA  |                |            |           |              |            |            |           |            |            |      |  |    |     |          |      |                  |   | - draft-request-letter-Passingan(regard-NCC)   | -"SEEKING LEGAL ASSISTANCE IN THE ESTABLISHMENT OF THE NATIONAL CONSERVATION COUNCIL (NCC) (Letter to the Chief Legal officer, CEPA)  - JICA & UNDP MEETING (held today) ON PA BILL INPUTS - MEETING RESOLUTION (CEPA Letter, Tuesday 7th February, 2017)  - "Implementing the project for biodiversity conservation through implementation of the PNG policy on Protected Areas" (CEPA letter, 9th February, 2017) | 2017 Feb                 | Internal meeting with the Chief Legal Officer of CEPA conducted. (Oct. 19, 2015)  - Based on the internal consensus, Ms. Kay Kalim, the Director of CEPA, sent an official request letter to the Chief Legal Officer of CEPA to seek his official opinion on how to establish NCC.(6 Nov 2015)  - Internal meeting with C/Ps (Mr. Fredrick, Ms. Katrina) regards to reply from the chief legal officer was conducted. (Dec. 9, 2015)  - Internal follow-up meeting with Mr. Passingan(Chief Legal Officer) was conducted. (Dec. 10, 2015)  - Internal follow-up meeting with Mr. Passingan(Chief Legal Officer) and C/Ps (Mr. Fredrick and Ms. Rose: member of WG Output-1). It was confirmed that Mr. Passingan(Chief Legal Officer) would prepare his comments replying to the official letter from Ms. Kay, (Dec. 11, 2015).  - Several internal meetings with Mr. Passingan and C/Ps were held (Dec. 14-18, 2015), but no comment paper was prepared by Mr. Passingan.  - An idea was discussed: to hold one meeting with key persons (Ms. Kay, Mr. Maino, Mr. Passingan) and c/ps (Mr. Fredrick, Ms. Katrina) with MD and decide direction as a result of the meeting (Jan. 29, 2016)  - A breakthrough idea was proposed by Ms. Kay: to establish a tentative NCC as a basis of PPA. The tentative NCC will have different definition from the NCC described in CAA. The idea shall be taken with assumption of a new integrated legislation will be prepared by GEF-UNDP project. Right after the new legislation, the tentative NCC shall be merged to the integrated legislation. (Jan. 29, 2016)  |                        |
| upport for finalization of Protected Area Bill with emphasis on the<br>It related to NCC.                      |                |            |           |              |            |            |           |            |            |      |  |    |     |          |      |                  | 0 | Comment on the Draft Protected Area Bill   |   |                          | - Protected Area Bill (draft) and Policy Implementation Plan were being prepared by UNDP/GEF-4 and the CEPA_IICA Team participated the consultation workshop held (28 July, 2016) CEPA_IICA Leam members reviewed draft documents, and conducted internal meeting with CPS (Mr. Fredrick, Ms. Katrina and Mr. Passingan) to prepare comments on it, especially for the parts concerning NCC and Protected Area Round Table(4 Aug 2016) According to the draft policy implementation plan, the target month for the approval of the draft Bill by NEC were planned to be on May 2017. JICA experts and CEPA_CPs e-defined NCC establishment schedule, and decided to start concerning activities on October to December of 2016 CEPA_JICA team (Ms. Katrina, Imai) and CEPA Chief Legal Officer (Mr. Passingan) collected the revised draft PA Bill (September, 2016 version), reviewed it again. Unfortunately, almost no revision were found based on the comments above. Therefore, the team prepared comments again and sent it as official telter from the Project Chief Adviser Also, the team got short discussion with Mr. Bruton (person in charge this issue in UNDP) and agreed to have a meeting with the Project Leam on January 2017 In order to accelerate the process of institutional decision making, CEPA_JICA Project Team had numerous dialogue with people concerned. In February 2017, CEPA-Officially decided to pend related activities in the establishment of NCC until after the Protected Area Bill will be gazetted, and legal basis for the activities become obvious. (Feb 2017). CEPA_JICA Project Team respects the decision, and will await for CEPA's institutional reaction with the support of UNDP-GEF. |                        |
| 1.2 Clarify legal status, role and power of the NCC, and assist for  | Plan           |            |           |              |            |            |           |            |            |      |  |    |     |          |      |                  |   |  |   |                          |   |                        |
| islative changes and amendments concerning the establishment of NCC.   | Actual         |            |           |              |            |            |           |            |            |      |  |    |     |          |      |                  |   |  |   |                          |   |                        |
| larify legal status, role and power of new legislations for protected as in accordance with PPA.               |                |            |           |              |            |            |           |            |            |      |  |    |     |          |      |                  |   |  |   |                          | - Several internal meeting with CEPA C/Ps were conducted (Ms. Kay, Mr. Maino, Ms. Katrina, Mr. Fredrick), (June 29, 30, 2015) - Overall strategy to establish NCC by applying CAA amendment was decided. (June 26, 2015)  |                        |

|  | Actual II      |          | IV I      | II      | 2016  | IV         | I       | 2017<br>II II | ı w     | I        | Z018    |        | N I       |         | <b>II</b> | IV I      | I I       | 2020    | V        | Milestones  | Major<br>Products  | Deadlines                        | Achievements Issues & Count  |
|--|----------------|----------|-----------|---------|-------|------------|---------|---------------|---------|----------|---------|--------|-----------|---------|-----------|-----------|-----------|---------|----------|---|--|----------------------------------|--|
|  | 4 5 6          | 7 8 9 10 | 11 12 1 2 | 2 3 4 5 | 6 7 8 | 9 10 11 12 | 1 2 3 4 | 5 6 7 8       | 9 10 11 | 12 1 2 3 | 4 5 6 7 | 8 9 10 | 11 12 1 2 | 3 4 5 6 | 7 8 9 10  | 11 12 1 2 | 2 3 4 5 6 | 6 7 8 9 | 10 11 12 |   |  |                                  |  |
| Assist for legislative changes and entire amendments concerning the stablishment of the NCC.   |                |          |           |         |       |            |         |               |         |          |         |        |           |         |           |           |           |         |          | - Comparison between Section 4. to 11. in<br>Conservation Area Act (CAA) and Section 17 to 28 of<br>Environment Act 2000<br>- Draft-0 of Partial Amendment of the Conservation<br>Area Act 1798<br>- Preparing draft paper for CEPA to submit NEC | -Policy and legal review on PA Bill<br>-Draft paper to submit to NEC                                 | 2019 Mar                         | Internal discussion with C/Ps was conducted (Ms. Kay, Mr. Fredrick). (July 9, 2015) Review CAA in comparison with EC, drafted CAA amendment (July 10, 2015) Prepared draft by-law of for WC (July 27, 2015) Various discussions done with various stakeholders regarding NCC characteristics, such as role, responsibilities, members, frequency of meetings and so on (Dec 2018) Based on the results of discussions, drafted NCC bylaw and circulated internally within CEPA (Dec 2018) Policy and legal review on PA Bill: to facilitate NCC, NPART and RPART establishment was presented and discussed with CEPA, PR Regulation has been analyzed since the mid-Jan 2019, Idea of interim NCC to be established was proposed to CEPA/MD, while waiting for PA Bill to be endorsed officially, Uan 2019 Portafted of National Executive Council (NEC) document on the Endorsement of Bootless Bay as an Interim Protected Zone (National Marine Sanctuary) and the establishment of the Interim National Conservation Council (NCC) (Mar 2019)                                      |
| 1.3 Clarify legal status, role and power of NPART and RPART which<br>upport to functionalize NCC, and assist for legislative changes and<br>mendments concern. | Plan Actual    |          |           |         |       |            |         |               |         |          |         |        |           |         |           |           |           |         |          |   |  |                                  |  |
| Review existing legal framework, identify approach and process, and support the process for establishing NPART and RPART.                                      |                |          |           |         |       |            |         |               |         |          |         |        |           |         |           |           |           |         |          | -Preparing draft paper for CEPA to submit NEC<br>-Preparing draft ToR of NPART and RPART  | -Draft paper to submit to NEC<br>-Draft ToR of NPART and RPART                                       | 2019 Mar                         | -Drafting of National Executive Council (NEC) document on NPART and RPART. (Mar 2019) -Drafted Terms of Reference for NAPRT and RPART(Mar 2019)  |
| Identify and propose individuals to be NPART (Interim-NCC) nembers, and contact and confirm their participation.   |                |          |           |         |       |            |         |               |         |          |         |        |           |         |           |           |           |         |          | - Preparing draft list of candidate<br>-Preparing draft brief paper to MD   | -Draft list of candidates<br>-Draft brief paper to MD  | 2019 Mar<br>2019 Nov             | - Interviewed concerned people, analyzed situation and drafted list of candidates for NPART (Mar 2019) Prepared brief paper to MD for establishing NPART along with the list of candidates (Oct 2019) Based on the comments, revised the list of candidates (Nov 2019)   |
| Call for expression of interest through newspapers and other medium<br>b be NPART (Interim-NCC) members.   |                |          |           |         |       |            |         |               |         |          |         |        |           |         |           |           |           |         |          | -Preparing draft brief paper to MD<br>-Preparing draft call for expression  | -Draft brief paper to MD<br>-Draft call for expression   | 2019 Nov                         | Prepared brief paper to MD for establishing NPART along with the list of candidates (Oct 2019)     Based on the comments, revised the list of candidates (Nov 2019)     Prepared draft call for expression of interests to be NPART member (Nov 2019)  |
| Appointment NPART (Interim-NCC) members, officialise it.   |                |          |           |         |       |            |         |               |         |          |         |        |           |         |           |           |           |         |          | -Preparing draft nomination letter to be sent from CEP. to candidate<br>-Receiving the Acceptance Letter from candidate of<br>NPART members   | A -Draft nomination letter<br>-Acceptance letter signed by NPART<br>members                          | 2019 Dec<br>2020 Jan             | - Prepared draft nomination letter for NPART member (Dec,2019) - Officialy made request, and received acceptance from candidate of NPART members.( Jan 2020) (go to 1.2 described below)   |
| 1.1.4 Strengthen institutional arrangement for National Park management (contribute to Output 2)   | Plan<br>Actual |          |           |         |       |            |         |               |         |          |         |        |           |         |           |           |           |         |          |   |  |                                  |  |
| Support for drafting the official agreement on technical cooperation on VNP management (bet. CEPA-JICA)  |                |          |           |         |       |            |         |               |         |          |         |        |           |         |           |           |           |         |          | -Preparing draft MOU  | Draft MOU  | 2019 Mar                         | -Drafted & finalized Memorandum of Understanding between JICA & CEPA on Information Complex Center, Varirata National Park. (Mar 2019)   |
| Support for finalizing and concluding the official agreement (MOU bet CEPA-JICA)   |                |          |           |         |       |            |         |               |         |          |         |        |           |         |           |           |           |         |          | -Finalizing MOU   | Finalized and signed MOU   | 2019 Mar                         | -Signed/concluded MOU (Mar 2019)   |
| -Clarify rule, responsibility and function for Varirata National Park<br>Management Body.  |                |          |           |         |       |            |         |               |         |          |         |        |           |         |           |           |           |         |          | -Preparing Draft ToR of VNP management committee  | ToR of VNP management committee  | 2019 Aug                         | -Drafted Terms of Reference for Varirata NP management committee (Mar 2019) -Finalized Terms of Reference for Varirata NP management committee (Jun 2019) -Terms of Reference for VNP Management Committee endorsed in First Meeting of the Management Committee (Aug 2019)  |
| Identify and propose individuals to be members, and officially establish Varirata National Park Management Committee   |                |          |           |         |       |            |         |               |         |          |         |        |           |         |           |           |           |         |          | -Preparing draft Memo on establishment notice for<br>VNP Management Committee & Nominations for<br>Membership   | -Official Memo on Establishment noli<br>for VNP Management Committee &<br>Nominations for Membership |                                  | -Supported draft two briefing note from Manager (Mr. Benside) to Director (Ms.Kay), Directors to Managing Director regarding the establishment of VNP Management Committee. (Jun 2019) -Supported draft "Establishment Notice for VNP Management Committee and Nomination for the members' (Jun 2019) -Supported to draft and deliver nomination letter to respective nominees. (Jun 2019) -Chairperson and Vice-chairperson were elected in Second meeting of the Management Committee (Nov 2019).  |
| 1.1.5 Strengthen institutional arrangement to establish and manage a new marine PA (contribute to Output 3)  | Plan           |          |           |         |       |            |         |               |         |          |         |        |           |         |           |           |           |         |          |   |  |                                  |  |
| -Support for developing the draft official agreement among stakeholders for marine PA  | , ructural     |          |           |         |       |            |         |               |         |          |         |        |           |         |           |           |           |         |          | -Preparing draf MOU<br>-Preparing draft Conservation Easement<br>-Preparing draft amendment of existing MOU   | -Draft MOU<br>-Draft Conservation Easements<br>-Draft Amendment of MOU                               | 2019 Mar<br>2019 Mar<br>2019 Oct | - Drafted and finalization of Memorandum of Understanding between CEPA & Central Provincial Government on establishment of marine protected area in Mirigeda.(Mar 2019) - Drafted of Conservation Easement between CEPA & Tahira Farm. (Mar 2019) - Drafted of Conservation Easement between CEPA & Central Papua Conference of Seventh-Day Adventist. (Mar 2019) - Drafted of Conservation Easement between CEPA & UPNG (Mar 2019) - Incorporation of comments from State Solicitor on Conservation Easements (Oct 2019) - Drafted Annendment of MOU on facility management between CEPA and UPNG (Oct 2019) - Received clearance from State Solicitor to progress conservation easement with partner organizations. (June 10, 2020) - Formalized Conservation Easement between with CPC in Aug. 2020. Of tithe three landowners who supported, the CPC was the largest landowner and, therefore, compiled the formalization of the most important easement. After consultation with CEPA, the coordination with the other two will be taken over by the CEPA marine team (Nov 2020). |
| -Support for finalizing and concluding the official agreement  |                |          |           |         |       |            |         |               |         |          |         |        |           |         |           |           |           |         |          | -Finalizing and signing of MOU<br>-Finalizing MOU Amendment   | -Finalized and signed MOU<br>-Finalized and signed Amendment of<br>MOU                               | 2019 Aug<br>2019 Jan             | -Concluded MoU between CEPA and Central Provincial Government (Aug 2019)<br>-Supported for finalize Amendment of MOU coordinating CEPA and UPNG (Dec 2019)   |
|  |                |          |           |         |       |            |         |               |         |          |         |        |           |         |           |           |           |         |          |   |  |                                  | -Drafted Policy Submission for National Executive Council (NEC) submission on Bootless Bay National Marine Sanctuary (May 2019)  |

|  | Plan           |                 | 2015 |   | 2016             |   |  | 2017    |         | 2018 |  | 2019           |  |                     | 2020 |           | Milestones  | Major   | Deadlines              | Achievements Issues & Countermeasures  |
|--|----------------|-----------------|------|---|------------------|---|--|---------|---------|------|--|----------------|--|---------------------|------|-----------|---|---|------------------------|--|
|  |                | <b>II</b> 5 6 7 |      |   | <b>I</b> 5 6 7 8 |   |  | 6 7 8 9 | 1 2 3 4 |      |  | <b>I</b> 5 6 7 |  | <b>I II</b> 2 3 4 5 |      |           | · · · · · · · · · · · · · · · · · · ·   | Products  | Doddillos              | 133063 à GUIREITICASITES   |
| -Support for endorsement of Bootless Bay as a marine protected area (National Marine Sanctuary)  |                |                 |      |   |                  |   |  |         |         |      |  |                |  |                     |      |           | nalizing 1nformation paper' to submit to NEC<br>nalizing 'policy submission' paper to submit to NEC | -Finalized and submitted Information<br>Paper to NEC<br>-Finalized and submitted Policy Paper to<br>NEC | 2020 Feb<br>o 2020 Mar | Submitted the proposal for the BBNMS declaration to the State Solicitors' Office for their legal clearance (Jun 2019)  - Drafted Information Paper to MD and Minister for circulation in NEC (Sept 2019)  - Incorporation of comments from State Solicitor on the NEC Policy Submission. (Oct 2019)  - Information Paper was signed by Minister (Nov 2019)  - Prepared copy of Information Paper for NEC (Dec 2019)  - Obtained letter for legal clearance for the NEC submission for BBNMS declaration from the State Solicitor office. Made official response to the office (Dec 2019)  - Project member visited the State Solicitor Office to darify the contents of their comment. (Jan. 23, 2020)  - CEPA Director in charge (Ms. Kay) confirmed the documents. NEC Policy submission is ready for Minister's signing. (May 28, 2020)  - All documents were delivered to the Minister through MD for signing (May 29, 2020)  - MD directed the NEC submission to CEPA Director in charge (Mr. Makino). (June 17, 2020)  - CEPA Director in charge (Ms. Yownone on behalf of Ms. Kay) prosposal to request the Minister to declare the BBNMS as an Interim Protection Zone based on Marilime Zone Act, 2015 (June 19, 2020)  - Information paper for the NEC submission was changed (June 26, 2020)  - Obtained again a final approval from MD, and the proposal was to be presented to the Minister (October 2020).  - Confirmed the formal procedure for applying for a new protected area with CEPA, NFA, the state government, etc., and have continued to make adjustments to submit the proposal prepared on that basis. However, due to the political reform in November 2020, the Ecane necessary to reset the schedule of the cabinet meeting to submit the proposal, and it became uncertain that the project would be completed by the end of the year 2020. As a result of discussions with CEPA, this activity will be taken over by the CEPA marrine team and will be implemented after the project will be completed. |
| - Identify and propose individuals to be Protected Area Working Group (PAWG).  | 0              |                 |      |   |                  |   |  |         |         |      |  |                |  |                     |      | -Pr       | reparing draft ToR of PAWG  | Draft ToR of PAWG   | 2019 Sep               | -Drafted Terms of Reference for PAWG (Sep 2019) -Approved ToR for PAWG by PAWG members (Nov 2019)  |
| <ul> <li>- Assist secretariat /CEPA for PAWG meeting, including preparation<br/>and sending invitation letter, preparation of agenda and presentation<br/>materials, booking venue, etc</li> </ul>                     |                |                 |      |   |                  |   |  |         |         |      |  |                |  |                     |      | - Pi      | reparing draft program and presentation materials   | Draft program   | 2019 Dec               | - Finalized protected area proposal (2019 Nov)   |
| - Identify and propose individuals to be Protected Area Management Committee (PAMC).   |                |                 |      |   |                  |   |  |         |         |      |  |                |  |                     |      | -Pr       | reparing draft ToR of PAMC  | Draft ToR of PAMC   | 2019 Dec               | - ToR of Bootless Bay National Marine Sanctuary Working Group(BBNMS-PAWG) was drafted (May 2, 2019) - Finalised draft Terms of Reference for BBNMS-PAMC (2019 Sep)   |
| - Assist secretariat /CEPA for PAMC meeting, including preparation and sending invitation letter, preparation of agenda and presentation materials, booking venue, etc   |                |                 |      |   |                  |   |  |         |         |      |  |                |  |                     |      | - Pi      | reparing draft program and presentation materials   | Draft program   | 2020 Jan               | - BBNMS PAAWG member list was endorsed by Ms. Kay and Mr. Bernard, CEPA (June 30, 2019) - BBNMS working group ToR was shared to BBMCI member in 8th BBMCI meeting (Sep. 2, 2019) - BBNMS working group ToR was approved by working group member (Nov. 14, 2019) - Report on establishing WG, public consultation and approval of BBNMS proposal was prepared (Nov. 18, 2019)   |
| - Assist to hold the preliminary PAMC meeting  |                |                 |      |   |                  |   |  |         |         |      |  |                |  |                     |      | -Pr       | reparing draft Minutes of Meeting   | - Finalized Minutes of Meeting  | 2020 Mar               | - Kick-off meeting of BBNMS WG meeting was held. (Feb. 5, 2020)  |
| 1.2 Provide support for operating the NCC.   | Plan<br>Actual |                 |      |   |                  |   |  |         |         |      |  |                |  |                     |      |           |   |   |                        |  |
| 1.2.1 Prepare and hold the 1st meeting, decide necessary internal procedures for the NPART (Interim-NCC).     - Discuss on agenda of the NPART (Interim-NCC) meeting with C/P ocePA.                                   |                |                 |      |   |                  |   |  |         |         |      |  |                |  |                     |      | Р         | reparing draft agenda of 1st meeting of NPART   | Draft agenda  | 2019 Dec               | - Prepared draft program agenda for the 1st meeting of NPART (Dec, 2019)   |
| <ul> <li>Assist secretariat /CEPA for the1st NPART (Interim-NCC) meeting,<br/>including preparation and sending invitation letter, preparation of<br/>agenda and presentation materials, booking venue, etc</li> </ul> | 0.000.000      |                 |      |   |                  |   |  |         |         |      |  |                |  |                     |      | - Pi      | reparing draft invitation letter  | Draft invitation letter   | 2019 Dec               | - Prepared draft invitation letter for the 1st meeting of NPART (Dec,2019)   |
| - Assist to hold the 1st NPART (Interim-NCC) meeting   |                |                 |      |   |                  |   |  |         |         |      |  |                |  |                     |      | -Pr       | reparing draft Minutes of Meeting   | - Finalized Minutes of meeting  | 2020 Mar               | - Invitation letter was finalized and sent to the participants of Interim NPART Preliminary Meeting (1st NPART meeting), (Jan 2020) - Interim NPART Preliminary Meeting (1st NPART meeting) was conducted on 7 Feb 2020 with 6 participants to kick off NPART activities, (Feb 2020) - Prepared minutes of the Interim NPART Preliminary Meeting which was conducted on 7 Feb 2020. (Mar 2020) - Draft TOR of NPART was revised based on the feedback and comments made at the 1st meeting. (Mar 2020)   |
| <ol> <li>1.2.2 Coordinate and hold regular meetings of the NPART (Interim-<br/>NCC).</li> </ol>  | Plan           |                 |      |   |                  | H |  |         |         |      |  |                |  |                     |      |           |   |   |                        |  |
| Prepare regular meetings of NPART (Interim-NCC) including preparation and sending invitation letter, preparation of agenda and presentation materials, booking venue, etc.   | - Constant     |                 |      |   |                  |   |  |         |         |      |  |                |  |                     |      | P<br>- Pi | Preparing draft agenda of 2nd meeting of NPART<br>treparing draft invitation letter                 | Draft agenda of 2nd NPART meeting   | 2020 Mar               | - Prepared draft program agenda for the 2nd meeting of NPART (Mar 2020)  |
| - Assist to hold the 2nd NPART (Interim-NCC) meeting.  |                |                 |      |   |                  |   |  |         |         |      |  |                |  |                     |      | <br>-Pr   | reparing draft Minutes of Meeting   | - Finalized Minutes of meeting  | 2020 Mar               | Have coordinated and prepared the second NPART meeting, however after consultation with CEPA, in view of COVID-19 situation the NPART meeting will be condcuted by the CEPA marine team after project completion(Nov 2020).  |
| 1.2.3 Promote concept of MAB program as a means of landscape-<br>level management.   | Plan           |                 |      | Ш |                  |   |  |         |         |      |  |                |  |                     |      |           |   |   |                        |  |
| - Prepare preliminary version of MAB application.  |                |                 |      |   |                  |   |  |         |         |      |  |                |  |                     |      |           | eparing preliminary version of MAB application  | Preliminary version of MAB application  | 2019 Dec               | - Prepared draft MAB application (Dec 2019) - Revised draft MAB application (Jan 2020) - Finalised MAB application (Mar 2020)  |
| - Propose MAB program as a mean of landscape-level management t be discussed by the NPART.   | o              |                 |      |   |                  |   |  |         |         |      |  |                |  |                     |      |           |   | NPART meeting minutes   | 2020 March             |  |

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

|   |          |     |         |     |   |                 |    |   |         |      |     |     |                 |    |          |                    |    |           |  | Plan  |                         | Monitoring (as of 12 December, 2020)  |  |
|---|----------|-----|---------|-----|---|-----------------|----|---|---------|------|-----|-----|-----------------|----|----------|--------------------|----|-----------|--|---|-------------------------|---|--|
| Pla   | ual III  | 015 | 2       | 016 | - | 201             | 17 | - | I       | 2018 |     |     | 20<br><b>II</b> | 19 |          | <br>202            | .0 | -         | Milestones   | Major<br>Products   | Deadlines               | Achievements  | Issues & Countermeasures   |
|   |          |     | 3 4 5 6 |     |   | <b>II</b> 4 5 6 |    |   | 1 2 3 4 |      |     |     |                 |    |          | <b>II</b><br>4 5 6 |    |           |  | Products  |                         |   |  |
| It 2: The Varirata National Park (VNP) is enhanced as a terres<br>Conduct management assessment, and prepare "Managemen Pia                                       |          |     |         |     |   |                 |    | 1 |         |      | . 1 | 1   | 1 1             | 1  |          | <br>1              |    |           |  |   |                         |   |  |
| rovement Action Plan" of VNP.   | ual      |     |         |     |   |                 |    |   |         |      |     |     |                 |    |          |                    |    |           | =  |   |                         |   |  |
| .1.1 Conduct METT and other assessment, prepare "Management provement Action Plan" of VNP(without detailed plan to be attached)  Act                              | n        |     | 111     |     |   |                 |    | - |         |      |     | - 1 |                 |    |          |                    |    | -11       |  |   |                         |   |  |
| iprovement Action Plant of VNP (without detailed planto be attached)  | uai      |     |         |     |   |                 |    |   |         |      |     |     |                 |    |          |                    |    |           |  |   |                         |   |  |
| Clarify the issue of VNP and prepare the target and things to do by sing METT(Management Effectiveness Tracking Tool by WWF and I/B).                             |          |     |         |     |   |                 |    |   |         |      |     |     |                 |    |          |                    |    |           |  | METT sheet (initial assessment)   | 2015 Sep                | Draft METT sheet as a basic diagnosis on the current status of VNP was prepared. (Sep 2015)   | In order to finalize the METT sher<br>further information such as budget<br>VNP management is necessary.   |
|   |          |     |         |     |   |                 |    |   |         |      |     |     |                 |    |          |                    |    |           |  |   |                         |   |  |
| Clarify and understand current status of VNP, by conducting field urveys in order to grasp the conditions such as land use, vegetation, una and flora around VNP. |          |     |         |     |   |                 |    |   |         |      |     |     |                 |    |          |                    |    |           | Aerial Video by drone     Ortho mosaic GIS data and 3D model of main place of VNP.   | Introductory short video  | 2015 Sep                | prepared. (Sep 2015)  | - Landownership and boundary<br>demarcation of VNP were not ve<br>and thus proper social mapping,<br>mapping of VNP is required.<br>- Further survey around the sirin<br>and under the cliff should be con   |
| repare "Management Improvement Action Plan" of VNP(without tailed plan to be attached).   |          |     |         |     |   |                 |    |   |         |      |     |     |                 |    |          |                    |    |           |  | Management Improvement Assessm<br>and Action Plan of VNP  | 2016 Feb                | - "Management Improvement Assessment and Action Plan" of VNP(without detailed plan to be attached) was prepared(Feb 2016).  |  |
| .1.2 Prepare detailed plans to be attached to the "Management   | n        |     |         |     |   |                 |    |   |         |      |     |     |                 |    |          |                    |    | -11       | _  |   |                         |   |  |
| provement Action Plan* of VNP.  Act  Prepare a plan for biodiversity survey and monitoring of wildlife and ind use.  Act  | ual      |     |         |     |   |                 |    |   |         |      |     |     |                 |    |          |                    |    |           | -Camera trap layout  | - Camera Trap Positions<br>-Manual for input Excel Datasheet of<br>Camera<br>- Plan of land use and vegetation<br>monitoring by drone | f<br>2015 Sep           | The initial monitoring of animals, bird, reptiles, etc. is planed(Aug 2015). Camera distribution plan, duration of monitoring, methodology were prepared(Sep 2015). Drone monitoring plan was prepared(Sep 2015).   |  |
| Prepare a plan for improving financial management.  |          |     |         |     |   |                 |    |   |         |      |     |     |                 |    |          |                    |    |           | - Analysis of other parks' entrance fees - Analysis of current visitor number, prediction of future number of visitors, prediction of revenue and expenditure based on the new entrance and expected number of visitors - Proposal of new entrance fee | Improvement of VNP Revenue  | 2017 Mar                | Draft New Entrance fee was prepared (Sep 2016).     Reports (1: Analysis of other parks' entrance fees, 2: Analysis of current visitor number, prediction of future number of visitors, prediction of revenue and expenditure based on the new entrance and expected number of visitors) which justify the necessity of the new entrance (se, were prepared and submitted to the Director (Ms. Kay) of CEPA (Sep 2016).     All reports above were submitted and explained to MD, and MD agreed them through a meeting among MD, Director of CEPA and JET expert (2017 Jan).     Financial management improve plan was prepared (2016 Oct). |  |
| Prepare a park regulation.  |          |     |         |     |   |                 |    |   |         |      |     |     |                 |    |          |                    |    |           | - Identification of appropriate regulation in VNP  | - Design of regulation signboard in V   | NP 2016 Sep             | Appropriate regulation was identified through discussion with CEPA CPs and JICA expert team(Jan 2016).      Design of regulation sign board was prepared based on the discussion above(Jan 2016).      Two signboards were installed (Nov 2016).  | - Procurement and installation of signboard is necessary.  |
| repare a plan for security (enforcement of park regulation).  |          |     |         |     |   |                 |    |   |         |      |     |     |                 |    |          |                    |    |           | - The security concerns memo (2016 Aug)<br>- Plan for security improvement (2016 Sep)<br>- Trial Patrol plan (1st phase) (2016 Nov)  | - Plan for security improvement in VI   | NP 2016 Oct             | Security Concerns at VNP were discussed and identified through discussion with CEPA CPs and JICA experts(Aug 2016).     The security concerns memo was prepared based on the results of discussion and identification(Oct 2016).     Plan for security improvement in VNP was prepared. (2016 Oct).   |  |
| Prepare plan and institutional arrangement for promoting bird alching in VNP.   |          |     |         |     |   |                 |    |   |         |      |     |     |                 |    |          |                    |    |           | -MOU of Bird watching project (2016 Feb)   | -MOU of Bird watching project<br>-Reconnaissance Assessment of<br>Potential Bird Watching sites                                       | 2016 Feb                | Meeting was held with PAU (Dr. Bito) and TPA staff (Mr. Simon & Mr. Nathan) on November 11, 2015.     Meeting was held with TPA staff (Mr. Nathan) on November 23, 2015.     The draft MOU for bird watching project was made by consultation with TPA and PAU.     The signing ceremony of the MOU for the bird watching project was held and the MoU was signed on 19th February, 2016.   |  |
| Conduct works (i.e. revenue improvement, monitoring, security, etc.) to Picture VNP management.   | n und    |     |         |     |   |                 |    |   |         |      |     |     |                 |    |          |                    |    |           |  |   |                         |   |  |
| nformation collection and for management with appropriate   |          |     |         |     |   |                 |    |   |         |      |     |     |                 |    | <u> </u> | <u>t</u> 🗎         | 11 |           |  |   |                         |   |  |
| .1 Conduct monitoring of land use and vegetation by drone.  | n<br>ual |     |         |     |   |                 |    |   |         |      |     |     |                 |    |          |                    |    |           |  |   |                         |   |  |
| ndertake monitoring of land use and vegetation by drone   | n        |     |         |     |   |                 |    |   |         |      |     |     |                 |    |          |                    |    |           | - Aerial Photo and Video   | -Aerial Photo and Video<br>-List of survey  | 2017 March              | - Aerial video and photos were taken by drone(Sep 2015, Jan 2016, Apr 2017).  | Regular monitoring should be every half year.      Maintenance should be con   |
| .2 Undertake monitoring of mammal and bird by using camera trap.  | ual      |     |         |     |   |                 |    |   |         |      |     |     |                 |    | 111      | 111                |    | $\pm \pm$ |  | 1   | 1                       |   |  |
| ndertake monitoring of mammal and bird by using camera trap<br>ase 1-general survey).   |          |     |         |     |   |                 |    |   |         |      |     |     |                 |    |          |                    |    |           | Mammal and bird photos by camera trap<br>Preliminary assessment of camera-trap monitoring of<br>VNP<br>List of mammal and bird   | - Monitoring format and manual<br>- List of mammal and bird<br>- Report of camera trap monitoring o<br>fauna                          | <sub>f</sub> 2017 March | (Sep 2015)  - Technical transfer to C/P of CEPA for data collection, analysis and monitoring of camera trap was conducted. (Sep 2015)  - Monitoring database and data input manual was prepared Date collection continues as the manual. (Jan 2016)  - General fauna of mammals was grasped(Oct 2016).  - First proposed was to grasp mammal fauna, but ground birds such as Cassowary,   | - Routine monitoring (data do<br>maintenance) should be conti<br>month.<br>- After trial, half of camera-traj<br>be continued and the other tre<br>be set for thematic surveys.<br>- C/P and local staff members<br>continue the monitoring of car<br>based on the manual and data |

|  | Plan<br>Actual | 2015  | IV      |       |       | 6<br><b>II</b> 1 |        |         | 2017    |          |       | 20°   |       |          |       |       |       |          |       |       |       | IV      |  | Major<br>Products   | Deadlines     | Achievements Issu   | ssues & Countermeasures   |
|--|----------------|-------|---------|-------|-------|------------------|--------|---------|---------|----------|-------|-------|-------|----------|-------|-------|-------|----------|-------|-------|-------|---------|--|---|---------------|---|---|
| -Undertake camera trap monitoring on new layout (phase 2)  | 6 7            | 8 9 1 | 0 11 12 | 1 2 3 | 4 5 6 | 7 8 9 10         | 1 12 1 | 2 3 4 5 | 6 7 8 9 | 10.11.12 | 1 2 3 | 4 5 6 | 7 8 9 | 10 11 12 | 1 2 3 | 4 5 6 | 7 8 9 | 10:11:12 | 1 2 3 | 4 5 6 | 7 8   | 9 10.11 | New camera-traps layout in VNP   | New Camera-Iraps layout map     Report of camera trap monitoring of<br>fauna     Camera Trap Survey Plan at the<br>Progress Stage | f<br>2016 Oct | - Types of additional cameras have been selected. 2 cameras were already purchased, and 3 cameras were ordered. (Sep. 2018)   | e continued.  e year monitoring, the result of itoring should be analyzed.  sperts will be asked to carry a   |
| 2.2.3 Implement the plan for improving financial management.   | Plan<br>Actual |       |         |       |       |                  |        |         |         |          |       |       |       |          |       |       |       |          |       |       |       |         |  |   |               |   |   |
| - Undertake monitoring of visitor and vehicle number by using camera trap.   |                |       |         |       |       |                  |        |         |         |          |       |       |       |          |       |       |       |          |       |       |       |         | Report of camera trap monitoring of visitor, and vehi  | - Report of the visitor number of Self-<br>cle uidle track and Scarp track<br>- Report of the vehicle number at main<br>gate      | 2017 March    |   | were some missing data<br>of inappropriale data handling.   |
| - Undertake and promote the procedure for fee system renewal.  |                |       |         |       |       |                  |        |         |         |          |       |       |       |          |       |       |       |          |       |       |       |         | Letter from CEPA to Dep of Finance to request<br>clearance of fee revision in VNP     Letter from Dep of Finance to CEPA regards to VN<br>fee revision | Gazette new fee in VNP<br>P Guide map with new fee system   | 2018 Jun      | renewal were neig and consensus was built. (war 2011)  Letter regarding new fee system from MD to the Minister has been sent. (Sep. 2018)  TOR for the Park Manager and other staff has been drafted for further discussion. (Nov. 2018)  Gazettal instruments for the new entry fee system was approved and signed by the Office of Lenislative Council CFPA MD and the Minister. The last process is to send to   | finance will send agreement   |
| 2.2.4 Implement plan for security (enforcement of park regulation).  | Plan<br>Actual |       |         |       |       |                  |        |         |         |          |       |       |       |          |       |       |       |          |       |       |       |         |  |   |               |   |   |
| - Propose implementation methodology, and undertake trial.   |                |       |         |       |       |                  |        |         |         |          |       |       |       |          |       |       |       |          |       |       |       |         | - Schedule of trail patrol<br>- TOR for security guard   | - Wrap up report of 1st trial patrol at V   | VNP 2017 Mar  | The methodology of trail patrol was prepared (2016 Sep). Discussion with Koiari LLG and clan land owners was held (2016 Nov). Ist trial patrol was implemented from 2016 Dec to 2017 Jan. Wirap-up workshop was held. (2017 Feb) Problems & issues were identified at the workshop. Some improvements on the methodology of trail patrol were discussed with CEPA CPs and modified TOR was prepared. (2017 Feb) 2 Park rangers were nominated for security and other management activities, and their TOR has been prepared (Feb. 2019)   |   |
| 2.2.5 Implement bird watching project.   | Plan<br>Actual |       |         |       |       |                  |        |         |         |          |       |       |       |          |       |       |       |          |       |       |       |         |  |   |               |   |   |
| -Preparation of BW (Bird Watching) project signboard in VNP  |                |       |         |       |       |                  |        |         |         |          |       |       |       |          |       |       |       |          |       |       |       |         | -Signboard Design of BW project and Mega pod (Fel 2016)  | b,  | 2016 Dec      |   |   |
| -Technical Support to TPA and PAU activity   |                |       |         |       |       |                  |        |         |         |          |       |       |       |          |       |       |       |          |       |       |       |         | -Drawing of Bird shelter in PAU (12th July, 2017)<br>-Updated MOU (12th July, 2017)<br>-Suggestion to the Birdwatching Project at the progre<br>Stage  | -Bird Watching Shelter Design   | 2017 Dec      | - MOU was updated based on the latest situation(2017 March) Plan of Signboard and Bird shelter in PAU were prepared based on technical advise by JET(2017 July) Plan of TPA BW site was prepared based on technical advise by JET.(2017 July) - Bird watching shelter was installed using TPA fund, but with technical supervision by JET.(Aug 2017) - Suggestion to the Birdwatching Project was developed to summarize the achievements and suggest next steps to take. (Mar. 2018) - Discussion between PAU, TPA and CEPA resumed, and extension of birdwatching shelter is planned. (Feb. 2019) |   |
| -Trial tour of bird Watching Project as ecotourism in cooperation with TPA   |                |       |         |       |       |                  |        |         |         |          |       |       |       |          |       |       |       |          |       |       |       |         | - Trial BW tour is implemented in VNP(July 2017).  | -Report of Trial BW tour  | 2017 Dec      | -Hearing from tour operator was conducted.  |   |
| -Preparation of bird Watching Guide book   |                |       |         |       |       |                  |        |         |         |          |       |       |       |          |       |       |       |          |       |       |       |         | - Manuscript of Guide book made (July 2017).   | -Bird Guidebook of VNP  | 2017 Dec      | -Bird survey in VMP bloonversity survey was started. (2017 June)  - Field guide brochure for Birds in VNP was prepared, and printed. (Sep. 2018)  - The e-conv of the Field guide to Birds at PALLwas obtained and discussion started for   | uide brochure for Birds in VNP<br>rinted and distributed soon.<br>oject need to keep reminding<br>a copy of the bird guidebook of                               |
| 2.2.6 Establish VNP management committee/taskforce (Park Management Committee) to enforce effective management of the park |                |       |         |       |       |                  |        |         |         |          |       |       |       |          |       |       |       |          |       |       |       |         |  | - Draft By-law<br>- Revised Draft By-law  | 2017 Dec      | - Preliminary draft bylaw was prepared. (2017 Sep) required to - Draft By-law was revised (Mar. 2018) - An expert   | nagement Plan of VNP was<br>ad and thus collaborative effort<br>to develop one.<br>ert group should be establishe<br>pp and review the managemen                |
| 2.3 Conduct facility assessment, and prepare "Facility Development Action<br>Plan."  | Actual         |       |         |       |       |                  | Ш      |         |         |          |       |       |       |          |       |       |       |          |       |       |       |         |  |   |               |   |   |
| 2.3.1Conduct facility assessment.  - Conduct facility assessment.  | Plan<br>Actual |       |         |       |       |                  |        |         |         |          |       |       |       |          |       |       |       |          |       |       |       |         | [VNP facility assessment survey] - Field survey of VNP Facility assessment VNP facility database and VNP facility map.                                 | - VNP facility assessment report, includes database of facility, GIS map  | p. 2016 Mar   | 30, Oct. 6, 8, and 28). includes de<br>VNP facility database and VNP facility map were under preparation, almost to be<br>completed, (Dec 2015). "VNP deve  | cility assessment report,<br>database of facility, GIS map,<br>repared in early Nov. 2015.<br>evelopment plan will be prepare<br>the facility assessment report |
| 2.3.2 Prepare "Facility Development Action Plan."  | Plan           |       |         |       |       |                  |        |         |         |          |       |       |       |          |       |       |       |          |       |       |       |         |  |   |               |   |   |
| - Prepare "Facility Development Action Plan."  | Actual         |       |         |       |       |                  |        |         |         |          |       |       |       |          |       |       |       |          |       |       |       |         | - Facility development plan  | - Facility development plan   | 2016 Mar      | - Several internal discussion with C/P (Mr. Fredrick, Mr. Benside) were held and resolution (some of facilities development will be carried out by the Project without subconfract) was decided(Mar 2016).  - Necessar  | st for facility development plan<br>nalized.<br>al plan will be finalized.<br>sary actions will be implemente<br>I the Action Plan in the left.                 |
| 2.4 Conduct rehabilitation works (i.e., trail, signage etc.) on park facilities.   | Plan           |       |         |       |       |                  |        |         |         |          |       |       |       |          |       |       |       |          |       |       |       |         |  |   |               |   |   |
| 2.4.1 Improve existing basic park facilities.  | Plan           |       |         |       |       |                  |        |         |         |          |       |       |       |          |       |       |       |          |       |       |       |         |  |   |               |   |   |
|  | Actual         |       |         |       |       |                  |        |         |         | Hill     |       |       | 111   | 111      |       |       |       |          |       |       | 1 1 1 | 111     |  |   |               |   |   |

|  |        | 15 <b>IV</b> |  | 016<br><b>III</b><br>7 8 9 1 |  | 2017<br><b>II II</b> |  | 20<br>I II<br>2 3 4 5 6 | 18 | I | 2019<br><b>II</b><br>4 5 6 7 |  | I 2 3 4 | 2020<br><b>II</b> |  | Milestones   | Major<br>Products   | Deadlines       | Achievements   | Issues & Countermeasures  |
|--|--------|--------------|--|------------------------------|--|----------------------|--|-------------------------|----|---|------------------------------|--|---------|-------------------|--|--|---|-----------------|--|---|
| -Install necessary facilities such as signboard, information center, toil etc., and prepare necessary Items such as guidebook  |        |              |  |                              |  |                      |  |                         |    |   |                              |  |         |                   |  | - Facility renewal plans<br>- Implementation records of renewal  | -Report of renovation of the existing facilities at VNP (2016)  | 2017 Jun        | 2016).  - 80 PVC piles and 153 wood piles for car stop pile were renewed or installed (Oct, 2016).   | Important and major renovation was finished.  Maintenance of renovated facilities is important.  Report of facility renovation including planning, implementation methodology, implemented amount/ places, etc. will be prepared (2017 Jun.)  Further renovation will be considered after implementation of information center complex development. |
| -Preparation of explanation and map signboard of VNP (the Main Signboard of VNP)   |        |              |  |                              |  |                      |  |                         |    |   |                              |  |         |                   |  | - Design of the Main Sign Board of VNP including structure design of the board   | - Installation of the Main Sign Board of VNP  | f 2016 Oct -Nov | - Big sized signboard (1440mm x 1200mm, 2 sides) and normal sized signboard (900mm x 750mm, 2 sides) were installed at main picnic area and main lookout in VNP (Nov 2016).  | Maintenance work will be necessary.   |
| Develop CEPA's capacity of supervising operation and monitoring of facilities.   | of     |              |  |                              |  |                      |  |                         |    |   |                              |  |         |                   |  | - Manual for inspection<br>- Manual for monitoring of the development of facility  | - Record of workshop for monitoring o facilities & facility database updating   | f 2019 Dec      | - Manual for inspection on operation of facility updating operation was prepared and explained to CP (July 2016).  - Explanation of how to update the facility database was prepared and explained to CPs (Aug. 2016).  - OJT for facility database update which contributes to capacity development of CEPA for management of the Park has started. (Aug. 2016).  | - Capacity development by OJT to CEPA   |
| -Preparation of BW (Bird Watching) project signboard in VNP  |        |              |  |                              |  |                      |  |                         |    |   |                              |  |         |                   |  | - Detailed Design of signboards  | - Preparation & Installation of the signboard   | 2016 Dec        | Detailed design of signboards were completed(Apr 2016).     BW Project signboard in VNP (900mm x 750mm, 1 side) was installed at main picnic area next to the Explanation big sized signboard (Nov, 2016).     BW Project signboard at PAU was prepared and installed by PAU/TPA with support of the CEPA-JICA Project (Dec, 2016).  | Maintenance work will be necessary.   |
| -Preparation of Megapod explanation signboard in VNP   | Plan   |              |  |                              |  |                      |  |                         |    |   |                              |  |         |                   |  | - Detailed Design of signboards  | - Preparation & Installation of the signboard   | 2016 Nov        | - Two A3 size signboards were installed at The Scarp Track and the Self Guide Track (Nov, 2016).   | Maintenance work will be necessary.     They will be utilized for public relation and environment education activities.   |
| 2.4.2 Develop information provision facilities such as guide map.  -Preparation of VNP Guide Map  2.4.3 Develop/ improve the Information Center (IC) and surrounding | Actual |              |  |                              |  |                      |  |                         |    |   |                              |  |         |                   |  | - Publishing VNP Guide Map   | -VNP Guide Map  | 2017 Dec        |  | - The guide map (with new fee system) will be distributed to visitors at tall gate of VNP after the fee system will be authorized.  |
| area (IC Complex) in VNP.  - Preliminary study for Installation of the Information Center  | Actual |              |  |                              |  |                      |  |                         |    |   |                              |  |         |                   |  | - Ground topographic survey (Oct-Nov, 2016) Soil Bearing capacity test (Oct-Nov, 2016) Basic information collection of Installation of power line to the IC was carried out (Oct-Jan, 2017). | - Preliminary study report  | 2017 Jan.       | Outline survey of the old Information center (IC) and surrounding area was carried out (Aug. 2016). Based on the survey above, plan of operation for basic survey of IC establishing was prepared (Aug. 2016). Ground survey of the old IC and surrounding area (Oct-Nov, 2016). Soil Bearing capacity test within the old IC and surrounding area was carried out (Oct-Nov, 2016). Basic information collection of Installation of power line to the IC was carried out (Oct-Dec, 2016).  | - Based on this study, the new IC construction and IC complex development will be started.  |
| - Preparation of Master Plan of IC complex development   |        |              |  |                              |  |                      |  |                         |    |   |                              |  |         |                   |  | Clarification of required functions, layout of IC complex for the new and old IC   | - Master Plan of IC complex<br>development  | 2017 Feb        | - Identification of the expected functions for the new IC and old IC - Feasibility assessment on re-use of the old IC building - Identification of the necessary facilities in the complex   | - Detail plan, detail design will be prepared based on the master plan Complex will be developed and improved based on the detailed design Master plan will be revised if any change will be found.   |
| - Preparation of detail plan and detailed design of the IC complex development   |        |              |  |                              |  |                      |  |                         |    |   |                              |  |         |                   |  | Draft plan of renovating parking area     Draft designs for renovation of old Information Centre     Draft designs for renovation of plat form between old and new Information Centre        |   | d 2018 Mar      |  | Some checks & consideration, discussions will be carried out for preparation of detail plan and detail design - Check the conditions of the complex area - Check the conditions of the existing facilities - Discuss with some of candidates of   |
| - Implementation of IC complex development   |        |              |  |                              |  |                      |  |                         |    |   |                              |  |         |                   |  |  | - Completion report of rehabilitation of<br>car park area Completion report of Rehabilitation a<br>installation of old IC and wood deck Results of IC complex development<br>report | 2018 Sep        | dor parking area> - Tree cutting in car park area (30th May, 2017) Installation of new car stop piles (8th July, 2017) - Leveling of old car park (8th July, 2017) - Leveling of old car park (8th July, 2017) Construction of Drainage of car park (25th, July 2017) Construction of Drainage of car park (25th, July 2017) Completion report of car park area was made (16th Aug, 2017).  *COld IC renovation and wood deck by JET> - Materials for Old IC renovation was purchased (Aug 2017) The renovation of roof and exterior wall for old information center was started (Aug 2017) Cold IC renovation and wood deck by contractor (Rhodes Ltd.)> - Contract for "installation of timber decking and associated works" was signed with Rhodes Ltd (July 2018) After the site inspections, the 1st and 2nd payments were made (July, August 2018) Site inspection for the final payment was carried out, and several defects were found and reported (5ep 2018) After monitoring the work of the contractor to repair the defects, final inspection was carried out (Oct 2018) Works were completed and a certificate of completion was issued (Nov. 2018) Defects on handrall and electric cable were observed and defect report and letter were prepared and sent to Rhodes Ltd. (Dec. 2018). |   |
| - Preparation of interior design for new information center  |        |              |  |                              |  |                      |  |                         |    |   |                              |  |         |                   |  |  | Tentative Plan on the Equipment for Id (draft for funding proposal)   | CC 2018 Oct     | Interior design for new information center was drafted (Aug 2018). Interior design for the new IC was finalized (Sep. 2018). Interior works – environmental education materials> I Plan on the equipment for ICC was drafted (Mar. 2018). The works for interior design for new information center was started in Japan (June 2018). Interior design for new information center was completed in Japan (Aug 2018). Interior design for the new IC was finalized and data brought into PNG (Sep. 2018). Wall paper was printed (Oct 2018).  |   |

|  |                  | 15 <b>IV</b> |                                       | 2016<br><b>III</b> |  | 2017<br><b>II</b><br>4 5 6 7 |   |   | I II 2 3 4 5 |  |       | 2019<br><b>III</b><br>6 7 8 9 |           | 202<br><b>II</b> |   |   | Milestones  | Major<br>Products  | Deadlines                  | Achievements  | Issues & Countermeasures  |
|--|------------------|--------------|---------------------------------------|--------------------|--|------------------------------|---|---|--------------|--|-------|-------------------------------|-----------|------------------|---|---|---|--|----------------------------|---|---|
| - Handover of ICC with MOU from JICA PNG Office to CEPA  |                  |              |                                       |                    |  |                              |   |   |              |  |       |                               |           |                  |   | - Signi   | ing of MOU by JICA PNG Office and CEPA both   | - MOU for the handover of ICC  | 2018 Dec                   | <mou><br/>- MOU was drafted with JICA's comments and shared with CEPA for their internal consultation. (Nov. 2018)</mou>  |   |
| 2.4.4 Construct new Information Center (IC) in VNP.     Bidding for the New Information Center               | Plan<br>Actual   |              |                                       |                    |  |                              |   |   |              |  |       |                               |           |                  |   | - Repo<br>- All C   | ier documents (with JICA Approval)<br>of of lender results<br>ontract Documents completed (i.e Contract<br>ment, Overalls schedule, Contract Signed   | Contract for the Construction of No<br>Information Center in VNP   | <sup>2W</sup> 2017 June    | - Bid documents preparation completed (including many preparatory researches)(May 2017) confirmation of possibility of Bank Guarantee by the contractor, - consideration of how to secure the contract (performance security and defect reliable security) - confirmation of necessity, procedure, period to obtain building permit - electricity leading work - pre-cost estimation collection - methodology for inspection after defect reliability period - confirmation of qualification of bidders (recent sales and revenue) - Revise the whole new IC contraction schedule - Contracting process finished, and construction work started (17 July 2017).   | Follows will be carried out - Bid documents preparation - Obtain JICA approval for bid documents - Distribution of bid documents - Preparation of bid documents by bidder - Bidding & Opening - Bid evaluation - Obtain JICA approval for contract - Contract award (Advance payment) |
| - Design preparation for the New Information Center  |                  |              |                                       |                    |  |                              |   |   |              |  | 0.000 |                               |           |                  |   |   | ings (Floor plan, location plan, Structure Plan)<br>flication   | - Detail design and shop drawings<br>- Building permit   | 2017 July                  | - All detail drawings were submitted by the Contractor (Nov 2017).     - The detail drawings were reviewed by JET (Nov 2017).     - The contractor is on-going to revise the drawings. (Nov 2017).  | Follows will be carried out - Supervision of preparation of detail design, shop drawings by the contractor - Supervision of obtaining of the building permit by the contractor  |
| - Construction and supervision of the Construction of the New Information center                             |                  |              |                                       |                    |  |                              |   |   |              |  |       |                               |           |                  |   | - Inspe<br>- Final  | ection report (1)<br>sction report (2)<br>inspection report<br>sction report after 1 year from construction<br>etion  | - Information center architectural so<br>- As-build drawings<br>- Report of construction<br>- Report of supervision<br>- Contract closeout documents | 2018 May                   | - Contract for the construction of new Information Center was signed by JICA PNG Office on 17 July 2017.  - The foundation work and inspection at the site were finished. (Nov 2017)  - Required documents were submitted by the contractor but JET requested to revise some wrong parts and to add some necessary documents or data sheets. (Nov 2017)  - The work was expected to be completed in March 2018, however due to several reasons such as delay in acquiring construction permit and procurement process of materials; it was postponed to be by May 2018.  - The construction work has been completed by the contractor (May 2018).   | Supervision for the following works will be carried out - Material procurement - Foundation work - Inspection (1) - Timber framing work - Inspection (2) - Interior exterior finish/ equipment - Power supply - Final Inspection - Take Over - Inspection after one year              |
| <ol> <li>Conduct necessary assessments to prepare Park Management Pla<br/>for progress stage.</li> </ol>     | l Plan<br>Actual |              |                                       |                    |  |                              |   |   |              |  |       |                               |           |                  |   |   |   |  |                            |   |   |
| 2.5.1 Conduct necessary assessments for progress stage.     Interim Assessment of the park management of VNP | Plan Actual      |              | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |                    |  |                              |   |   |              |  | 0.000 |                               |           |                  |   | -Interi   | m assessment of park management   | Revised METT sheet   | 2017 Jul                   | - Draft METT sheet as a basic diagnosis on the current status of VNP was prepared (July 2017).  | - Based on revised METT, management plans on the progress stage should be prepared.   |
| - Assessment of the results of "Revival Stage"   |                  |              |                                       |                    |  |                              |   |   |              |  |       |                               |           |                  |   |   |   |  |                            |   |   |
| 2.5.2 Conduct biodiversity survey.      Prepare for biodiversity survey                                      | Actual           |              |                                       |                    |  |                              |   |   |              |  |       |                               |           |                  |   | - TOR   | to grasp biodiversity (Fauna and Flora) of VNP  | - ToR for biodiversity surveys( Fau<br>Flora)  | na and <sub>2017</sub> Mar | - Draft TOR for biodiversity survey in VNP was prepared. (Sep 2015) - Collected information on potential surveyors in PNG Two meetings with Dr.Allison from Bishop Museum in Hawaii as the strongest candidate to be a sub contractor for biodiversity survey were held. (Sep 2015) - After series of email exchange, one follow-up meeting was held at CEOA, (10 Dec 2015) - For biodiversity survey, after series of email exchange and internal discussions, it was assumed to be appropriate, to divide the ToR into two for distinct tasks (6 Feb 2016).   | - Contents of TOR should be prepared<br>- Contract procedure should be<br>proceeded.  |
| -Selection of the sub-contractor of biodiversity   |                  |              |                                       |                    |  |                              |   |   |              |  |       |                               |           |                  |   |   | uation Sheet (Janu, 2017)<br>ract document (Feb, 2017)  | - Contract document  | 2016 Sep                   | - Three candidates of sub-contractor were invited. Two candidates submitted technical proposal and cost estimation (Sep 2016).  - Result of evaluation of proposals, the Indo-Pacific Conservation Alliance was selected (Oct 2016).  | Contract procedure should be proceeded. The survey will be commenced in January, 2017.  |
| - Conduct biodiversity survey(Fauna and Flora)   | Plan             |              |                                       |                    |  |                              |   |   |              |  |       |                               |           |                  |   | - Interi<br>- Draft<br>- Form<br>report:<br>- Com<br>- Com<br>Manaç<br>- Plan | otion reports (Feb, 2017) In reports (30th June, 2017) Final Report (Mov 2017) al clarification on the approval status of IPCA s ment Response Sheet on IPCA Final Report ment Response Sheet on Invasive Species gement Plan of Biodiversity Seminar | - Final Report   | 2018 May                   | Inception reports (Fauna and Flora) were submitted, verified and made the first paymen (Feb 2017).  Interim Report (set of documents)(Fauna and Flora) was submitted, verified and made the second payment (Jul 2017).  Draft Final Report (set of documents)(Fauna and Flora) was submitted, verified and made comments (Nov 2017).  Draft Final Reports (set of documents)(Fauna and Flora) was submitted, verified and made comments (Nov 2017).  Official approval has been granted to the Inception Reports, Interim Reports and Draft Final Reports. (Mar. 2018)  Comments on the Invasive Species Management Plan have been submitted to IPCA. (Mar. 2018)  Pilan of Biodiversity Seminar was drafted, set on 5/July tentatively. (Mar. 2018)  Final report was submitted (May 2018).  Biodiversity Seminar is planned on 17/Oct, co-hosted with Exxon Mobil (Sep. 2018)  Field Guide Brochures for VNP were submitted and ready for printing. (Sep. 2018)  Final Reports (Fauna & Flora both), Invasive Species Management Plan, Environmental Monitoring Plan, and Executive Summary Report were submitted, and official approval was granted. (Oct. 2018)  - Biodiversity Seminar was conducted from 16th to 19th October, including Study Tour to ICC at VNP, and more than 130 participants were confirmed. (Oct. 2018)  - A brief report of the Biodiversity Seminar was submitted, and a Seminar Proceedings have been under preparation by another co-organizer. (Nov. 2018) | - Manage the progress of field surveys<br>- Remaining reports are supposed to be<br>submitted on 14/Sep/2018.   |
| 2.6 Prepare Park Management Plan for progress stage.   | Plan<br>Actual   |              |                                       |                    |  |                              |   |   |              |  |       |                               |           |                  |   |   |   |  |                            |   |   |
| 2.6.1 Prepare park management plan(progress stage).  | Plan<br>Actual   |              |                                       |                    |  |                              |   |   |              |  |       |                               |           |                  |   |   |   |  |                            |   |   |
| -Prepare TOC of the management plan of VNP.  |                  |              |                                       |                    |  |                              |   |   |              |  |       |                               |           |                  |   |   |   | тос  | 2017 Sep                   | Draft ToC was prepared (Sep 2017).     Draft ToC was revised to incorporate the concept and items of the Biosphere Reserve Nomination Form. (Dec. 2018)   |   |
| - Preparation of Conservation Plan   |                  |              |                                       |                    |  |                              |   |   |              |  | Ш     |                               | $\coprod$ |                  | Ш | - Draft   | Conservation Plan   | Conservation Plan finalized and sh   | ared 2018 Jun              | - Draft Conservation Plan was prepared for discussion. (Feb. 2019)  |   |
| - Preparation of Development and Utilization plan  |                  | Ш            |                                       |                    |  |                              | Ш | Ш |              |  |       |                               |           |                  |   | - Draft   | Development Plan.   | Utilization Plan finalized and share   | d 2018 Jun                 | - Draft Development Plan was prepared for discussion. (Feb. 2019)   |   |

|  |                | 2015<br><b>III IV</b> |           | 2016<br><b>II III</b> | - 44       | I       | 2017<br><b>II</b> II |            |         | 2018<br><b>II</b> 1 | <br>I    |         | ш      | .,        |         | 2020  |      |     | Milestones   | Major<br>Products                          | Deadlines | Achievements   | Issues & Countermeasures |
|--|----------------|-----------------------|-----------|-----------------------|------------|---------|----------------------|------------|---------|---------------------|----------|---------|--------|-----------|---------|-------|------|-----|--|--|-----------|--|--------------------------|
| - Preparation of Logistic Support Plan   | 6 7            | 8 9 10 11 1           | 2 1 2 3 4 | 5 6 7 8               | 9 10 11 12 | 2 1 2 3 | 4 5 6 7 8            | 9 10 11 12 | 1 2 3 4 |                     | 12 1 2 3 | 4 5 6 7 | 8 9 10 | 0 11 12 1 | 2 3 4 5 | 6 7 8 | 9 10 |     | Draft Logistic Support Plan.   | Logistic Support Plan finalized and shared | 2018 Jun  | Parts of "Financial Management", "Human Resources" and "Security" have been drafted. (Mar. 2018)     Draft Logistic Support Plan was prepared for discussion. (Dec. 2018)  |                          |
| 2.6.2 Implement key activities as per the plan.  | Plan<br>Actual |                       |           |                       |            |         |                      |            |         |                     |          |         |        |           |         |       |      |     |  |  |           |  |                          |
| (A) Implementation of Conservation Plan  -Monitoring using camera traps  |                |                       |           |                       |            |         |                      |            |         |                     |          |         |        |           |         |       |      |     |  |  | 2019 Dec  | Animals taken by camera trap from January 2019 to June 2019 were listed (Jul. 2019).     Camera trap monitoring report from January 2019 to June 2019 was drafted (Jul. 2019).     Camera trap monitoring report from January 2019 to June 2019 was finalized (Aug. 2019).   |                          |
| (B) Implementation of Development and Utilization plan  -Use of information center complex   |                |                       |           |                       |            |         |                      |            |         |                     |          |         |        |           |         |       |      |     |  |  | 2020 Jun  | -Initial idea of utilization of ICC was summarized (Apr 2019).  -First draft of packaged four was developed based on discussion with CEPA (Jun. 2019).  -First trial bur was conducted by CEPA and Kae Association (Nov. 2019).  - Draft itinerary for second trial tour was prepared (Feb. 2020).  - Second trial tour was conducted by CEPA and Kae Association (Jun. 2020).   |                          |
| -Livelihood Improvement Activities (Activity 2-8)  |                |                       |           |                       |            |         |                      |            |         |                     |          |         |        |           |         |       |      |     |  |  | 2019 Dec  | IPA registration documents (Form 2) for community group for park management were submitted (Jan 2019).     Bank account for Kae Association was opened (Oct. 2019).  |                          |
| -Creation of information transmission media  |                |                       |           |                       |            |         |                      |            |         |                     |          |         |        |           |         |       |      |     |  | -VNP promotion video                       | 2020 Jun  | - VNP promotion video is being prepared with PNGTPA. (Dec 2019)<br>- VNP promotion video was prepared in collaboration with PNGTPA (Jun. 2020).  |                          |
| - Implementation of bird watching project  |                |                       |           |                       |            |         |                      |            |         |                     |          |         |        |           |         |       |      | -F  | Plan of pilot BW tour  | -Report of BW project                      | 2020 Oct  | -Program of tourism training for Kae Association was discussed (Jun 2019)Program of tourism training for Kae Association was finalized (Sep 2019) First trial tour was conducted by CEPA and Kae Association (Nov. 2019) Previously installed bird watching shelter at PAU was extended by cooperation of TPA and PAU (May. 2020) Opening and official handover event of PAU Bird Walching Shelter was done (Sep. 2020) Report of Achievements of Bird Walching Project was developed (Oct. 2020).   |                          |
| -Monitoring with camera trap   |                |                       |           |                       |            |         |                      |            |         |                     |          |         |        |           |         |       |      |     |  |  | 2020 Sep  | -Camera trap monitoring report from January 2019 to June 2019 was drafted (Jul. 2019)Camera trap monitoring report from January 2019 to June 2019 was finalized (Aug. 2019) A camera trap was installed at near tree house (Nov. 2019) A camera trap monitoring report from July to December 2019 was finalized (Apr 2020).  |                          |
| (C) Implementation of Logistic Support Plan  |                |                       |           |                       |            |         |                      |            |         |                     |          |         |        |           |         |       |      |     |  |  |           |  |                          |
| -Admission fee and other income management   |                |                       |           |                       |            |         |                      |            |         |                     |          |         |        |           |         |       |      |     | Ticket form for admission fee  |  | 2020 Dec  | -Ticket form for admission fee was made (Jan 2019).  - Park staffs has started collecting admission fee at the park gate (Mar 2019).  - A invoice and receipt forms were made (Apr 2019).  - Collected amount of admission fee from March to June was summarized to excel sheets (Jul 2019).  - Collected amount of admission fee from July was summarized to excel sheets (Sep 2019).  - Collected amount of admission fee from August to September was summarized to excel sheets (Nov. 2019).  - Collected amount of admission fee from October to November was summarized to excel sheets (Nov. 2019).  - Collected amount of admission fee from December 2019 was summarized to excel sheets (Nov. 2019).  - Collected amount of admission fee for December 2019 was summarized to excel sheets (Feb. 2020).  - Collected amount of admission fee from January to March 2020 was summarized to excel sheets (May. 2020).  - Collected amount of admission fee from April to June 2020 was summarized to excel sheets (May. 2020).  - Collected amount of admission fee from July to August 2020 was summarized to excel sheets (Nov. 2020).  - Collected amount of admission fee from Septlember to November 2020 was summarized to excel sheets (Nov. 2020). |                          |
| -Improvement of financial management   |                |                       |           |                       |            |         |                      |            |         |                     |          |         |        |           |         |       |      | -E  | Bookkeeping Manual   |  | 2019 Dec  | - Bookkeeping manual for park coordinator was prepared (Jan 2019).  - Materials for 1st book-keeping training for park coordinator and park rangers were prepared (Mar 2019).  - First book-keeping training for park coordinator and park rangers was carried out (Mar 2019).  - A report for first book-keeping training for park staffs was made (Apr 2019).  - Forms for reporting CEPA finance were prepared (Apr 2019).  |                          |
| -Security improvement  |                |                       |           |                       |            |         |                      |            |         |                     |          |         |        |           |         |       |      |     |  |  | 2019 Dec  | - Two camera traps were installed at the park gate to tighten security (Aug 2019).   |                          |
| -Institutional strengthening of the park management committee  |                |                       |           |                       |            |         |                      |            |         |                     |          |         |        |           |         |       |      | I-N | ToR of Management Committee (Jan-Mar,2019)<br>Meeting Minutes of Committee meeting (April-<br>Jec2019) |  | 2020 Sep  | - VNP management structure was drafted (Jan.2019) - ToR of Management Committee was drafted (Mar,2019) - First meeting of park management committee was held (Aug 2019) Second meeting of park management committee was held (Oct. 2019) Third meeting of park management committee was held (Feb. 2020) Fourth meeting of park management committee was held (Jun. 2020).   |                          |
| -Monitor on usage of park facilities using camera traps  |                |                       |           |                       |            |         |                      |            |         |                     |          |         |        |           |         |       |      |     |  |  | 2020 Sep  | Number of cars came VNP was analyzed based on camera trap data (Jul. 2019).     Camera trap monitoring report from January 2019 to June 2019 was drafted (Jul. 2019).     Camera trap monitoring report from January 2019 to June 2019 was finalized (Aug. 2019).     A camera trap monitoring report from July to December 2019 was finalized (Apr 2020).   |                          |
| 7. Integration of Development Planning. Enhance regional/landscape- evel development planning with emphasis on biodiversity conservation ntegrating different level government development planning.  2.7.1 By assessing existing development plans, and by holding varion | Actual         |                       |           |                       |            |         |                      |            |         |                     |          |         |        |           |         |       |      |     |  |  |           |  |                          |

|  |                | 2015  | IV I          | 20<br><b>I</b> | 116 <b>III IV</b> | I        | 2017    | 7<br><b>II</b> | IV        | I :     | 2018<br><b>II III</b> | . IV    | · I    | <b>II</b> | 2019  |        | 7 I      |     | 2020<br>T |        |       | Milestones   | Major<br>Products   | Deadlines | Achievements   | Issues & Countermeasures |
|--|----------------|-------|---------------|----------------|-------------------|----------|---------|----------------|-----------|---------|-----------------------|---------|--------|-----------|-------|--------|----------|-----|-----------|--------|-------|--|---|-----------|--|--------------------------|
| consultations with concerned local governments, identify key issues and challenges to be achieved for ensuring sustainable natural   | Actual         | 7 8 9 | 10 11 12 11 2 | 3 4 5 6        | 7 8 9 10 11       | 12 1 2 3 | 4 5 6 7 | 8 9 10         | 0 11 12 1 | 1 2 3 4 | 5 6 7 8               | 9 10 11 | 12 1 2 | 3 4 5     | 6 7 8 | 9 10 1 | 1 12 1 2 | 5 4 | 5 6 7     | 8 9 10 | 11 12 |  |   |           |  |                          |
| resource use and biodiversity conservation.  - Review of Koiari five year development plan (2011-2015)   |                |       |               |                |                   |          |         |                |           |         |                       |         |        |           |       |        |          |     |           |        | Α     | Analysis note  | Analysis note with key recommendations                                | 2016 Sep  | -Biodiversity conservation related sectors in the development plan of Koiari LLG (2011-2015) were reviewed and made an analysis note (30 Nov 2015)Revised development plan with key recommendations was made based on review of the commendations was made based on review of the commendations.   |                          |
| - Review of Central province development plan (2013-2017)  |                |       |               |                |                   |          |         |                |           |         |                       |         |        |           |       |        |          |     |           |        | Α     | Analysis note  | Analysis note with key recommendations                                | 2017 Mar  | Koiari five year development (2011-2015) and submitted to Koiari LLG (Sep 2016).  -Biodiversity conservation related sectors in the development plan of Central Province (2013-2027) were reviewed and made an analysis note (27 Nov 2015).  -Revised development plan with key recommendations was made based on review of central province development plan (2013-2017) and submitted to Central province (Mar 2017).  |                          |
| 2.7.2 Consult with concerned local governments and other stakeholders to integrate actions for ensuring sustainable natural resource use and biodiversity conservation into respective developme plans.  | Plan<br>Plan   |       |               |                |                   |          |         |                |           |         |                       |         |        |           |       |        |          |     |           |        |       |  |   |           |  |                          |
| - Based on the review of Koiari five year development plan, consult ar discuss with concerned local governments and other stakeholders.  | nd             |       |               |                |                   |          |         |                |           |         |                       |         |        |           |       |        |          |     |           |        |       | Oocuments for stakeholder consultations with Koiari<br>LLG       | Development plan  | 2018 Aug  | - Series of meetings was held with acting korari manager (Mr. Kelly) (Nov 19, 2015, Dec 7, 2015).  - A meeting was held with Kolari manager (Mr. Alfred) (Nov 23, 2015).  - A meeting was held with Kolari manager (Mr. Alfred) (Feb 22, 2016).  - A meeting was held with Kolari manager (Mr. Alfred) (Fep 2, 2016).  - Comments on draft development plan was submitted to Kolari LLG (Mar 2018).  - Final version of development plan was submitted to Kolari LLG (April, 2018).  - Kolari LLG finalized a development plan and submitted to Hiri District (Aug 2018).  |                          |
| - Based on the review of Central province development plan, consult and discuss with concerned local governments and other stakeholder   |                |       |               |                |                   |          |         |                |           |         |                       |         |        |           |       |        |          |     |           |        | C     | Documents for stakeholder consultations with Central<br>Province | Development plan  | 2018 Dec  | - Meeting was held with Central province (Mr. Morea Arua) on December 10, 2015 Meeting was held with Central province (Mr. Morea Arua) on September 28, 2016 Meeting was held with Central province (Mr. Edward Kila) on December 2, 2016 Meeting was held with Central province (Mr. Morea Arua) on March 16, 2017 Meeting was held with newly appointed Advisor of Policy Planning from Central province on December 5, 2017 Comments on draft development plan was submitted to newly appointed Advisor of Policy Planning from Central province and waiting internal process for approving new development plan (Dec 2017).              |                          |
| 2.7.3 Confirm final documents of five year development plan.   | Plan<br>Actual |       |               |                |                   |          |         |                |           |         |                       |         |        |           |       |        |          |     |           |        |       |  |   |           |  |                          |
| - Check the final document of Kolari five year development plan  |                |       |               |                |                   |          |         |                |           |         |                       |         |        |           |       |        |          |     |           |        |       |  | Final report of achievement for Koiari<br>LLG development planning    | 2020 Aug  | - Memo of the major changes of the new development plan was summarized (Sep 2018).     - Final report of achievement for Kolari LLG development planning was made (Dec 2018).     - A meeting was held with Kolari manager (Mr. Alfred) to make an action plan for Kolari LLG based on the development plan (May. 2020).     - Action plan for Kolari LLG was discussed with Kolari LLG (Aug. 2020).   |                          |
| - Check the final document of Central province development plan  |                |       |               |                |                   |          |         |                |           |         |                       |         |        |           |       |        |          |     |           |        |       |  | Final report of achievement for Central province development planning | 2020 Aug  | -Final report of achievement for Central province development planning was made (Dec 2018).  -Final version of Central Province Development Plan was made by Central Province Government (Nov 2019).  -Action plan for Central Province was discussed with Central Provincial Government (Aug. 2020).  |                          |
| 2.7.4 Provide necessary assistance for development planning of<br>respective local governments to meet the MAB requirements.   | Plan<br>Actual |       |               |                |                   |          |         |                |           |         |                       |         |        |           |       |        |          |     |           |        |       |  |   |           |  |                          |
| - Review of MAB requirement(case study of MAB with similar projects and Plan MAB application preparation and submission.   | ;)             |       |               |                |                   |          |         |                |           |         |                       |         |        |           |       |        |          |     |           |        | C     | Guiding principle to introduce Biosphere Reserve                 | Strategy of MAB application preparation                               | 2019 Dec  | -Biosphere Reserve Nomination Form and the Nomination Application from the Viet Nam project were reviewed and made draft guiding principle (10 Dec 2015).  |                          |
| - Prepare draft report.  |                |       |               |                |                   |          |         |                |           |         |                       |         |        |           |       |        |          |     |           |        |       |  |   | 2020 Mar  | - First draft of BR nomination form was made (Dec 2019).   |                          |
| - Discuss and finalise the draft report.   |                |       |               |                |                   |          |         |                |           |         |                       |         |        |           |       |        |          |     |           |        |       |  |   | 2020 Mar  |  |                          |
| 2.8 Promoting Natural Resource Sustainability: Enhance local<br>livelihood activities in Koiarl Local-level Government (LLG) for contributin<br>biodiversity conservation of VNP and its landscape by promoting<br>sustainable use of natural resources. |                |       |               |                |                   |          |         |                |           |         |                       |         |        |           |       |        |          |     |           |        |       |  |   |           |  |                          |
| 2.8.1 Assess social, economical and cultural situation of Koiari LLG.  | Plan<br>Actual |       |               |                |                   |          |         |                |           |         |                       |         |        |           |       |        |          |     |           |        |       |  |   |           |  |                          |
| Develop a TOR, procure outside consultants to carry out socioeconomic survey/social mapping  |                |       |               |                |                   |          |         |                |           |         |                       |         |        |           |       |        |          |     |           |        | T     | TOR prepared and agreed  | TOR   | 2017 Feb  | Basic socio economic information in the target wards of Korari LLG was collected.     Based on the analysis of the collected information, draft TOR for socio economic survey was prepared.     By consultation with relevant stakeholders, target wards in Korari LLG were identified.     Three potential contractors for socioeconomic survey were identified, and had a series of meetings with each of them.     Assessed capability of the identified potential contractors, assessed preliminary proposal submitted by the contractors.     Revised TOR based on the discussion and preliminary proposals from potential contractors. |                          |
| - Procurement process for social mapping   |                |       |               |                |                   |          |         |                |           |         |                       |         |        |           |       |        |          |     |           |        | ٨     | Maps, land tenure boundaries clearly demarcated                  | - Contract documents  | 2017 June | -Contracting for socio economic survey and social mapping was done (26 June 2017).   |                          |
| - Undertake socio-economic survey  |                |       |               |                |                   |          |         |                |           |         |                       |         |        |           |       |        |          |     |           |        |       | Inception Report<br>Draft Final Report                           | - Final report  | 2018 May  | - Inception Workshop was conducted (July 2017) Frist meeting with 4 clan leaders around VNP was held (August 2017) Draft final report(set of documents) was submitted(Nov 2017), verified, commented and received final version. Made the second payment (Dec 2017) Final seminar was conducted and the results of social mapping and socio-economic survey were explained to CEPA (Mar 2018) Final report was submitted (May 2018).   |                          |
| 2.8.2 By consultation with the LLG government of Koiari and Centra<br>Provincial Administration, identify needs and expectations of the<br>government for livelihood development   | Plan<br>Actual |       |               |                |                   |          |         |                |           |         |                       |         |        |           |       |        |          |     |           |        |       |  |   |           |  |                          |
| Undertake needs and expectations assessments for livelihood development for local governments  |                |       |               |                |                   |          |         |                |           |         |                       |         |        |           |       |        |          |     |           |        |       |  |   | 2016 Mar  | - Had a series meetings with various stakeholders (March 2016).  |                          |
| 2.8.3 By holding workshops with communities in Korari LLG, identify  | Plan           |       |               |                |                   |          |         |                |           |         |                       |         |        |           |       |        |          |     |           |        |       |  |   |           |  |                          |

|  |                | 115<br><b>IV</b><br>9 10 11 1 | I 2 1 2 1 | <br>2016<br><b>III</b> |  | 201<br><b>II</b> | _ |  | <br><b>III IV</b> | <br><b>II</b> | <br>                                  |  | 2020<br><u>III</u><br>6 7 8 1 | Milestones 2                                     | Major<br>Products   | Deadlines  | Achievements   | Issues & Countermeasures |
|--|----------------|-------------------------------|-----------|------------------------|--|------------------|---|--|-------------------|---------------|---------------------------------------|--|-------------------------------|--|---|------------|--|--------------------------|
| eds and expectations of local people for livelihood development  | Actual         |                               |           |                        |  |                  |   |  |                   |               |                                       |  |                               |  | Workshop report(s) including communeeds and expectations identified   | nity       | - 2 meetings were held with Deputy Provincial Administrator (Edward Kila) and his staff 2 meeting were held with Kolari LLG Manager and his staff Key players in central provincial administration, Hiri district administration and Kolari LLG were identified.  (Kolari Kick-off Workshop) - The workshop was held on Oct. 22 with key partners, Provincial got., Kolari LLG office, related wards (councilors, associations, landowners), TPA and PAU Report of the Kolari Kickoff Workshop was prepared and submitted to JICA, distributed   |                          |
| old at least 3 workshops for communities in Korari LLG to identify<br>ds and expectations of local people                  |                |                               |           |                        |  |                  |   |  |                   |               |                                       |  |                               |  | Report for Inception Workshop for Kolari Report of Follow-up Workshop for Kolari Report for workshop on Livelihood development Other related report | 2016 Mar   | to all stakeholders.  [Follow-up Workshop for Koiari]  - The workshop was held on Nov. 24, 2015. There were about 30 participants including Koiari LLC office, TPA and three clans in the Buffer zone of VNP. In this workshop, outline of bird watching project was explained and discussed on how local people join tourism development in VNP.  - Report of the follow-up workshop was prepared and submitted to JICA, distributed to all stakeholders.  [Workshop on Livelihood Development]  - The workshop was held on Feb 25th, 2016. This workshop focused on local communities within the buffer of the Varirata National Park, which includes 3 clan groups. In this workshop, contents of livelihood development was discussed based on memo of proposed frame of livelihood development made by JICA project team. | government.              |
| 4 Identify target populations for livelihood development activities.   | Plan           |                               |           |                        |  |                  |   |  |                   |               |                                       |  |                               | =  |   |            |  |                          |
| ased on the results of workshop and meetings with Koiari LLG,<br>tet populations for livelihood development is identified. | Plan           |                               |           |                        |  |                  |   |  |                   |               | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |  |                               | Target populations identified in each community  |   | 2016 Jun   | Target clans were identified based on several meeting with CEPA, Koiari LLG  |                          |
| velopment activities.  | Actual         |                               |           |                        |  |                  |   |  |                   |               |                                       |  |                               |  |   |            |  |                          |
| Extract needs from relevant stakeholders for cultural/ecological<br>xposure tour   |                |                               |           |                        |  |                  |   |  |                   |               |                                       |  |                               |  | Meeting minutes for discussion with relevant stakeholders   | 2016 Sep   | - A meeting was held with Mr. Nathan Lati (TPA), Mr. Leo Mark (Central Provincial Administration), Mr. Inari (Sirinum Eco-lourism Cooperative) on March 1, 2016 A meeting was held with Mr. Daniel Wakra who is tour operator (New Guinea Natural Tours) on March 8, 2016 A meeting was held with Ms. Mikata who is tour operator (PNG JAPAN) on March 11, 2016 A meeting was held with Mr. Nathan Lati of TPA officer (2016/9/14) A meeting was held with Mr. Kamioka who is tour operator (PNG JAPAN) (2016/9/27) A meeting was held with Mr. Paul Liss who is tour operator (PNG Wildest Adventure) (2016/11/29).   |                          |
| identify potential resource assessment of cultural/ecological exposi<br>ur   | sure           |                               |           |                        |  |                  |   |  |                   |               |                                       |  |                               |  | Tourism resource note around Koiari area  | 2016 Sep   | A meeting was held with Koiari manager (Mr. Alfred) and discussed how to collect tourism resource information in Koiari LLG (Mar 2, 2016).      Tourism resource assessment was conducted and made 12 assessment note of potential tourism resource (September 2016)   |                          |
| Form social group for livelihood development activates   |                |                               |           |                        |  |                  |   |  |                   |               |                                       |  |                               |  | Social group for livelihood activities<br>Member list of social group   | 2017 Mar   | - A meeting was held with Leaders of four land owning clans and word councilors. They discussed how to form social groups to develop a packaged tour (Nov 30, 2016) A meeting was held with Mr. Alfred for collecting member list of social group (Dec. 5, 2016) The member lists of three social groups were collected from 4 clan leaders (Mar 6, 2017) First social group meeting for traditional dance was held (Mar 13, 2017)   |                          |
| Deliberation of contents of development of Eco tour program and aking draft livelihood development plans                   |                |                               |           |                        |  |                  |   |  |                   |               |                                       |  |                               | Meeling minutes for discussion with social group | Draft proposed frame of livelihood<br>development<br>Draft livelihood development plan  | 2017 Sep   | - By analyzing discussion of follow-up workshop, memo of proposed frame of livelihood development was made (Dec 10, 2015).  - Two draft packaged lour were made by discussing with Koiari LLG (Sep 30, 2016)  - Draft activity plan of traditional dance group was made by discussing with social group member (Mar, 2017).  - Activity plan of traditional cooking group was discussed with social group member (Mar, 2017).  - A meeting was held with member of cultural item group for discussing their activity plan (June 7, 2017).  |                          |
| Consultation and introduction of livelihood development plan to<br>elevant player including community people               |                |                               |           |                        |  |                  |   |  |                   |               |                                       |  |                               |  | Livelihood Development Plan(s)  | 2018 Aug   | Draft activity plan of traditional dance group was introduced to Mr. Alfred (Koiari Manager) (Mar, 2017).     Tourism part of livelihood development plan was drafted and discussed with CEPA (June 2017).     Option of participation in the management of VNP was discussed with CEPA (June 2017).     Second draft of livelihood development plan was made and discussed with CEPA and Koiari LLG (August 2017).     Livelihood development plan was finalized and shared with relevant player (Aug 2018).  |                          |
| <ol> <li>2.8.6 Conduct actions in accordance with the livelihood developmen<br/>plans.</li> </ol>                          | Plan<br>Actual |                               |           |                        |  |                  |   |  |                   |               |                                       |  |                               |  |   |            |  |                          |
| Selection of core member and decide role and responsibility each nember of the ILG or community-based group                |                |                               |           |                        |  |                  |   |  |                   |               |                                       |  |                               | Memo of role and responsibility of Kolari group  | Application form for registration to IP/  | A 2019 Jan | - Memo of role and responsibility of livelihood development groups in the ILG framework was drafted (August 2017).  - The idea of livelihood development groups was discussed with 4 clan leaders, Koiari LLG and CEPA (August 2017).  - Based on results of social mapping and socio economic survey, formation of livelihood development group was discussed with CEPA (February, 2018).  - Core members of livelihood development group were selected by 4 clan (Aug 2018).  - Draft IPA registration documents for livelihood development group was prepared (Aug 2018).  - Association of Koiari nset for association were submitted to IPA (Sep 2018).  - IPA registration documents for association were submitted to IPA (Sep 2018).   |                          |
|  |                |                               |           |                        |  |                  |   |  |                   |               |                                       |  |                               |  |   |            | <ul> <li>Association of Kolari posted news article regarding notice of intention to apply for IPA<br/>(Mov 2018).</li> <li>Final IPA registration documents (Form 2) for the association were submitted to IPA<br/>(Jan 2019).</li> <li>Certificate of IPA registration for the association was issued by IPA (Mar 2019).</li> </ul>   |                          |

|   | Plan     | 20    | 115     |        |       | 2016  |         |        |       | 2017    |            |         | 2018            | 8          |                        |       | 2019              |                   |            | _     | 2020     | _      |       | Milestones                                     | Major  | Deadlines        | Achievements   | Issues & Countermeasures |
|---|----------|-------|---------|--------|-------|-------|---------|--------|-------|---------|------------|---------|-----------------|------------|------------------------|-------|-------------------|-------------------|------------|-------|----------|--------|-------|--|--|------------------|--|--------------------------|
|   | Actual 6 | 7 8 9 | 9 10 11 | 12 1 2 | 3 4 5 | 6 7 8 | 9 10 11 | 12 1 2 | 3 4 5 | 6 7 8 9 | 9 10 11 12 | 1 2 3 4 | <b>II</b> 5 6 7 | <b>III</b> | <b>IV</b><br>0 11 12 1 | I 2 3 | <b>II</b> 4 5 6 7 | <b>III</b> 8 9 10 | IV 11 12 1 | 2 3 4 | II 5 6 7 | 8 9 10 | 11 12 | 2  | Products   |                  |  |                          |
| -Provide guidance for setting up financial management of the group                                      |          |       |         |        |       |       |         |        |       |         |            |         |                 |            |                        |       |                   |                   |            |       |          |        |       | Bank account for Kolari group                  | Report of book-keeping training  | 2019 Dec         | -Necessary documents such as meeting minutes for opening bank account were prepared (Sep 2018).  - Financial forms and bookkeeping manual for Kae association were prepared (Jan 2019).  - Materials for 1st book-keeping training were prepared (Mar 2019).  - First book-keeping training for Kae association was carried out (Mar 2019).  - A report for first book-keeping training was made (Apr 2019).  - Bank account for Kae Association was opened (Oct. 2019).   |                          |
| -Conduct a studylexposure tour for improving their performance and management ability                   |          |       |         |        |       |       |         |        |       |         |            |         |                 |            |                        |       |                   |                   |            |       |          |        |       | Memo of implementation plan for Study/Exposure | e tour Report of results of Study/Exposure   | tour 2019 Apr    | Discuss the contents and place for studylexposure tour with TPA officer (Nov 2017)     Memo of outline for studylexposure tour was made in April (Apr. 2018)     A meeting was held with a tour operator to discuss itinerary of a studylexposure tour (Sep 2018).     Information of candidate site for studylexposure tour was collected (Jan 2019).     A Itinerary for studylexposure tour was drafted (Mar 2019).     Studylexposure tour was held with 20 participants from Kae association (Apr 2019).  |                          |
| Conduct hands-on trainings for improving service of livelihood development activities                   |          |       |         |        |       |       |         |        |       |         |            |         |                 |            |                        |       |                   |                   |            |       |          |        |       |  | Report of Hands-on training  - Report on Kolari Traditional Dancir Group Audition  - Dancing and Cooking Group's Rehearsal Report                      | ng<br>2018 Aug   | [Traditional dance group] - Audition was conducted for checking dancing skill of group member (Mar 2017) Costume for dance performance was prepared by group member (Apr and May 2017) Dance training was conducted by group member for inaugural launching at VNP (Apr 2017).  [Arts and crafts group] - Arts and crafts group] - Arts and crafts group Arts and crafts group Internal group discussion was held, and the group decided to be integrated in to the dance and cocking groups (Aug 2017).   |                          |
| - Supervise, coordinate and advice for conducting livelihood development activities                     |          |       |         |        |       |       |         |        |       |         |            |         |                 |            |                        |       |                   |                   |            |       |          |        |       |  | Report for Inaugural Launch for the<br>Renovated Facilities in Varirata Nati<br>Park     World Environmental Day Event R     Report of ranger workshop | onal<br>2020 Nov | [Traditional dance group]  Dance group performed their dancing at the total of two events (Apr and June 2017).  Dance group performed their dancing at the total of two events (Oct and Nov 2018).  Dance group performed their dancing at the ICC opening and World Environmental Day event (Mar and June 2019).  Dance group performed their dancing at the second trial tour (Jun. 2020).  Dance group performed their dancing at the final seminar (Nov. 2020).  [Traditional cooking group]  Cooking group provided lunch boxes at the total of two events (Apr and June 2017).  Cooking group provided lunch at the ranger workshop held by UNDP (Nov 2018).  Cooking group provided hunch at the ICC opening (Mar 2019).  Cooking group provided hunch at the first trial tour (Nov. 2019).  Cooking group provided lunch at the second trial tour (Jun. 2020).  [Arts and crafts group]  Arts and crafts group provided local hats and a miniature model of tree house at World Environmental Day (June 2019). |                          |
| - Conduct a familiarization tour for introducing Koiari group to tour operators and the public.         |          |       |         |        |       |       |         |        |       |         |            |         |                 |            |                        |       |                   |                   |            |       |          |        |       | Memo of implementation plan for FAM tour       | Report of results of FAM tour  | 2020 Jun         | -Memo of outline for FAM tour was made in April (Apr. 2018) -First draft of packaged tour was developed based on discussion with CEPA (Jun. 2019)Each role of packaged tour was clarified with CEPA and Kae Association (Sep. 2019)First trial tour was conducted by CEPA and Kae Association (Nov. 2019)A report for first trial tour was made (Dec. 2019)Draft Illinerary of second trial tour was prepared (Feb. 2020)Second trial tour was conducted by CEPA and Kae Association on 20 June 2020 (Jun. 2020).  |                          |
| Hold workshops or meetings for evaluating and wrapping up livelihodevelopment activities of the project | od       |       |         |        |       |       |         |        |       |         |            |         |                 |            |                        |       |                   |                   |            |       |          |        |       | Implementation Monitoring Report               |  | 2020 Nov         | Implementation monitoring report for livelihood development activities from August 2018 to January 2019 was made (Feb. 2019).     Implementation monitoring report for livelihood development activities from February to July 2019 was made (Aug. 2019).     Implementation monitoring report for livelihood development activities from August 2019 to March 2020 was made (Mar. 2020).     Evaluation workshop for Kae Association was held (Mar. 2020).     Presentation materials including action plan for Kae Association was developed for final seminar, and it was presented at the seminar the 18th Dec 2020 (Nov. 2020).   |                          |

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

|   |                |               |           |              |             |      |           |   |                |    |   |                     |     |   |                 | Ī  |   | Plan   |           | Monitoring (as of December 12, 2020)   | Ver. 3.  |
|---|----------------|---------------|-----------|--------------|-------------|------|-----------|---|----------------|----|---|---------------------|-----|---|-----------------|----|---|--|-----------|--|--|
|   |                | 015 <b>IV</b> | т         | 2016         | TV I        | D17  | TV I      | 2 | 18<br><b>m</b> | TV | T | 2019<br><b>II</b> I | ı w | T | 20<br><b>II</b> | TV | Milestones  | Major<br>Products  | Deadlines | Achievements   | Issues & Countermeasures   |
|   | 6 7 8          | 9 10 11 12 1  | 1 2 3 4 5 | 6 7 8 9 10   | 0 11 12 1 2 | <br> | 11 12 1 2 |   |                |    |   | 5 6 7 1             |     |   | <br>7 8 9 1     |    |   |  |           |  |  |
| <ol> <li>A model of establishing a new marine PA is developelect target areas for establishing a model marine PA.</li> </ol>  |                |               |           | concerned la |             |      |           |   |                |    |   |                     |     |   |                 |    |   |  |           |  |  |
| •   | Actual         |               |           |              |             |      |           |   |                |    |   |                     |     |   |                 |    |   |  |           |  |  |
| .1 Collect and review existing data & information related to the rine-coastal ecosystem of PNG.   | Actual         |               |           |              |             |      |           |   |                |    |   |                     |     |   |                 |    |   |  |           |  |  |
| ·   |                |               |           |              |             |      |           |   |                |    |   |                     |     |   |                 |    |   |  |           | Current laws & regulations concerning marine protected areas in PNG were collected and stored in the project achieve, and reviewed. (Feb 2016)   | - Information on sub-national leve<br>(provincial & LLG level) needs to<br>collected.  |
| Illect and analyze data & information on current policies,<br>ulations, marine biodiversity, existing MPAs, management issues,<br>so on.  | ,              |               |           |              |             |      |           |   |                |    |   |                     |     |   |                 |    |   | - List of collected information  | 2016 Dec  | stored in the project archive. (Feb 2016) - Secondary data & information on existing MPAs and management issues were   | <ul> <li>Some more information needs<br/>collected (scientific papers, EIA</li> <li>Original gazettal and manager<br/>plans for MPAs are to be collect</li> <li>The project archive need to be</li> </ul>  |
| Consult with governmental authorities concerned to clarify need   | ds Plan        |               |           |              |             |      |           |   |                |    |   |                     |     |   |                 |    |   |  |           |  | organized  |
| willingness on marine-coastal PA establishment model.   | Actual         |               |           |              |             |      |           |   |                |    |   |                     |     |   |                 |    |   |  |           |  |  |
| nsult with relevant government agencies and local authorities<br>ude NCDC, UPNG, NFA, NGOs, private sector etc.).   |                |               |           |              |             |      |           |   |                |    |   |                     |     |   |                 |    | Meeting memo<br>Request support letters<br>Memo on following up of support letter to stakeholders<br>List of stakeholders | - Support letter from PING Coastal<br>Fisheries Development Authority<br>- Support letter from CVES (NGO)<br>- Stakeholder assessment memo | 2016 Nov  | Consultations with various stakeholders (include. NCDC, UPNG, NFA, CPA, NGOs, private sector etc.) were conducted to clarify needs and willingness on marine-coastal PA establishment(Jun 2015- Aug 2016).  Consultation meeting was held with NFA (Leban Gisawa, Manager of Coastal Fishery) on the cooperation to protect Bootless Bay (Apr. 21, 2016).  Consultation with professors of UPNG was conducted on the cooperation to protect Bootless Bay (Apr. 22, 2016).  Consultation with NFA and Office of Coastal Fisheries Development Agency was carried out regarding brief on CEPA's intension to protect Bootless Bay, and request for support. The letters were sent under the name of CEPA MD. (Apr. 12, 2016).  Support letter was submitted. (PNG Coastal Fisheries Development Agency, Apr. 19, 2016).  Consultation meeting was held with UPNG regarding brief on CEPA's intension to protect Bootless Bay, and request for support. (Apr. 28, 2016).  Consultation meeting was held with Central Papua Conference regarding brief on CEPA's intension to protect Bootless Bay, and request for support. (May 6, 2016).  Meeting with NFA was held to brief on CEPA's intension to protect Bootless Bay, and request for support. (May 6, 2016).  A meeting was held with NFA (Ms. Angela Kwapena)(Oct. 27, 2016).  - Support letter from CVES was received (May 10, 2016).  - Memo on following up of support letter to stakeholder were prepared as a part of Road Mag (Nov. 7, 2016). | - Consultation with local author to be conducted Support letters from NFA, CP, and UPNG yet to be received. I their letter prepared but VC yet July 2016) - Support letters from NCDC ar will be received 2nd Sep. 2016 - Support letter from NFA and College of the Support letter, CEP Project requests letter of "Sepricited of Support letter, CEP project requests letter of "Sepricited of Support letter, CEP with the support letter, CEP project requests letter of "Sepricited of Support letters" to members of Bootles Marine Conservation Initiative. |
| Collect information on potential Model MPA site (Bootless Bays)   | Plan<br>Actual |               |           |              |             |      |           |   |                |    |   |                     |     |   |                 |    |   |  |           |  |  |
| nduct a field observation trip at Bootless bay areas.   |                |               |           |              |             |      |           |   |                |    |   |                     |     |   |                 |    |   | - Joint observation trip memo  | 2016 Aug. | - Field observation trip was conducted to assess physical and ecological conditions of Bootless bay areas (Sep. 4, 2015 & Sep. 7, 2015).  - Biological and ecological condition was observed during preliminary field survey and the report was prepared (Sep. 7, 2015).  - Conducted drone survey in Tuna Bay. (Apr. 7, 2016).  - Field observation trip for ground ruthing for mangrove distribution to three locations in Bootless inlet (Apr. 18, 2016).  - Conducted joint observation trip to proposed mangrove protected site at Bootless Bay Inlet (UPNG (5p), CPC (1p), CEPA-JICA (5p)(Aug. 9, 2016).  - Joint Observation memo was prepared (Aug. 15, 2016).   |  |
| lect and analyze secondary information on A. Ecosystem and versity, B. Marine/coastal related law & regulation, C. Ongoing lopment project, D. Ongoing development effort and E. Sociomic status of Bootless Bay areas. |                |               |           |              |             |      |           |   |                |    |   |                     |     |   |                 |    |   | - Situation analysis report  | 2016 Nov. | - Secondary information on A. Ecosystem and biodiversity, B. Marine/coastal related laws & regulations, C. Ongoing development projects, D. Ongoing development efforts and E. Socio-economic status of Bootless Bay areas were collected to be stores in the project achieve and analyzed.  - Consulted with mangrove expert (Pius Piskaut, UPNG) on the distribution of mangroves in Bootless inlet (Apr. 18, 2016)  - First draft of the situation analysis report was prepared (Dec. 15, 2015).  - Situation analysis report ver. 2 was prepared (Aug. 12, 2016).  - Situation analysis report ver. 2 was prepared (Aug. 12, 2016).  |  |
| alyze strength, weakness, opportunity and threat (SWOT) areas<br>ell as problems and objectives for Bootless Bay areas to establis<br>MPA, compile results in an "analysis report".                                     |                |               |           |              |             |      |           |   |                |    |   |                     |     |   |                 |    | Draft of problem & objective analysis report  | - Problem & objective analysis report  | 2016 Nov. | First draft of the problem & objective analysis report was prepared (Dec. 15, 2015).  *Conducted first meeting with relevant stakeholders to discuss results of analysis described in the draft reports, to establish a common understanding about Bootless bay areas (16 Dec 2015).  *Meeting minute (17 Dec 2015).  *Problem & objective analysis report (Nov. 8, 2016)  *Problem & objective analysis report (Nov. 8, 2016)   |  |
| induct meeting with relevant stakeholders to discuss results of<br>lysis, and to establish common understanding about the needs ar<br>ectation on the protection of Bootless Bay areas.                                 | nd             |               |           |              |             |      |           |   |                |    |   |                     |     |   |                 |    | Meeting memo  |  | 2017 Mar. | - The results of analysis were shared and accepted in 2nd BBMCI meeting (Apr. 19 2017)   | - Job visits UPNG, Central Prov<br>Government, Hiri LLG, Tubuser<br>Center, CPC and NFA to explai<br>Roadmap to stakeholders and p   |
| Establish criteria for marine-coastal PA model.   | Plan<br>Actual |               |           |              |             |      |           |   |                | +  |   | H                   |     |   |                 | H  |   |  |           |  | p3 Sianoi loido i 3 dilli  |
| ntegrating all reports , prepare Roadmap to establish MPA in  |                |               |           |              |             |      |           |   |                |    |   |                     |     |   |                 |    | Draft roadmap   | - Final Roadmap  | 2016 Dec. | - Roadmap was drafted. (Nov. 14, 2016)<br>- Roadmap was finalized. (Dec. 10, 2016)   |  |
| Propose candidate sites for marine-coastal PA establishment   | Plan           |               |           |              |             |      |           |   |                |    |   |                     |     |   |                 |    |   |  |           |  |  |
| iel.<br>opose candidate sites for marine-coastal PA establishment mode  | 1              |               |           |              |             |      |           |   |                |    |   |                     |     |   |                 |    |   | Short list of candidate site for MPA in Bootless Bay   | 2016 Nov  | Preliminary discussions were held with CEPA including other relevant stakeholders such as NFA, UPNG, CPA etc. for MPA establishment at Bootless Bay     Bootless Bay area was selected as the target site for establishing MPA (Oct. 2015)     Short list of candidate site for MPA in Bootless Bay was prepared (Nov. 11, 2016)   | - Proposed MPA site needs to<br>confirmed<br>- CEPA needs to be conflident<br>preference and communicate with key stakeholders for the p<br>the Bootless Bay   |

|   | Plan           | 20 | 15<br><b>IV</b> |     | )16<br><b>II</b> | 107 T | <br>2017 | WZ | 7 | 2018 | <br>RF . | I I     | 2019 | w   w |   | 2020<br><b>II</b> | ш | W. | Milestones  | Major<br>Products   | Deadlines | Achievements   | Issues & Countermeasures   |
|---|----------------|----|-----------------|-----|------------------|-------|----------|----|---|------|----------|---------|------|-------|---|-------------------|---|----|---|---|-----------|--|--|
|   |                |    |                 |     | 7 8 9 10         |       | 6 7 8 9  |    |   |      |          | 2 3 4 5 |      |       |   | 5 6 7             |   |    |   |   |           |  |  |
| - Conduct candidate site assessment (feasibility study)   |                |    |                 |     |                  |       |          |    |   |      |          |         |      |       |   |                   |   |    |   | '- Rapid Marine Biodiversity survey report  | 2018 Dec  | Conducted rapid Marine Biodiversity survey was conducted (Oct - Nov. 2016)     Rapid Marine Biodiversity Survey Report was prepared (Dec. 13, 2016)  |  |
| Consult with local governments and communities including customar landowners to seek potential for establishing new PA of either regional of 3.2.1 Consult with stakeholders and analyze on their needs and | Plan Plan      |    |                 |     |                  |       |          |    |   |      |          |         |      |       |   |                   |   |    |   |   |           |  |  |
| expectation.  |                |    |                 | 111 |                  |       |          |    |   |      |          |         | 1    |       | Н |                   |   | H  |   |   |           |  |  |
| - Identify and approach possible partner to establish MPA in Bootless<br>Bay  |                |    |                 |     |                  |       |          |    |   |      |          |         |      |       |   |                   |   |    | - Meeting memos   | - Inauguration ceremony report  | 2017 Mar  | - Meeting memo for visiting Central Papua Conference to invite BBMCI was prepared (Aug. 01, 2016)  - Meeting memo for visiting University of Papua New Guinea to invite BBMCI was prepared (Aug. 3, 2016)  - Visited Motupore island to check the facilities (Aug. 9, 2017)  - Weeting memo for visiting Central Provincial Government to invite BBMCI was prepared (Aug. 11, 2016)  - Meeting memo for visiting Hirl LLG to invite BBMCI was prepared (Aug. 11, 2016)  - Meeting memo for visiting Hollonal Capital District Committee to invite BBMCI was prepared (Aug. 11, 2016)  - Inauguration ceremony report was prepared (Oct. 24, 2016)  - Meeting report of Mr. Daroa, Tubuseria community to collect information and to invite BBMCI was prepared (Nov. 22, 2016)  - Letter for assistance toward its martine environment protection and conservation initiative from Pacific Energy was submitted to CEPA (Dec. 8, 2016)  - Meeting report for visiting Tubuseria visiting Pari women's group to invite BBMCI was prepared (Mar. 3, 2017)   | )<br>is  |
| Promote collaborative activities among communities and other stakeholders.  |                |    |                 |     |                  |       |          |    |   |      |          |         |      |       |   |                   |   |    | - Coastal clean-up event program  | - Coastal clean-up event and 1st meeting of BBMCI report  | 2017 Apr. | - Coastal clean-up event program was drafted (Mar 21, 2017) - Coastal clean-up event program was prepared (April 7, 2017) - Coastal clean-up event at Tubuseria was carried out (Apr. 13, 2017) Coastal clean-up event and 1st meeting of BBMCI report was prepared (Apr. 24, 2017).   |  |
| 3.2.2 Create Protected Area Advisory Working Group (Bootless Bay Marine Conservation Initiative).   | Plan<br>Actual |    | +               | +   |                  |       |          |    |   |      |          |         |      |       |   |                   |   |    |   |   |           |  |  |
| - Establish network as Bootless Bay Marine Conservation Initiative  |                |    |                 |     |                  |       |          |    |   |      |          |         |      |       |   |                   |   |    | - Letter of "express of interest" - Letter of acceptance by MD, CEPA - BBMCI formulation report - BBMCI by-law - BBMCI structure - BBMCI logo   | -1st BBMCI formulation report<br>-2nd BBMCI formulation report  | 2017 Sep  | BBMCI working arrangement was prepared (Nov. 15, 2016).  Letter of "Eol" from 15 parties were received (Mar. 30, 2017).  First BBMCI formulation report was prepared. (Mar. 31, 2017)  First BBMCI formulation report was prepared. (Mar. 31, 2017)  **Payl-and v BBMCI was drafted, (Apr. 7, 2017)  **Acceptance letters were sent to 15 parties of BBMCI (Apr. 12, 2017)  **Cell" from the DMC ECNTER was submitted to CEPA (Apr. 18, 2017).  **BBMCI by-law and BBMCI structure were prepared. (Apr. 19, 2017).  **Letter of "express of interest" from Central Province (May 10, 2017)  **Zend BBMCI formulation report was prepared (Sep. 6, 2017)  **Letter of "express of interest" from Early are law 18, 2018)  **Acceptance letter was sent to Tahira Farm (Jan. 25, 2018)  **Manus Island and Ahus Island Field visit report was prepared (Mar. 22, 2018)   | - Confirmation letter will send from CEPA to member of the network Vagi or Bernard will be assign as general manager of the network Job prepare operation plan of the network. |
| Conduct workshop and meeting to promote Bootless Bay<br>Conservation Initiative and particular MPA sub-project.   |                |    |                 |     |                  |       |          |    |   |      |          |         |      |       |   |                   |   |    | - Inception workshop program 1st BBMCI meeting program - 2nd BBMC meeting program - 3rd BBMCI meeting program - 4th BBMCI meeting program - 5th BBMCI meeting program - 6th BBMCI meeting program - 7th BBMCI meeting program - 8th BBMCI meeting program - 3rd BBMCI workshop program - 3rd BBMCI workshop program - 9th BBMCI vorkshop program - 9th BBMCI vorkshop program | - Inception Workshop report - 2nd Workshop report - 2nd Workshop report - Coastal clean-up event and 1st meeting of BBMCI report - 2nd BBMCI meeting memo - 3rd BBMCI meeting memo - Report on the Launching of CEPA- UPMG on "Marine Protected Area in Tahira and Motupore Island and 4th BBMCI meeting - 5th BBMCI meeting report - 5th BBMCI meeting report - 7th BBMCI meeting report - 8th BBMCI meeting report - 8th BBMCI meeting report - 3rd BBMCI workshop report - 9th BBMCI workshop report - 9th BBMCI / 1st BBNMS WG meeting report | 2017 Jun. | Inception Workshop report was prepared (Aug 24, 2016).  - 2nd Marine workshop was held. (Jan 31, 2017)  - 2nd Workshop report was prepared(Mar 1, 2017).  - 2nd BMCI meetling memo was prepared (Apr. 28, 2017).  - 3rd BBMCI meetling memo was prepared (Apr. 28, 2017).  - 3rd BBMCI meetling memo was prepared (Jan. 28, 2017).  - 3rd BBMCI meetling memo was prepared (Jan. 28, 2017).  - CEPA-UPNG MoU and 4th BBMCI meetling was held. (Jul. 25, 2017).  - CEPA-UPNG MoU and 4th BBMCI meetling was prepared (Sep. 4, 2017).  - 5th BBMCI meetling report was prepared (Apr. 2018).  - 5th BBMCI meetling report was prepared (Apr. 2018).  - 5th BBMCI meetling report was prepared (Mar 6, 2019).  - 5th BBMCI meetling vas carried out (Sep. 2, 2019).  - 3rd BBMCI workshop was carried out (Nov. 15, 2019).  - 3rd BBMCI workshop was carried out (Nov. 15, 2019).  - 3rd BBMCI workshop was carried out (Nov. 24, 2019).  - 3rd BBMCI workshop was scraided out (Nov. 24, 2019).  - 3rd BBMCI workshop was Sarried out (Nov. 24, 2019).  - 3rd BBMCI workshop was Sarried was prepared (Nov. 24, 2019).  - 3rd BBMCI workshop was Sarried was prepared (Nov. 24, 2019).  - 3rd BBMCI workshop was Sarried was prepared (Nov. 24, 2019).  - 3rd BBMCI workshop was Sarried was prepared (Nov. 24, 2019).  - 3rd BBMCI workshop was Sarried was prepared (Nov. 24, 2019).  - 3rd BBMCI workshop was Sarried was prepared (Nov. 24, 2019).  - 3rd BBMCI workshop was Sarried was prepared (Nov. 24, 2019). |  |
| - Develop a MoUs among institutions and other stakeholders to promote collaborative works for MPA establishment.  |                |    |                 |     |                  |       |          |    |   |      |          |         |      |       |   |                   |   |    | - Draft MoU   | - MoU between UPNG and CEPA<br>- MoU between Tahira Farm and CEPA<br>- MoU between Central Papua<br>Conference and CEPA<br>- MoU between Central Province<br>Gorventment and CEPA   | 2017 Jun. | - Meelings with Central Papua Conference (CPC) for establishing MPA were held from April to Oct 2016.  * Meetings with CPC for Work Plan to be attached to MoU from May to Oct 2016 - Series of meetings with UPNC for and MoU were held from June 2016 to July 2017.  * Bootless Bay Intel joint observation was conducted by (UPNG (5p), CPC (1p), CEPA.JICA (5p) on 9 Aug 2016 and prepared the report. (Aug 15, 2016).  * MoU between UPNG and CEPA was drafted (Dec. 12, 2016).  * MoU between UPNG and CEPA was signed (Jun. 25, 2017).  * MoU between Tahirs Farm and CEPA was signed (Jun. 25, 2018).  * MoU between CPC and CEPA was signed (Jun. 25, 2018).  * Conducted joint observation trip to proposed mangrove protected site at - Drafted MoU between Central Province Government and CEPA Jun. 21, 2019).  * Series of meetings with Central Province Government and CEPA was signed. (Aug. 9, 2019).  * MoU between Central Province Government and CEPA was signed. (Aug. 9, 2019).  | - MoU needs to be finalized and accepte by all parties (CEPA, UPNG and CPC)  |

|   | Plan<br>Actual | 2015     | IV | <br>2016 | IV | ı I п | 2017 | IV | I | 2018<br><b>II</b> | I | <br>2019 | IV | I | <br>20 <b>III IV</b> | Milestones                     | Major<br>Products                | Deadlines | Achievements   | Issues & Countermeasures |
|---|----------------|----------|----|----------|----|-------|------|----|---|-------------------|---|----------|----|---|----------------------|--------------------------------|----------------------------------|-----------|--|--------------------------|
| - Set up working group between CEPA and UPNG to establish MF by conservation easement under BBMCI                     | 8              | 7 8 9 10 |    |          |    |       |      |    |   |                   |   |          |    |   | <br>m                |                                | - Draft of conservation easement | 2019 June | - 1st UPNG-CEPA working group meeting for MoU, work plan and signboard was held and the report was prepared. (May 1, 2017) - 2nd UPNG-CEPA WG meeting for MoU was held and the report was prepared (Jun 28, 2017) - 3rd UPNG-CEPA WG meeting for MoU and work plan was held and the report was prepared. (Jul 5, 2017) - Workplan between UPNG and CEPA was finalized (Jul 7, 2017) - Workplan between UPNG and CEPA was finalized (Jul 7, 2017) - Workplan between UPNG and CEPA was finalized (Jul 7, 2017) - Workplan between UPNG and CEPA was finalized (Jul 7, 2017) - Workplan between UPNG and CEPA was finalized (Jul 7, 2017) - Workplan between UPNG and proper was prepared (Jul 12, 2017) - Shu PNG-CEPA WG meeting for sundary of UPNG lands was held and the report was prepared (Jul 26, 2017) - 6h UPNG-CEPA WG meeting for marine biodiversity survey was held and the report was prepared (Aug 31, 2017) - 7h UPNG-CEPA WG meeting for marine biodiversity survey was held and the report was prepared (Oct 16, 2017) - 8h UPNG-CEPA WG meeting for marine biodiversity survey was held and the report was prepared (Oct 16, 2017) - 10h UPNG-CEPA WG meeting for contract of marine biodiversity survey was held and the report was prepared (Mov 21, 2017) - 11h UPNG-CEPA WG meeting for contract of marine biodiversity survey was held and the report was prepared (Jun 2, 2018) - 11h UPNG-CEPA WG meeting for sharing information on research in Bootless Bay by master student was held and the report was prepared (Jun 2, 2018) - 12h UPNG-CEPA WG meeting for progress of field survey was held and the report was prepared (Jun 2, 2018) - 13th UPNG-CEPA WG meeting for progress of field survey was held and the report was prepared (Jun 2, 2018) - 13th UPNG-CEPA WG meeting for progress of field survey was held and the report was prepared (Jun 2, 2018) - 13th UPNG-CEPA WG meeting for progress of field survey was held and the report was prepared (Jun 2, 2018) - 13th UPNG-CEPA WG meeting for progress of field survey was held and the report was prepared (Jun 2, 2018) - 13th |                          |
| - Set up working group between CEPA and Central Papua Confer<br>to establish MPA by conservation easement under BBMCI | ence           |          |    |          |    |       |      |    |   |                   |   |          |    |   |                      | - Meeting memos<br>- Work plan | - Conservation easement          | 2019 June | CPC-CEPA work plan was drafted. (Feb. 26, 2018)  1st CPC-CEPA working group meeting for establishing workplan was held and the report was prepared. (Aug 24, 2018)  CPC-CEPA work plan was finalized. (Aug 24, 2018)  2nd CPC-CEPA WG meeting was held and the report was prepared Oct 31, 2018)  3rd CPC-CEPA WG meeting for zoning was held and the report was prepared. (Dec 10, 2018)  4th CPC-CEPA WG meeting for conservation easement was held and the report was prepared (Apr 2, 2019)  5th CPC-CEPA WG meeting for conservation easement and NEC submission of Bootless Bay National Marine Sanctuary was held and the report was prepared (May 9, 2019)  Conservation easement for Bautama CPC land was drafted (May 10, 2019)  6th CPC-CEPA WG meeting for conservation easement and zoning and conservation easement was held and the report was prepared (May 9, 2019)  7 A letter for the State Solicitor to have comments on the conservation easements for CEPA was submittled (May 15, 2019)  Received clearance from State Solicitor to progress conservation easement with partner organizations. (June 11, 2020)  Formalized the agreement on Conservation Easement between CEPA and CPC in Aug 2020.   |                          |
| - Set up working group between CEPA and Tahira Farm to establi<br>MPA by conservation easement under BBMCI            | sh             |          |    |          |    |       |      |    |   |                   |   |          |    |   |                      | - Meeting memos<br>- Work plan | - Draft of conservation easement | 2019 June | - Work plan between Tahira Farm and CEPA was prepared (Dec 4, 2017) - 1st Tahira Farm-CEPA working group meeting for MoU and work plan was held and the report was prepared. (Dec 4, 2017) - 2nd Tahira Farm-CEPA WG meeting for MoU and work plan was held and the report was prepared (Jan 14, 2018) - 3rd Tahira Farm-CEPA WG meeting for MoU and work plan was held and the report was prepared. (Jan 15, 2019) - Workplan of MoU between Tahira Farm and CEPA was agreed (Jan 25, 2018) - Joint Sile Observation in Tahira Farm was carried out (Feb. 25, 2018) - Joint Sile Observation in Tahira Farm was carried out (Feb. 25, 2018) - Sin Tahira Farm-CEPA wG meeting for zoning was held and the report was prepared (Nov 2, 2018) - Sin Tahira Farm-CEPA wG meeting for PA class & PA criteria was held and the report was prepared (Dec 4, 2018) - Drafted Conservation easement for Tahira Farm (May 8, 2019) - 7th Tahira Farm-CEPA wG meeting for zoning & conservation easement was held and the report was prepared (Jean 13, 2019) - 7th Tahira Farm-CEPA wG meeting for zoning & conservation easement was held and the report was prepared (Jean 13, 2019) - 7th Tahira Farm-CEPA wG meeting for zoning & conservation easement was held and the report was prepared (Jean 13, 2019) - 7th Tahira Farm-CEPA wG meeting for zoning & conservation easement was drafted (Mar 5, 2019) - 8th Tahira Farm-CEPA wG meeting for conservation easement was held and the report was prepared. (Febil 7, 2019)  |                          |

|  | Plan<br>Actual 1                        | 2015<br>III I | 7 I    |         | 2016  | IV         | I     | 201<br><b>II</b> | 17<br><b>II</b> | IV       | I     | 201<br><b>II</b> |         | IV        | I   | 201<br><b>II</b> |       | IV       | I |     | 2020 | IV.                                     | Milestones   | Major<br>Products  | Deadlines  | Achievements  | Issues & Countermeasures |
|--|---|---------------|--------|---------|-------|------------|-------|------------------|-----------------|----------|-------|------------------|---------|-----------|-----|------------------|-------|----------|---|-----|------|---|--|--|------------|---|--------------------------|
|  | 6 7                                     | 8 9 10 1      | 12 1 2 | 3 4 5 5 | 6 7 8 | 9 10 11 12 | 1 2 3 | 4 5 6            | 7 8 9           | 10 11 12 | 1 2 3 | 4 5 6            | 7 8 9 1 | E 11 12 1 | 2 3 | 4 5 6            | 7 8 9 | 10:11:12 |   | 4 5 |      | 100 110 110 110 110 110 110 110 110 110 | 2  |  |            | report was prepared (May 13, 2019)  - A letter for the State Publis Solicitor to have comments on the conservation easements for CEPA was submitted (May 15, 2019)  - 9th Tahira Farm-CEPA WG meetling for conservation easement was held and the report was prepared (Jun 18, 2019)  - 10th Tahira Farm-CEPA WG meeting for conservation easement was held (Feb. 25, 2020)  - 11th Tahira Farm-CEPA WG meeting for conservation easement was held (June. 10, 2020)  - 12th Tahira Farm-CEPA WG meeting for conservation easement was held (June. 10, 2020)  - 12th Tahira Farm-CEPA WG meeting for conservation easement was held (June. 24, 2020)  - Tahira Farm needs approval for signing easement by his families who live in COVID 19, the project prepared a consent letter for the family. However, because of the COVID 19, the project could not get the signed letter. After consultation with CEPA the coordination with Tahira Farm on the conservation easement will be taken over by the CEPA marine team. |                          |
| - Set up work plan between CEPA and Central Province Government to establish MPA   | 000000000000000000000000000000000000000 |               |        |         |       |            |       |                  |                 |          |       |                  |         |           |     |                  |       |          |   |     |      |   | - Meeting memos<br>- Work plan                           | - Draft of conservation easement   | 2019 June  | - Work plan between CPG and CEPA was drafted (Feb.15, 2019) - Work plan between CPG and CEPA was revised (May 15, 2019) - Work plan between CPG and CEPA was finalized. (Aug. 9, 2019)  |                          |
| - Set up working group for Bootless Bay National Marine Sanctuary  |   |               |        |         |       |            |       |                  |                 |          |       |                  |         |           |     |                  |       |          |   |     |      |   |  | - ToR of BBNMS working group<br>- Report on on establishing BBNMS<br>working group, public consulatation and<br>BBNMS proposal | 2019 Dec   | TOR of Booliess Bay National Marine Sanctuary Working Group was drafted (May 2, 2019)  - BBNMS PAAWG member list was endorsed by Ms. Kay and Mr. Bernard, CEPA (June 30, 2019)  - BBNMS working group ToR was shared to BBMCI member in 8th BBMCI meeting (Sep. 2, 2019)  - BBNMS working group ToR was approved by working group member (Nov. 14, 2019)  - Report on establishing WG, public consultation and approval of BBNMS proposal was prepared (Nov. 18, 2019)  |                          |
| - Organize a kick-off meeting and select a chairperson of Bootless Ba<br>National Marine Sanctuary Working Group   | y                                       |               |        |         |       |            |       |                  |                 |          |       |                  |         |           |     |                  |       |          |   |     |      |   |  | - Working group member list  | 2019 Decl. | - Kick-off meeting of BBNMS WG meeting was held (Feb. 6, 2020)  |                          |
| 3.2.3 Decide PA type, plan, methodology and necessary steps for the establishment.   | Plan<br>Actual                          |               |        |         |       |            |       |                  |                 |          |       |                  |         |           |     |                  |       |          |   |     |      |   |  |  |            |   |                          |
| - Confirm MPA boundary   |   |               |        |         |       |            |       |                  |                 |          |       |                  |         |           |     |                  |       |          |   |     |      |   |  | - MPA boundary map<br>- Joint Site Observation Report  | 2017 Oct.  | - CPC land boundary was shared with CEPA (Jul. 5, 2016) UPNG land boundary was shared with CEPA (Jul. 5, 2017) Tahira farm land boundary which is registered in cadastral map was obtained and analyzed (Oct. 25, 2017) Land lease document of Tahira Farm was shared with CEPA (Jan. 25, 2018) - Mirigega, Central Province Government land boundary map was shared with CEPA (May. 7, 2019)   |                          |
| Organize meetings with BBMCI to build a consensus on PA type, plan methodology and necessary steps for the establishment.  |   |               |        |         |       |            |       |                  |                 |          |       |                  |         |           |     |                  |       |          |   |     |      |   |  | - Meeting report   | 2019 Sep.  | PA type, criteria, with methodology was shared with BBMCI members in 8th BBMCI meeting (Sep. 2, 2019)     PA proposal for Bootless Bay National Marine Sanctuary was discussed and finalized (Nov. 22, 2019)  |                          |
| 3.3 Develop a proposal for a new marine PA with conducting natural and cultural value assessment, social mapping and public consultation.     3.3.1 Consult and prepare Conservation and Benefit Sharing Agreement (CBSA) with communities. (Deed) |   |               |        |         |       |            |       |                  |                 |          |       | Ш                |         |           |     |                  |       |          |   |     |      |   |  |  |            |   |                          |
| Prepare conservation deed as consensus among communities for MPA establishment.  |   |               |        |         |       |            |       |                  |                 |          |       |                  |         |           |     |                  |       |          |   |     |      |   | - Draft contents of MPA deed<br>- Draft TOR for MPA deed |  | 2018 May   | - Contents of Conservation Deed was discussed (Mar. 13, 2018)<br>- ToR for Conservation Deed was drafted. (Mar. 25, 2018)<br>- Conservation Deed was drafted. (Aug. 28, 2018)   |                          |
| 3.3.2 Prepare 1st draft proposal for MPA.  | Plan<br>Actual                          |               |        |         |       |            |       |                  |                 |          |       |                  |         |           |     |                  |       |          |   |     |      |   |  |  |            |   |                          |
| - Prepare MPA application form   |   |               |        |         |       |            |       |                  |                 |          |       |                  |         |           |     |                  |       |          |   |     |      |   |  | Form of letter Expression of interest<br>Form of PA application  | 2018 Dec.  | Protected Area application form was drafted (Mar.7, 2019) Drafted form of letter of expression of interest for establishing PA (Mar.12, 2019) Form of PA application was finalized (Sep. 2, 2019) Form of letter of expression of interest for establishing PA was finalized (Sep. 2, 2019)   |                          |
| - Prepare the proposal   |   |               |        |         |       |            |       |                  |                 |          |       |                  |         |           |     |                  |       |          |   |     |      |   |  |  | 2018 Jun.  | Protected Area proposal for Bootless Bay National Marine Sanctuary was drafted (May 24, 2019) PA proposal for Bootless Bay National Marine Sanctuary was finalized by CEPA-JICA project (Aug. 30, 2019) PA proposal for Bootless Bay National Marine Sanctuary was shared to expected PAAWG members (Sep 2, 2019) Bootless Bay National Marine Sanctuary Proposal was reviewed and finalized by BRMMS WG and communities (Nov. 22, 2019)  |                          |
| - Have the draft reviewed by PAAWG and other stakeholders  |   |               |        |         |       |            |       |                  |                 |          |       |                  |         |           |     |                  |       |          |   |     |      |   |  | - 1st Draft  | 2018 Dec.  | PA proposal for Bootless Bay National Marine Sanctuary was shared to expected PAAWG members (Sep. 2, 2019)     Bootless Bay National Marine Sanctuary Proposal was reviewed and finalized by BBNMS WG and communities (Nov. 22, 2019)   |                          |
| - Identify the key issues and solutions about MPA management<br>(conduct necessary survey for proposal preparation)  |   |               |        |         |       |            |       |                  |                 |          |       |                  |         |           |     |                  |       |          |   |     |      |   | - Tor  | - Inception Report<br>- Final Report   | 2019 Dec.  | eBlodiversity Survey> * Contract document of biodiversity survey was signed (Jan. 12, 2018) * Inception report of biodiversity survey was accepted (Jan. 15, 2018) * Inlemir report of biodiversity survey was accepted (Mar. 1, 2018) * Marine Biodiversity Monitoring Manual was prepared (April 30, 2018) * Final report of biodiversity survey was accepted (Apr. 30 2018) * Socioeconomic Survey> * The ToR for Social mapping and socio economic survey in Bootless Bay Marine Sanctuary Area was prepared (May 18, 2019) * The contract with sob-contractor was signed (Jun. 10, 2019) * The inception report was submitted. (Jul. 5, 2019) * Inception report was accepted (Jul 31, 2019) * The contract period was amended (Sep. 9, 2019) * The traft of final report was approved by CEPA-JICA project (Nov. 30, 2019) * The final report was approved by CEPA-JICA project (Jan. 31, 2020)   |                          |
| 3.3.3 Conduct public consultation meeting on the proposal.   | Plan<br>Actual                          |               |        |         |       |            |       |                  |                 |          |       |                  |         |           |     |                  |       |          |   |     |      |   |  | Consultation report  |            |   |                          |
| - Prepare a presentation material for public consultation meeting  | 100000                                  |               |        |         |       |            |       |                  |                 |          |       |                  |         |           |     |                  |       |          |   |     |      |   |  | - Presentation   | 2019 Feb.  | - Presentation for public consultation was prepared. (Sep. 1, 2019)   |                          |

|                                |  | Plan<br>Actual | ш   | )15<br><b>IV</b> |        |       |       | ш        |          |       | 2017    |         |        | I     |       |         |        | I     |         |          |       | 202<br><b>II</b> | П     |             | Milestones  | Major<br>Products                        | Deadlines | Achievements   | Issues & Countermeasures |
|--------------------------------|--|----------------|-----|------------------|--------|-------|-------|----------|----------|-------|---------|---------|--------|-------|-------|---------|--------|-------|---------|----------|-------|------------------|-------|-------------|---|--|-----------|--|--------------------------|
| - Organize p                   | public consultation meeting  | 6              | 7 8 | 7 (0:11          | 12 1 2 | z 5 4 | 3 6 7 | 8 9 10 1 | 1 12 1 2 | 3 4 5 | 6 7 8   | 9 10 11 | 12 1 2 | 3 4 5 | 0 / 8 | 9 10:11 | 12 1 2 | 3 4 5 | , , 8 6 | 10:11:12 | 1 2 3 | 4 5 6            | , 8 9 | iu, III, 12 |   |  | 2019 Feb. | -The program for public consultation meeting was prepared (Sep. 1, 2019) - The public consultation meeting program as 3rd BBMCI workshop was revised (Nov. 6, 2019)  |                          |
| - Receive pı                   | public comments and give feedback  |                |     |                  |        |       |       |          |          |       |         |         |        |       |       |         |        |       |         |          |       |                  |       |             |   | - Public consultation report             | 2019 Feb. | - Public consultation meeting on the PA proposal was held (Nov. 15, 2019)<br>- Public comments were reflected it to PA proposal (Nov. 22, 2019)  |                          |
| 3.3.4 Finaliz                  | ze the proposal for MPA establishment.   | Plan<br>Actual |     |                  |        |       |       |          |          |       |         |         |        |       |       |         |        |       |         |          |       |                  |       |             |   |  |           |  |                          |
| - Finalize the                 | ne proposal based on the results of public consultation  |                |     |                  |        |       |       |          |          |       |         |         |        |       |       |         |        |       |         |          |       |                  |       |             |   | - Finalized proposal                     | 2019 Mar. | - Protected Area Proposal for Bootless Bay National Marine Sanctuary was finalized. (Nov. 22, 2019)  |                          |
| /National Protect              | ith Regional Protected Area Round Table (RPART)<br>ected Area Round Table (NPART) and local/national<br>to be endorsed with the official procedure for gazetting the | Plan<br>Actual |     |                  |        |       |       |          |          |       |         |         |        |       |       |         |        |       |         |          |       |                  |       |             |   |  |           |  |                          |
|                                | fy and organise endorsement body for new MPA proposal.   | Plan           |     |                  |        |       |       |          |          |       |         |         |        |       |       |         |        |       |         |          |       |                  |       |             | =   |  | 2020 Feb. |  |                          |
|                                | ng interim endorsement body which are consisted of<br>National Protected Area Round Table (NPART) members  | i.             |     |                  |        |       |       |          |          |       |         |         |        |       |       |         |        |       |         |          |       |                  |       |             | - Letter of "express of interest"<br>- Letter of acceptance by MD, CEPA<br>- BBMCI formulation report<br>- BBMCI by-law | -1st BBMCI formulation report            | 2017 Sep  | - BBMCI working arrangement was prepared (Nov. 15, 2016) Letter "express of interest" was drafted (Nov. 15, 2016) Letter of "Eol" from 15 parties were received (Mar. 30, 2017) First BBMCI formulation report was prepared. (Mar. 31, 2017) - By-law of BBMCI was drafted. (Apr. 7, 2017) - Acceptance letters were sent to 15 parties of BBMCI (Apr. 12, 2017)   |                          |
| - Establishin,<br>see Output 1 | ng National Protected Area Round Table (NPART) (Please<br>1, 1.1.3)  | į.             |     |                  |        |       |       |          |          |       |         |         |        |       |       |         |        |       |         |          |       |                  |       |             |   |  |           | - Drafted Terms of Reference for NPART (Mar 2019) - Prepared brief to MD for establishing NPART along with the list of candidates (Oct. 2019) - Prepared draft call for expression of interests to be NPART member (Nov. 2019) - Officially made request, and received acceptance from candidate of NPART members (Jan. 2020) - Interim NPART was established. (Feb. 2020) - Have coordinated and prepared the second NPART meeting, however after consultation with CEPA, in view of COVID-19 situation the NPART meeting will be condicuted by the CEPA marine team after project completion(Nov BX802020).  |                          |
| 3.4.2 Assist proposal.         | t NPART or interim endorsement body for assessing the  | Plan           |     |                  |        |       |       |          |          |       |         |         |        |       |       |         |        |       |         |          |       |                  |       |             |   |  |           |  |                          |
|                                | h state solicitors office and land department for<br>int of conservation easement in target private land.  |                |     |                  |        |       |       |          |          |       |         |         |        |       |       |         |        |       |         |          |       |                  |       |             |   | Letter from State Solicitor office       | 2019 Jun. | - A letter for Minister of Land Department for leased land by Tahira Farm was drafted (Mar. 5, 2019) - A letter for the State Solicitor to have comments on the conservation easements for CEPA was submitted (May 15, 2019) - A letter for the State Solicitors' Office for their legal clearance (Jun 2019) - Submitted the proposal for to the State Solicitors' Office for their legal clearance (Jun 2019) - A letter with advice from Land Department was sent to MD (Jul 9, 2019) - State solicitor recommended to visit Department of Land and Physical Planning (Jan. 23, 2020) - Department of Land and Physical Planning approved signing of conservation easement. (Jan. 28, 2020) - Received clearance from State Solicitor (June 11, 2020)   |                          |
|                                | r endorsement of Bootless Bay as a marine protected area<br>larine Sanctuary) (Please see Output 1, 1.1.5)   |                |     |                  |        |       |       |          |          |       |         |         |        |       |       |         |        |       |         |          |       |                  |       |             | - Finalizing Policy Submission Paper for CEPA to subm<br>NEC  | i - Finalized and submitted Policy Paper | 2019 Nov. | Drafted Policy Submission for National Executive Council (NEC) submission on Bootless Bay National Marine Sanctuary (May 2019)  - Submitted the proposal for the BBNMS declaration to the State Solicitors' Office for their legal clearance (Jun 2019)  - Drafted Information Paper to MD and Minister for circulation in NEC (Sept 2019)  - Incorporation of comments from State Solicitor on the NEC Policy Submission. (Oct 2019)  - Information Paper was signed by Minister (Nov 2019)  - Prepared copy of Information Paper for NEC (Dec 2019)  - Obtained letter for legal clearance for the NEC submission for BBNMS declaration from the State Solicitor office. Made official response to the office (Dec 2019)  - Project emprevisited the State Solicitor Office to clarify the contents of their comment. (Jan. 23, 2020)  - CEPA-JICA project completed and submitted documents to Kay for final confirmation. (May 19, 2020)  - Kay confirmed the documents. NEC Policy submission is ready for Minister's signing. (May 28, 2020)  - All documents were delivered to the Minister through MD for signing (May 29, 2020)  - MD directed the NEC submission to Maino (June 17, 2020)  - Yvonne proposed to request the Minister to declare the BBNMS as an Interim Protection Zone based on Maritime Zone Act, 2015 (June 19, 2020)  - Information paper for the NEC submission was changed (June 26, 2020)  - Information a final approval form MD, and the proposal was to be presented to the Minister (October 2020).  - Confirmed the formal procedure for applying for a new protected area with CEPA, NFA, the state government, etc., and have continued to make adjustments to submit the proposal prapared on that basis. However, due to the political reform in November 2020, it became necessary to reset the schedule of the cabinet meeting to submit the proposal and it became uncertain that the project would be completed by the end of the year 2020. As a result of discussions with CEPA, this activity will be taken over by the CEPA marine team and will be implemented after the pr |                          |
|                                |  | Plan           |     | +                | +      | +++   | +++   | +++      |          |       |         |         | H      |       |       |         | +      |       |         |          |       |                  |       |             | 1   |  |           |  |                          |
| 3.5 Prepare the                | ne management plan for the new PA.   | Actual         |     |                  | - 1    | 8 8   | 1 1   | - 1 -    |          | :   : | 3   3 3 | 3 3     | :   :  | 8 8   | 1 1   |         | 1 1    |       |         |          |       |                  |       |             |   |  |           |  |                          |

|  | Plan<br>Actual | ш   |           | I       | п     | 2016    |           |          | п                                       |       |          | I       |   | ш      |         | I     |       | ш      |         |       | 20<br><b>I</b>                          | ш     |          | Milestones   | Major<br>Products  | Deadlines | Achievements   | Issues & Countermeasures |
|--|----------------|-----|-----------|---------|-------|---------|-----------|----------|---|-------|----------|---------|---|--------|---------|-------|-------|--------|---------|-------|---|-------|----------|--|--|-----------|--|--------------------------|
| - Identify and propose individuals to be Protected Area Management Committee (PAMC).   |                | 7 8 | 9 10 11 1 | 2 1 2 3 | 3 4 5 | 6 7 8 5 | 9 10 11 1 | 12 1 2 3 | 3 4 5 6                                 | 7 8 9 | 10 11 12 | 1 2 3 4 | 5 6 7                                   | 8 9 10 | 11 12 1 | 2 3 4 | 5 6 7 | 8 9 10 | 11 12 1 | 2 3 4 | 5 6                                     | 7 8 9 | 10 11 12 | -Preparing draft ToR of PAMC   | Draft ToR of PAMC  | 2019 Dec  | -Terms of Reference for BBNMS management committee was drafted. (2019 Sep) - BBNMS management committee members were discussed, identified and proposed by 3rd BBMCI workshop (Nov. 14, 2019) - BBNMS management committee member was approved by BBNMS working group (Feb. 6, 2020)   |                          |
| <ul> <li>Assist secretariat /CEPA for PAMC meeting, including preparation<br/>and sending invitation letter, preparation of agenda and presentation<br/>materials, booking venue, etc</li> </ul> |                |     |           |         |       |         |           |          | *************************************** |       |          |         | *************************************** |        |         |       |       |        |         |       | *************************************** |       |          | - Preparing draft program and presentation materials                       | Draft program  | 2020 Jan  |  |                          |
| - Assist to hold the preliminary PAMC meeting  |                |     |           |         |       |         |           |          |   |       |          |         |   |        |         |       |       |        |         |       |   |       |          |  | - Meeting note   | 2019 Oct  | - 1st Bootless Bay National Management Committee was held on 13th March 2020 (Mar. 13, 2020) - Special meeting for Bootless Bay National Marine Sanctuary was held on 15th Jul. 2020. (Jul. 15, 2020)  |                          |
| 3.5.2 Prepare PA Management Plan.  | Plan<br>Actual |     |           |         |       |         |           |          |   |       |          |         |   |        |         |       |       |        |         |       | _                                       |       |          | - Final endorsement of the Management Plan by all partners and communities |  |           |  |                          |
| - Clarify objective of management plan in each MPA   |                |     |           |         |       |         |           |          |   |       |          |         |   |        |         |       |       |        |         |       |   |       |          | - Draft of management plan   | - Management plan  | 2020 Mar  | - The objective of Bootless Bay National Marine Sanctuary Management Plan was draffed (Nov. 14, 2019) - The objective of Bootless Bay National Marine Sanctuary Management Plan was finalized (Jan 21, 2020)   |                          |
| Prepare the management plan including monitoring and feedback mechanism  |                |     |           |         |       |         |           |          |   |       |          |         |   |        |         |       |       |        |         |       |   |       |          |  | - MPA management plan  | 2020 Mar  | - Meeling with National Fisheries Authority was held and get information on regulation of Bootless Bay (May 17, 2019) - The Toft for local consultant to prepare to BBNMS Management Plan was prepared (Aug. 23, 2019) - The contract with local consultant was signed (Aug. 26, 2019) - Bootless Bay National Marine Sanctuary Management Plan including monitoring and feedback was drafted (Nov. 15, 2019) - Draft of Bootless Bay National Marine Sanctuary Management Plan was finalized. (Jan 21, 2020) - The BBNMS management plan was shared with BBNMS management committee members. (Feb. 16, 2020) - 2nd draft of the management plan was circulated to the management committee members and the comments were reflected (June 1, 2020) - Approved the BBNMS management plan by the committee member (Jul. 15, 2020)  |                          |
| Hold a workshop with local communities to explain MPA management plan  |                |     |           |         |       |         |           |          |   |       |          |         |   |        |         |       |       |        |         |       |   |       |          | - Workshop program   | - Report   | 2019 Feb  | - 1st draft of Bootless Bay National Marine Sanctuary Management Plan was shared to local communities at the 3rd BBMCI workshop (15 Nov. 2019)   |                          |
| 3.6 Strengthen the management functions of the new PA in accordance with the management plan   | Plan           |     |           |         |       |         |           |          |   |       |          |         |   |        |         |       |       |        |         |       |   |       |          |  |  |           |  |                          |
| 3.6.1 Provide necessary support for managing the PA using the PA management Plan.  | Plan<br>Actual |     |           |         |       |         |           |          | 1 1                                     | 1 1   |          |         |   |        |         |       |       | - 1    |         |       |   |       |          |  |  |           |  |                          |
| Produce materials to support stakeholder engagement and partnership development  | 76664          |     |           |         |       |         |           |          |   |       |          |         |   |        |         |       |       |        |         |       |   |       |          |  | -T-shirts for coastal clean-up event<br>-Three signboards at Tubuseria<br>-Brochure for output 3<br>- Logo for BBMCI<br>- BBMCI banner<br>- Two signboards at Tahira UPNG land<br>and one signboard at Motupore Island<br>-Awareness materials | 2020 Apr. | Brochure for output 3 was prepared (May. 17, 2017).     Logo for BBMCI was prepared (Jun. 17, 2017).     BBMCI banner was prepared (Sep. 15, 2017).     Two kayaks were purchased for mangrove patrol (Jul. 30, 2018)  |                          |
| - Construct facility at Tahira for management of new MPA.  |                |     |           |         |       |         |           |          |   |       |          |         |   |        |         |       |       |        |         |       |   |       |          |  |  | 2020 Apr. | Contract for marine facility construction was signed (Dec 17, 2019) Contract for marine facility construction was amended (Jan. 20, 2020) Tahira Marine Station was constructed. (Feb 6, 2020) Installed two signboards at the Tahira Marine Station (June 11, 2020) Held a ceremony with participation of important actors including JICA's chief representative, handed over the Tahira Marine Station facilities to CEPA (Nov. 18, 2020)  |                          |
| - Produce materials to raise public awareness  |                |     |           |         |       |         |           |          |   |       |          |         |   |        |         |       |       |        |         |       |   |       |          |  | - Signboard at Tahira farm<br>- Mangrove protection signboard  | 2020 Apr. | Letter of permission to put up the project signboards in Tubuseria was submitted to CEPA (Mar. 8, 2017).  Acceptance letter of signboard setting up from Hir LLG (Mar. 29, 2017).  Three signboards at Tubuseria were installed (Apr. 13, 2017).  Two signboards at Tahira UPNG land and one signboard at Molupore Island were installed (Apr. 22, 2017).  A signboard at Tahira Tarm was installed. (Nov. 17, 2017).  Signboard design for mangrove protection was drafted. (Mar. 18, 2018).  Nine Mangrove protection signboards were set up in Tahira Farm (Apr. 2018).  A bird guide of Bootless Bay was drafted. (May 12, 2019).  A hamgrove guide of Bootless Bay was finalized (May 25, 2019).  The mangrove guide of Bootless Bay was finalized (May 25, 2019).  Oologies of mangrove identification guide was printed (Jun. 25, 2019).  A signboard design for MPA promotion was drafted (Jul. 26, 2019).  Designs of awareness materials such as 15 types of A3 poster and 6 types of canvas banner was prepared (Aug. 30, 2019).  The awareness materials for Bootless Bay National Marine Sanctuary, 15 types of A3 posters and 6 types of canvas banners were printed (Sep. 2019).  Five signboard of MPA promotion funded by CEPA was installed (15 Dec. 2019).  Five signboard of MPA promotion funded by CEPA was installed (15 Dec. 2019).  Five signboard of MPA promotion funded by CEPA was installed (15 Dec. 2019).  Installed two signboards in Dogura and one signboard in Gereka by CEPA's budget (May 20, 2020). |                          |

|                                   | Plan   | 2015       |           |       | 2016    |          |         | 2017  |          |          |         | 018   |            |         | 2019  |        |           |         | 2020    |          | Milestones  | Major  | Deadlines | Achievements   | Issues & Countermeasures |
|-----------------------------------|--------|------------|-----------|-------|---------|----------|---------|-------|----------|----------|---------|-------|------------|---------|-------|--------|-----------|---------|---------|----------|-------------|--|-----------|--|--------------------------|
|                                   | Actual | ш          | IV I      | I     | ш       | IV       | I       | I     | m r      | 7 I      | I       | ш     | IV         | I       | I     | ш 1    | IV I      | I I     | ш       | IV       | Willestones | Products   | Deduilles | Achievenienis  | issues & Countenneasures |
|                                   |        | 5 7 8 9 10 | 11 12 1 2 | 3 4 5 | 6 7 8 ' | 10 11 12 | 1 2 3 4 | 5 6 7 | 8 9 10 1 | 1 12 1 2 | 3 4 5 6 | 7 8 9 | 10: 11: 12 | 1 2 3 4 | 5 6 7 | 8 9 10 | 11 12 1 2 | 2 3 4 5 | 6 7 8 9 | 10 11 12 |             |  |           |  |                          |
| - Enhance public awareness on MPA |        |            |           |       |         |          |         |       |          |          |         |       |            |         |       |        |           |         |         |          |             | - Report on Beat Plastic Pollution<br>Initiative by CEPA | 2020 Apr  | Beat plastic pollution initiative by CEPA was supported (July 2018)  - Public awareness activity on MPA in Tubusereia Village on 10 October 2019 (Oct 10, 2019)  - Public awareness activity on MPA was held in Gereka Village on 12 October 2018 (Oct. 12, 2019)  - Public awareness activity on MPA was held in Moresby South Electorate on 15 October 2019 (Oct. 15, 2019)  - Public awareness activity on MPA was held in Joyce Bay on 16 October 2019 (Oct. 16, 2019)  - Public awareness activity on MPA was held in Gereka on 24 November 2019 (Nov. 24, 2019)  - Public awareness activity on MPA was held in Gereka on 24 November 2019 (Nov. 24, 2019)  - Report on promotion of MPA, BBNMS was prepared (Feb. 2, 2020)  - Held Coral Triangle Day event on June 12, 2020 and prepared the report on June 18, (June, 2020)  - Published summary of the Coral Triangle Day event on both Post Courier and National (June 12, 2020). |                          |

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

Ver. 2.12 Monitoring (as of December 12 2020) Deadlines Output 4: Public relations/awareness for biodiversity conservation is improved by disseminating project related information. 4.1 Develop strategy for public relations/awareness. 4.1.1 Define role of public relations/awareness for the project, assess Held series of meetings with C/P from Jul. to Oct. and defined role of public the capacity of CEPA, and identify challenges and objective of public ness for the project, assessed the capacity of CEPA, and identifie relations/awareness of the project. challenges and objective of public relations/awareness of the project. 4.1.2 Clarify objective of public relations/awareness activities, identify Held series of meetings with C/P from Jul. to Oct. to clarify objective of public relations/awareness activities and identify means, target and expected result of public relations/awareness by the project. eans, target and expected result of public relations/awareness by t project. - Developed the "Strategy for Public Relations/Awareness (draft)" and its "Action Plan (draft)". (26 Oct 2015) rian (uni) . (20 Oct 2015)

Held meetings with C/P twice (27 Oct 2015, 30 Oct 2015) to discuss the

"Strategy for Public Relations/Awareness (draft)" and the "Action Plan (draft)".

After a series of consultation meetings and reflection of email-based comments 4.1.3 Develop the "Strategy for Public Relations/Awareness" and its "Action Plan" in accordance with the results of activity 4.1.1 and 4.1.4 and Action Plan (Ver.1) "Strategy for Public Relations/Awareness" was finalized, and shared at C/P regular meeting. (26 Feb 2016) Strategy for public relations/av Mar 2018 eviewed and revised the "Strategy for Public Relations/Awareness" and the 4.1.4 Review and revise the strategy developed in the activity 4.1.3 t and Action Plan (Revised version) port of strategy review "Action Plan" (20 Jul 2018) reflect the progress of the project and situation of the target popul - Final Report on Strategy for public relations/awareness and Action Plan Mar 2020 reated final report of the "Strategy for Public Relations/Awareness". (Nov 2020) 4.2 Collect and manage data/information for the management of model - Assessed CEPA's GIS/RS related equipment and the status of their use. (19 Jun 4.2.1 Assess CEPA's GIS/RS related equipment and the status of the Determined how & where to use project's GIS/RS equipment. (26 Jun 2015) use, determine how & where to use project's GIS/RS equipment, and Oct 2015 ocured equipments (Desktop PC installed and set Purchased a desktop PC, ArcGIS software (28 Jul 2015), ENVI software (21 Jul S/GIS software) 2015) and Geowizards software (16 Sen 2015) 4.2.2 Check contents and condition of CEPA's GIS/RS data, the way - Checked contents and condition of CEPA's GIS/RS data, the way to manage, technical capability of staff and their task and role from Jul to Oct. CEPA's GIS data list Oct 2015 manage, technical capability of staff and their task and role Defined the way to develop, enhance and manage the project GIS database. (1 Oct 2015) 4.2.3 Define the way to develop, enhance and manage the project GIS GIS/RS data list (including data to be obtained) Created the project GIS database and wrapped up GIS database management Project GIS database Dec 2016 rule and GIS/RS data list. (Oct 2015)

- Updated the project GIS database using the GIS data developed in Japan. (22 Apr 2016) 4.2.4 Collect existing biodiversity related GIS/RS data including free - GIS data related to biodiversity Jun 2016 data and built GIS database. Collected existing biodiversity related GIS/RS data and built GIS database from - Collect existing GIS/RS data related to biodiversity. LANDSAT imagery over past year has been prepared for analysis. (2 Oct 2016) by NSO. Ordered high resolution remote sensing imagery (WorldView-2), (29 Oct 2015)
Pre-processed purchased WorldView-2 imagery. (Mar 2016)
Organized a CEPA internal meeting to make a presentation to introduce Purchase and analyze high resolution remote sensing imagery. ocured WorldView-2 imagery for CEPA. (22 Apr 2016) Created project area map (ver.1.1). 4.2.5 Organize spatial information, analyze spatial data, and create Created project area map (ver.1.2), (22 Oct 2015)

Updated data such as boundary, coast line, etc. on the basis of the WorldView-2 nagery for improving location accuracy. (28 Mar 2016) GIS data maps related to Output 1 4.2.6 Organize spatial information, analyze spatial data, and create - GIS data - Maps maps related to Output 2. Created photo base map data for terrestrial ecosystem management area by ing WorldView-2 imagery. (Mar 2016) Created Protected Area map. (3 Apr 2017) Created river data by referring WorldView-2 and drone 3D analysis imagery, and - Organize spatial information, analyze spatial data, and create maps - GIS data field survey. (30 Mar - 15 Apr 2016) Oct 2016 Created Terrestrial ecosystem areas map and VNP area maps. (15 Apr 2016).
Revised river data in VNP. (15 Jul 2016) elated to terrestrial PA management. Analyzed land cover changes over the past years using LANDSAT imagery and Tree Cover Loss data published by Hansen et al. and created the report of the nalyses. (21 Oct 2016) Created temporary vegetation data. (8 Oct 2015). Field observation trip for ground truthing for vegetation map to Owen's Corner and Sirinumu. (12 Apr 2016) Create detailed land use map through the use of high resolution Oct 2016 GIS data and maps of land use remote sensing imagery. Created draft land cover/use map in VNP. (21 Apr 2016) reated land cover/use map of proposed terrestrial areas. (Mar to Oct 2016) Created Digicel tower data, VNP facility data (19 Oct 2015) and camera trap data Create data and maps related to VNP facilities in accordance with GIS data of VNP facilities Mar 2016 Created VNP facility map (19 Oct 2015) and camera trap map (20 Oct 2015). facility development and rehabilitation works. Maps for VNP facility management Updated VNP facility data on the basis of the WorldView-2 imagery for improving ation accuracy. (28 Mar 2016) Created distance pile data. (31 Mar - 5 Apr 2016) Revised data and maps related to VNP facilities for facility development and ehabilitation works. (31 Jan - 13 Feb 2018) Update and arrange data and maps related to VNP facilities in GIS data of VNP facilities Dec 2018 - Revised data of VNP facilities (toilets) to suit the present conditions, (27 Jul accordance with facility development and rehabilitation works. Maps for VNP facility management - Arranged database and maps of VNP facilities to suit continuous database nagement. (25 Oct 2018) Created draft procedure of management and update of facility GIS database (facility management), (21 Mar 2017) Make the procedure on management of GIS database of VNP facility Procedure on management of GIS acility management). (21 Mar 2017) Updated draft manual on updating facility GIS database. (16 Feb 2018) Finalized the procedure on management of GIS database of VNP facility. (25 Oci Dec 2018 in accordance with VNP facility database prepared in activity 2.3. atabase of VNP facility - Continuous support to manage GIS database of VNP facility by Conducted training of GIS data management / updated for the future VNP Dec 2019 means of OJT nagement, (6 Feb 2020)

|  | Plan           |       |            |         | 20       | )16 |      | 2017 |                     | 2018        |          |         | 2019 | 9 |                |         | 2020 |                       | -                                     | Milestones               | Major   | Deadlines                        | Achievements  | Issues & Countermeasures |
|--|----------------|-------|------------|---------|----------|-----|------|------|---------------------|-------------|----------|---------|------|---|----------------|---------|------|-----------------------|---------------------------------------|--------------------------|---|----------------------------------|---|--------------------------|
|  | Actual         | 6 7 8 | 9 10 11 12 | 2 1 2 3 | <b>I</b> |     | <br> |      | <br><b>I</b> 12 1 2 | <br>6 7 8 9 | 10 11 12 | I 2 3 4 |      |   | <b>IV</b> 12 1 | 1 2 3 4 |      | <b>II</b> 8 9 10 11 1 | 2                                     |                          | Products  |                                  |   |                          |
| Arrange spatial data, and create maps related to biodiversity conservation by using the results of biodiversity survey and socioeconomic survey. |                |       |            |         |          |     |      |      |                     |             |          |         |      |   |                |         |      |                       |                                       |                          | - GIS data<br>- Maps  | - Dec 2019                       | Created proposed bird watching sites map. (6 Apr 2016)     Created species distribution data from the results of biological survey. (22 Oct 2018)   |                          |
| - Review and create zoning map in VNP and MAB zoning map in terrestrial areas.   |                |       |            |         |          |     |      |      |                     |             |          |         |      |   |                |         |      |                       |                                       |                          | - GIS data<br>- VNP management zone map<br>- MAB zone map   | - Dec 2019                       | - Made a study on VNP management zoning and Created VNP management zone map (2 Jul 2017).  - Made a study on MAB zoning, decided draft zoning policy and created draft MAB zone map (6 Jul 2017).   |                          |
| - Create other maps related to MAB application.  |                |       |            |         |          |     |      |      |                     |             |          |         |      |   |                |         |      |                       |                                       |                          | - Maps  | - Dec 2019                       | - Created some maps for proposed MAB application. (Jan 2020)  |                          |
| 4.2.7 Organize spatial information, analyze spatial data, and create<br>maps related to Output 3.  | Plan<br>Actual |       |            |         |          |     |      |      |                     |             |          |         |      |   |                |         |      |                       | - GIS data<br>- Maps                  |                          | - GIS data<br>- Maps  |                                  |   |                          |
| Organize spatial information, analyze spatial data, and create maps related to MPA management, mangrove protection and bird watching.            |                |       |            |         |          |     |      |      |                     |             |          |         |      |   |                |         |      |                       |                                       |                          | - GIS data<br>- Maps  | - Feb 2018                       | Created photo base map data for marine/coastal ecosystem management area by using WorldView-2 imagery. (Mar 2016)  - Created map of proposed bird watching sites (6 Apr 2016)  - Created marine/coastal ecosystem areas maps. (15 Apr 2016)  - Created marine/coastal map for tuna and mangrove protection. (12 Apr 2016)  - Created data (international dive site, customaryliraditional fishing ground, UPNG research site, etc.) identified in Marine WS. (3 Oct 2016)  - Created and updated maps of targeted marine protected areas for field survey. (25 Oct 2016, 31 Mar 2017, 6 Jul 2017)  - Revised road data near seashore. (23 Mar 2017)  - Created depth line, and pipe line data. (29 Jun 2017)  - Created data uPNG survey site data. (6 Jul 2017)  - Created data upda UPNG survey site data. (6 Jul 2017)  - Created data and maps of Tahira farm survey site and CPC survey site. (Feb 2018)  - Created data and maps related to resource and historical conservation (habitat, relic. jetty, resort, etc.) (Nov 2019)   |                          |
| Create mangrove, coral and seagrass distribution data through the use of high resolution remote sensing imagery.                                 |                |       |            |         |          |     |      |      |                     |             |          |         |      |   |                |         |      |                       |                                       |                          | - GIS data and maps of mangrove, reef and seagrass  | - Jun 2017                       | - Created mangrove map (temporary version). (21 Oct 2015) - Created mangrove data by referring WorldView-2 and drone imagery, and field survey. Mangroves are classified in three types temporary. (2 Apr - 19 Apr 2016) - Created a couple of types of mangrove map (ver.1.0). (19 Apr 2016) - Created reef data (29 Jun 2017).  |                          |
| Create land boundary maps, and review and create zoning map in proposed MPA.   |                |       |            |         |          |     |      |      |                     |             |          |         |      |   |                |         |      |                       |                                       |                          | - GIS data<br>- Land boundary maps in proposed<br>MPAs<br>- MPA management zone map                         | - Dec 2019                       | - Created draft zoning map in Tahira farm and CPC. (14 Feb 2018) - Created map of proposed marine sanctuary. (18 Mar 2019) - Created data and map of CPG land. (May 2019) - Created data and maps of LAN/LON points of mangrove boundary. (May 2019) - Created BBNMS zoning map (draft). (Nov 2019) - Created BBNMS zoning maps and conservation zone maps for submitting Land department. (Jan 2020)   |                          |
| 4.2.8 Develop capacity of CEPA to manage data/information.   | Plan<br>Actual |       |            |         |          |     |      |      |                     |             |          |         |      |   |                |         |      |                       |                                       |                          |   |                                  |   |                          |
| - Create manuals/guides of data management.  |                |       |            |         |          |     |      |      |                     |             |          |         |      |   |                |         |      |                       |                                       |                          | - Intoroducotory ENVI manual<br>- Manual on getting location information<br>- Manual of GIS data management | Feb 2020                         | Created introductory ENVI manual for remote sensing processing and analysis (2 Apr 2017).     Created manual on getting location information (importing GPS data into GIS). (9 Feb 2018)     Created documents related to GIS data management. (Feb 2020)   |                          |
| - Conduct training for data management.  |                |       |            |         |          |     |      |      |                     |             |          |         |      |   |                |         |      |                       |                                       |                          |   | Jun 2019<br>Oct 2019<br>Dec 2019 | - Conduct training of GIS data management. (5-6 Feb 2020) - Extended the Project GIS database and related technical documents. (Nov 2020)   |                          |
| 4.3 Elaborate data/information sharing materials and disseminate through appropriate media.  | Plan           |       |            |         |          |     |      |      |                     |             |          |         |      |   |                |         |      |                       |                                       |                          |   |                                  |   |                          |
| 4.3.1 Set up, manage and update JICA project homepages (English/Japanese versions).  | Plan           |       |            |         |          |     |      |      |                     |             |          |         |      |   |                |         |      |                       | - Manuscripts (Eng,                   | Jp) (more than biannual) | - JICA project HP   | - Biannually (Aug,<br>Feb)       | - Provided contents for JICA's project homepage, which was developed by JICA HO (26 Jun 2015) Prepared articles pertaining to "JCC" and "Kickoff Seminar" (27 Aug 2015), "Inception WS for Kolari on 22 Oct" (Oct 2015), "MoU of Bird Watching Project signed (Mar 2016), "Marine WS" (Oct 2016), "Inaugural Ceremony of equipment for Output 3" (Dec 2016), "Training 1 Japan" (Mar to Apr 2017), and "JCC3" (Jan 2018) Prepared project brochure ver. 3 (Mar to Apr 2017), ver. 4 (May 2018), ver. 5 (Mar 2019) and ver. 6 (Feb 2020).  |                          |
| 4.3.2 Set up, manage and update project facebook page  | Actual         |       |            |         |          |     |      |      |                     |             |          |         |      |   |                |         |      |                       | - News atricle<br>- Monitoring report |                          | - Project Facebook page   |                                  | - Created and opened Project Facebook page officially. (28 Oct 2015) - Launch of Project Facebook was announced to relevant parties. (26 Nov 2015) - Dened new Project Facebook page and fransferred the exiting posts from the old page to the new page in accordance with the change of page administrators. (Oct 2018) - Posted articles at Project Facebook. 2015: Oct-Dec 18 2016: Jan-Mar 5, Apr-Jun 30, Jul-Sep 15, Oct-Dec 12 2017: Jan-Mar 27, Apr-Jun 19, Jul-Sep 25, Oct-Dec 18 2018: Jan-Mar 12, Apr-Jun 30, Jul-Sep 50, Oct-Dec 18 2019: Jan-Mar 19, Apr-Jun 31, Jul-Sep 26, Oct-Dec 19 2020: Jan-Mar 11, Apr-Jun 30, Jul-Sep 30, Oct-Dec 19 2020: Jan-Mar 11, Apr-Jun 30, Jul-Sep 30, Oct-Dec 19 2020: Jan-Mar 11, Apr-Jun 30, Jul-Sep 30, Oct-Dec 19 2020: Jan-Mar 11, Apr-Jun 30, Jul-Sep 30, Oct-Dec 19 2020: Jan-Mar 11, Apr-Jun 30, Jul-Sep 30, Oct-Dec 19 2020: Jan-Mar 11, Apr-Jun 30, Jul-Sep 30, Oct-Dec 19 2020: Jan-Mar 11, Apr-Jun 30, Jul-Sep 30, Oct-Dec 19 2020: Jan-Mar 11, Apr-Jun 30, Jul-Sep 30, Oct-Dec 19 2020: Jan-Mar 11, Apr-Jun 30, Jul-Sep 30, Oct-Dec 19 2020: Jan-Mar 11, Apr-Jun 30, Jul-Sep 30, Oct-Dec 19 2020: Jan-Mar 11, Apr-Jun 30, Jul-Sep 30, Oct-Dec 19 2020: Jan-Mar 11, Apr-Jun 30, Jul-Sep 30, Oct-Dec 19 2020: Jan-Mar 11, Apr-Jun 30, Jul-Sep 30, Oct-Dec 19 2020: Jan-Mar 11, Apr-Jun 30, Jul-Sep 30, Oct-Dec 19 2020: Jan-Mar 11, Apr-Jun 30, Jul-Sep 30, Oct-Dec 19 2020: Jan-Mar 11, Apr-Jun 30, Jul-Sep 30, Oct-Dec 19 2020: Monitoring report 17/2016 to 10/2016 was made. (Mar 2016) - Monitoring report 20/2010 to 10/2017 was made. (Jun 2019) - Monitoring report 20/2010 to 12/2019 was made. (Jun 2019) - Monitoring report 20/2010 to 12/2020 was made. (Jun 2020) - Monitoring report 20/2010 to 12/2020 was made. (Oct. 2020) - Monitoring report 10/2020 to 9/2020 was made. (Oct. 2020) |                          |
| 4.3.3 Make project brochures which depict the activities of the project (at least annually).   | Plan           |       |            |         |          |     |      |      |                     |             |          |         |      |   |                |         |      |                       | - Brochure (annual)                   |                          | - Brochures<br>- Brochure for MPA promotion   | - Annually (Jul)                 | - Project brochure was printed for 500 copies Project banner was made. (Aug 2015) - Project signboard was made. (Aug 2015) - Project brochure (ver.2) was printed for 500 copies. (28 Oct 2015) - Project brochure (ver.3) was printed for 500 copies. (2 Apr 2017) - Project brochure (ver.3) was printed for 500 copies. (A Jun 2017) - Draft Project brochure (ver.4) was created (Feb 2018), and final Project brochure (ver.4) was printed for 500 copies. (May 2018) - Project brochure (ver.5) was created, and printed for 500 copies. (Mar 2019) - Project brochure (ver.6) was created, and printed for 500 copies. (Feb 2019)  |                          |

| Pla<br>Act   |      | IV         |       | 2016    |        |         |         |       |         | I 12 1 2 | I       |       |          |         |       | <b>III IV</b><br>8 9 10 11 12 |         |       | 20 <b>III IV</b> 7 8 9 10 11 |   | Major<br>Products   | Deadlines                      | Achievements   | Issues & Countermeasures |
|--|------|------------|-------|---------|--------|---------|---------|-------|---------|----------|---------|-------|----------|---------|-------|-------------------------------|---------|-------|------------------------------|---|---|--------------------------------|--|--------------------------|
| accordance with the strategy for public relations/awareness to be developed in the activity 4.1. | tual | 7 10 11 12 | 1 2 3 | 4 5 6 7 | 8 9 10 | 11 12 1 | 2 3 4 3 | 0 7 8 | 7 10 11 | 12 1 2   | 3 4 5 0 | 7 8 7 | 10 11 12 | 1 2 3 4 | 3 0 7 | 8 7 10 11 11                  | 2 1 2 3 | 4 5 0 | 7 6 7 10 11                  | Information sharing materials (draft) in accordance with the strategy | - Information sharing materials   | accordance with th<br>strategy | e  |                          |
| - Make project Newsletter (twice a year) and Fact sheet (annually).                              |      |            |       |         |        |         |         |       |         |          |         |       |          |         |       |                               |         |       |                              |   | - Newsletter<br>- Fact sheet  |                                | Project newsletter vol. 1 and vol. 2 was made (Jul 2016), revised and printed for 300 copies each (18 Oct 2016).  Project factsheet vol. 1 was printed for 300 copies. (21 Oct 2016)  Project newsletter vol. 3 was printed for 500 copies. (Dec 2016)  Project newsletter vol. 4 was printed for 500 copies. (Dec 2016)  Project newsletter vol. 4 was printed for 500 copies. (Jul 2017)  Project newsletter vol. 1 and vol. 2 and Project factsheet for MPA were created. (Jun 2017)  Project newsletter vol. 1 and vol. 2 and Project factsheet vol. 1 was re-printed for 500 copies each. (27 Sep 2017).  Project newsletter vol. 5 was printed for 500 copies. (12 Feb 2018)  Project newsletter vol. 6 was printed for 500 copies. (25 Jul 2018)  Project newsletter vol. 6 was printed for 500 copies. (29 Jan 2019)  Project newsletter vol. 8 was printed for 500 copies. (20 Cot 2019)  Project newsletter vol. 9 was printed for 500 copies. (29 Jan 2019)  Project newsletter vol. 9 was printed for 500 copies. (29 Jan 2020)  |                          |
| - Make project Atlas.  |      |            |       |         |        |         |         |       |         |          |         |       |          |         |       |                               |         |       |                              |   | - Project Atlas   |                                | Concept of Allas for the Project was considered. (7 Jul 2017)     The draft of Project Allas (1st edition) was prepared. (29 Sep 2017)     Project Allas (1st edition) was binded and printed for 100 copies. (14 Nov 2018)  |                          |
| - Make banners and posters.  |      |            |       |         |        |         |         |       |         |          |         |       |          |         |       |                               |         |       |                              |   | Project banner Provisional Project Boundary Map poster Terrestrial Ecosystem Areas Map poster Marine / Coastal Ecosystem Areas M poster Mangrove Map poster Project poster focused and use map Project poster focused on Output 3 Poster for protective species in MPA Poster for protective species in MPA Poster for rotlective species in MPA Poster for cultication for reducing plastic rubbish waste at sea |                                | Project banner (new) was created. (Aug 2015) Project banner (new) was created. (Aug 2015) Proster (Provisional project boundary map) was printed (A0 laminating). (28 Oct 2015) Three posters (Terrestrial ecosystem areas map, Marine/coastal ecosystem areas map, and Mangrove map) was printed (A0). (20 Apr 2016) Project poster included land use map was printed (A1 * 5 copies, A * 1 copies) (Apr 2017). Project poster focused on Output 3 was printed (A0 * 2 copies, A 3 * 20 copies) (1 Jun 2017). Poster of Bootless Bay proposed MPA, mangrove map and preliminary survey map was printed (A0 * 3 copies). (1 Jun 2017) Project banner was created. (20 Jul 2017) Banner of BBMCI was created. (15 Sep 2017) Project banners (3 types: (1) biodiversity, (2) culture & people, (3) mangroves, corals, etc. (for marine)) was created. (13 Sep 2018) Flag banner of Information Center Complex at VNP was created. (3 Oct 2018) Seven types of posters related to biodiversity were created. (July 2019) Six types of banners for Bootless Bay National Marine Sanctuary (NMS) were created. (30 Aug 2019)  15 types of posters for Bootless Bay NMS were printed 75 copies for each. (30 Aug 2019)  - Created awareness materials for Bootless Bay National Marine Sanctuary, 15 types of Japosters and 6 types of canvas banners (Sep, 2019). |                          |
| - Make signboards.   |      |            |       |         |        |         |         |       |         |          |         |       |          |         |       |                               |         |       |                              |   | Project signboard Main signboard of VNP BW project signboard in VNP Megapod explanation signboard in VN BW signboard at PAU Signboard of promotion of bird watching and mangrove protection (in Tahira) Signboard for VNP new entrance fees   |                                | - Project signboard was created. (Aug 2015)  - Created draft design picture of main signboard (21 Apr 2016).  - Revised draft main signboard design (15 Jul 2016).  - Signboard for Varirata National Park was created (big sized signboard (1220mm x 1200mm, 2 sides) at main picnic area, normal sized signboard (900mm x 750mm, 2 sides) at main lookun). (Nov 2016)  - Bird Watching signboard in Varirata National Park was created (900mm x 750mm, 1 side: installed at main picnic area). (Nov 2016)  - Bird Watching signboard at main picnic area). (Nov 2016)  - Bird Watching signboard at Pacific Adventist University was created. (Nov 2016)  - Bird Watching signboard at Pacific Adventist University was created. (Nov 2016)  - Signboard for MPA was created at Tahira IPNG land. (Sep 2017)  - Signboard for MPA was created at Tahira farm. (Nov 2017)  - Signboard for MPA was created at Tahira farm. (Nov 2017)  - Signboard for MPA was created at Tahira farm. (Nov 2017)  - Signboard for MPA was created. (May 2018)  - Signboard for WNP new entrance fees was created. (Mar 2019)  - Two signboards for Tahira Office was created. (Jun 2020)   |                          |
| - Make logos for VNP and BBMCI, and stickers.  |      |            |       |         |        |         |         |       |         |          |         |       |          |         |       |                               |         |       |                              |   | - Logo for VNP - Logo for BBMCI - Sticker - Stamp for VNP   |                                | - Discussed with Logo designer, and the 1st Logo design proposal came up. (15 Apr 2016) - Had a series of discussion within CEPA and with the designer, final logo design for VNP was decided. (25 May 2016) - Sticker of project boat was created for 2 and located at the boat. (5 Nov 2016) - Project logo sticker was created for 6,00. (2 Nov 2016) - Sticker of VNP logo was created for 1,000. (2 Nov 2016) - Logo for Bootless Bay Marine Conservation Initiative was created. (20 Jun 2017) - Sticker of BBMCl logo was created for 1,000. (Jul 2017) - VNP stamps (medium size and small size) were created. (Feb 2019)  |                          |
| - Make guide map (book).   |      |            |       |         |        |         |         |       |         |          |         |       |          |         |       |                               |         |       |                              |   | - Guide Map of Varirata National Park<br>- Field guide brochures of Plants,<br>Mammals, Birds, Repliles, Flogs, and<br>Invertebrates at VNP<br>- Field guide brochure of Mangrove at<br>Bootless Bay<br>- Field guide brochure of Bird at Bootles<br>Bay  | ss                             | - Created Guide Map of Varirata National Park (ver.1.0). (7 Apr.2016) - Revised Guide Map of Varirata National Park (1st edition). (15 Jul 2016) - Guide Map of Varirata National Park (1st edition) was printed for 5,000 copies (29 Sep 2016) and re-printed for 5000 copies (20 Jan 2017) Field guide brochures of Plants, Mammals, Birds, Reptiles, Flogs, and Invertebrates were created and printed 200 copies for each. (Sep 2018) - Revised Guide Map of Variata National Park (2nd edition). (4 Jun 2019) - Revised Guide Map of Variata National Park (2nd edition) Field guide brochure of was prove at Bootless Bay was created and printed 200 copies (Jun 2019) and 300 copies (Jun 2019) Field guide brochure of bird at Bootless Bay was created and printed 500 copies. (Jun 2020)  |                          |
| - Make VNP promotion video.  |      |            |       |         |        |         |         |       |         |          |         |       |          |         |       |                               |         |       |                              |   | - Video footage for MPA promotion   |                                | Draft proposal for VNP promotion video was prepared. (May 2018)     Final draft proposal for VNP promotion video was prepared. (Jan 2019)     Outotlations were obtained from two companies. (Feb 2019)     VNP promotion video was made in collaboration with TPA and released for public. (Jun 2020)     Short highlight video of the Varirata Cultural Tour was made in collaboration with TPA and released for public. (Jun 2020)  |                          |

|  | Plar                   | ual                                   |        |       |        | IV : |         | 2017<br><b>III</b><br>6 7 8 9 | IV         |       | 20<br><b>II</b> | ш |          |       | ш | I | 2020    |        |       | Milestones  | Major<br>Products                                  | Deadlines                              | Achievements  | Issues & Countermeasures |
|--|------------------------|---------------------------------------|--------|-------|--------|------|---------|-------------------------------|------------|-------|-----------------|---|----------|-------|---|---|---------|--------|-------|---|--|--|---|--------------------------|
| Make other information sharing materials in accordance with strategy.  |                        | 0 /                                   | 8 9 10 | 2 3 9 | 0 9 10 |      | 2 3 4 5 |                               | 9 10 11 12 | 1 2 3 | 4 5 6           |   | 10 11 12 | 4 5 0 | 7 |   | 4 5 6 7 | 6 9 11 | 11 12 |   | - Other information sharing materials              |  | Project polo shirt was created for 60. (18 Apr 2016)  Made a project update sheel for Central Provincial Administration. (16 May 2016)  Project Photo Library 2015-16 was made to be uploaded at Facebook page. (27 May 2016)  T-shirt for "To Bootless Bay Marine Conservation Initiative "was created for 100, and distributed at the launching event. (22 Oct 2016)  T-shirt for "Friends of Varirata" was created for 100. (3 Nov 2016)  Biodiversity reports (book) was printed for 10 copies. (Oct 2018)  Executive summary of the Biodiversity reports was printed for 100 copies. (Oct 2018)  Project vest was created for 60. (Feb 2019)   |                          |
| 4.3.5 Disseminate project related information in seminars, work and other events.  | Pfar<br>shops,<br>Actu | n n n n n n n n n n n n n n n n n n n |        |       |        |      |         |                               |            |       |                 |   |          |       |   |   |         |        |       |   |  |  | - Participated in Kokoda Initiative workshop, made presentation on the project, and disseminated project related information. (26 May 2016)  - Communicated with Central PA Administrator, Deputy Administrator, LLG Manages, and other central provincial leaders. (26 May 2016) - Heid alunching Ceremony of the project bata (22 Oct 2016) - Promoted the project in the World Wildlife Day event at Nature Park, explained importance of the project activities, and disseminated project related information. (20 Mar 2017) - Heid the Inaugural Event for Renovated Facilities in Varirata National Park. (20 Apr 2017) - Major sponsorship of the World Environment Day event at Varirata National Park. (5 Jun 2017) - Run a booth at the World Oceans Conference in UN HO, New York City. (5-9 Jun 2017) - Made a presentation at the World Oceans Conference in UN HO, New York City. (7 Jun 2017) - Launched the CTI Day at Taikone, Moresby south. (9 Jun 2017) - Heid the Study Tour to VNP and National Museum of PNG. (18 Oct 2018) - Promoted the project in the World Wildlife Day event at Nature Park. (2 Mar 2019) - Held the Inaugural Ceremony for Information Center Complex in VNP. (28 Mar 2019) - Heid Campaign event for World Environmental Day at Mirigeta of Bootless Bay for mangrove planting. (4 Jun 2019) - Accepted two students of Pacific Adventist University on internship for 6 weeks. (24 Jun to 31 Jul 2019) - Held the signing ceremony of MoU, which was signed by the Central Provincial Government and CEPA for the protection of the mangroves and marine resources at Mirigeda and Bootless Bay, (9 Aug 2019) - Held Varirata National Park one day tour packages. (9 Nov 2019) - Held Varirata National Park one day tour packages. (9 Nov 2019) - Held Varirata National Park one day tour packages. (9 Nov 2019) - Held Varirata National Park one day tour packages. (9 Nov 2019) |                          |
| 4.3.6 Set up CEPA-JICA project page in home page of CEPA   | Actu                   | n al                                  |        |       |        |      |         |                               |            |       |                 |   |          |       |   |   |         |        |       |   | - Project webpage in CEPA home page                | e - Mar 2017                           | - JICA-CEPA team discussed modification of CEPA-JICA project page. (Sep 2016) - CEPA-JICA team discussed with IT officer about modification of CEPA-JICA project page. (Oct 2016) - CEPA-JICA team discussed modification of CEPA-JICA project page with IT officer and Web developer. (Nov 2016) - Requested additional adjustments required for CEPA-JICA project page to Web developer. (Mar 2017) - Set up CEPA-JICA page in website of CEPA. (Mar 2017)  |                          |
| 4.4 Conduct workshop/seminar for better public relations/awarene   | S. Plar                | n<br>ual                              |        |       |        |      |         |                               |            |       |                 |   |          |       |   |   |         |        |       |   |  |  |   |                          |
| 4.4.1 Develop implementation plans of workshop/seminar for p<br>relations/awareness (Kick off Seminar, Mid-term Review Semin<br>Closing/Wrap-up Seminar) in response to comments of stakeh | ar, and<br>Iders.      | n<br>ual                              |        |       |        |      |         |                               |            |       |                 |   |          |       |   |   |         |        |       | - participants list<br>- media list<br>- agenda, slide, hand out, noverty goods<br>- logistic plan, progress monitoring | - Seminar proposal                                 | - Aug 2015<br>- Aug 2017<br>- Feb 2020 | Developed related documents (proposal, participant list, logistic plan etc.) and implement preparation activities for Kickoff Seminar/workshop. (Jul 2015)     Developed implementation plans of Wrap-up Seminar, (Feb 2020)  |                          |
| 4.4.2 Prepare and conduct workshop/seminar.  | Piar                   | n n n n n n n n n n n n n n n n n n n |        |       |        |      |         |                               |            |       |                 |   |          |       |   |   |         |        |       |   | Seminar reports<br>Final Seminar Report (Mar 2019) | - Sep 2015<br>- Sep 2017<br>- Mar 2020 | -for Project as a whole> - Conducted Kick-off Seminar / Workshop for CEPA-JICA Biodiversity Project. (29 Jul 2015) - Conducted Wrap-up Seminar. (18 Nov 2020)  -For Output 2> - Held Inception Workshop for Kolari. (22 Oct 2015) - Held Follow-up Workshop for Kolari. (22 Nov 2015) - Held Follow-up Workshop for Kolari. (22 Nov 2015) - Held Whispop on Livelhood Development & Bird Watching in Kolari. (25 Feb 2016) - Held Whispop on Livelhood Development & Bird Watching in Kolari. (25 Feb 2016) - Held Inception Workshop for the creation of Bootless Bay Marine Conservation Initiative at Motupore Island. (16 Aug 2016) - Held Inception Workshop for the creation of BBMC1 at Lamana hotel, Port Moresby. (31 Jan 2017) - Held Whispop Workshop for the Project Achievements 2015-2016. (2 Feb 2017) - Held Inaugural Launch for the Renovated Facilities in Varirata National Park. (20 Apr 2017) - Held the 2nd meeting for BBMC1 at Tubseria Village. (12 Apr 2017) - Held the 2nd meeting for BBMC1 at Tubseria Village. (12 Apr 2017) - Held the Seminar for explanation of the results of social mapping and socio-economic survey. (1 Mar 2018) - Held the 5th meeting for BBMC1 at CEPA. (12 Mar 2018) - Held the 5th meeting for BBMC1 at CEPA. (12 Mar 2018) - Held the 5th meeting for BBMC1 at CEPA. (12 Mar 2018) - Held the 6th meeting for BBMC1 at CEPA. (12 Mar 2018) - Held the 6th BBMC1 meeting. (2 Sep 2018) - Held the 7th BBMC1 meeting. (2 Sep 2018) - Held the 7th BBMC1 meeting. (2 Sep 2018) - Held the 9th BBMC1 meeting. (2 Sep 2018)   |                          |