

No.

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

Natural Environment Conservation Project
in the Iguazú Region
of the Argentine Republic

GENERAL REPORT

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Japan Wildlife Research Center

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Summary

The Iguazu National Park, inscribed as World Heritage and one of the best tourist points of Argentina and its surroundings, is one of the most important ecosystems worldwide and contains the Parana Forest (Interior Atlantic Forest). However, the expansion of the agricultural frontier, the inappropriate use of natural resources and the lack of a management system for the nature reserves, are generating the loss of the abundant biodiversity.

The Iguazu Area stands on the marginal borderland in the northeastern region of Argentina, but the nature conservation systems of nature reserves and the Green Corridor in the project area are relatively advanced. However, actually the nature conservation institutions have never cooperated with each other, as their institution bases are different from the federal government, the provincial government and the municipality. It is difficult to conserve the area of natural environment under this situation, in which the institutions are separated and their employees are isolated from each other. Therefore, the actual project objective is decided as development of employees' management capacity for the natural environment through the cooperation activities by the National Parks Administration, Provincial Government of Misiones and Municipality of Comandante Andresito.

The Project "Natural Environment Conservation in the Iguazu Region" is executed on the basis of the Records of Discussions that was signed and exchanged between the Argentinean Government and JICA on the 19th of December, 2003. The execution of the project is based on the improvement of the management system of the Iguazu National Park and the provincial nature reserves, especially the Green Corridor, the overall objective being the strengthening of the management system of the natural environment conservation.

From April 2004 to March 2007, this Project sent eight short-term experts and made necessary recommendations related to the Cooperation and Common Possession of Information, the Dissemination and Environmental Education and the Pilot Program (ecotourism) to the employees of the executing institutions, which are the Ministry of Ecology, Renewable Natural Resources and Tourism of Misiones Province (MERNRyT), the National Parks Administration (APN) and the Municipality of Comandante Andresito(MCA).

Regarding the Cooperation and Common Position of Information, the Yacu-i Office was constructed in the area of the Iguazu National Park for the purpose of multi cooperative activities by the rangers of National Parks and Provincial Parks. The cooperation of the three counterpart institutions was promoted with the collaboration of seminars and workshops for the

Common Position of Information of the nature reserve management and the like.

Regarding the Dissemination and Environmental Education, teachers were added as promoting go-betweens of the project to employees of executing institutions, because the respect and confidence in the teacher is high, especially in the countryside. The addition of teachers showed the ability of the continuation and development of conservation activities including local residents after project completion.

The local residents were interested in the Pilot Program of ecotourism. The Ecolodge of the camping site was constructed in the woods on the outskirts of Andresito and Japanese tourist groups visited and stayed there several times on monitoring tours. The project implemented several training courses for tour guides and kinds of services for tourists. Many local residents participated in them and the Cooperative for Tourism Services was organized and authorized by the national government in 2007.

The counterpart employees of the three relevant institutions understood the importance of the Cooperative activities and the necessity of coordination between the relevant mutual institutions through their experience of the Pilot Program of this project. They got their clear directions of conservation activities for the natural environment from this project completion.

List of Acronyms

APN	Administración de Parques Nacionales / National Parks Administration
CA	Conservación Argentina / Conservation Argentina
CIES	Centro de Investigaciones Ecológicas Sub-Tropicales / Center of Subtropical Ecologic Researches
C/P	Counterpart
CTSA	Cooperativa de Trabajo Selva Adentro / Selva Adentro Cooperative for Tourism Services
CV	Corredor Verde / Green Corridor
FVSA	Fundación Vida Silvestre Argentina / Argentinean Wildlife Foundation
IBAMA	Instituto Brasileiro do Meio Ambiente e Recursos Natulais Renovabeis / Brazilian Institute of the Environment and Renewable Natural Resources
JICA	Japan International Cooperation Agency
JWRC	Japan Wildlife Research Center
MCA	Municipalidad de Comandante Andresito / Municipality of Comandante Andresito
MERNRyT	Ministerio de Ecología y Recursos Naturales Renovables y Turismo / Ministry of Ecology, Renewable Natural Resources and Tourism
NGO	Non Governmental Organization
PDM	Project Design Matrix
PNI	Parque Nacional Iguazu / Iguazu National Park
PPC	Parque Provincial Cametti / Cametti Provincial Park
PPF	Parque Provincial Foerster / Foerster Provincial Park
PPI	Parque Provincial Isla Grande / Isla Grande Provincial Park
PPU	Parque Provincial Urugua-í / Urugua-í Provincial Park
PPY	Parque Provincial Yacuy / Yacuy Provincial Park
R/D	Record of the Discussions
TOR	Terms of Reference

Photos



Photo 1. Green Corridor exhibition panel in Iguazu National Park Visitors Center



Photo 2. Yacuy office built by the Project, Iguazu National Park near the East border entrance



Photo 3. First seminar of the Project (Fiscal year 2004)



Photo 4. Project logo mark contest (Fiscal year 2004)



Photo 5. Visit to similar project in Brazil (Fiscal year 2005)



Photo 6. Japanese Group on Monitoring Tour of the Pilot Project (Fiscal year 2005)



Photo 7. Japanese Group on Monitoring Tour of the Pilot Project (Fiscal year 2005)



Photo 8. Environmental Education course (Fiscal year 2005)



Photo 9. Ecodge Caburé-i presentation by primary school students (Fiscal year 2005)



Photo 10. Joint information seminar related to protected areas management (Fiscal year 2006)



Photo 11. Environmental Education activity by executing institutions employees and teachers (Fiscal year 2006)

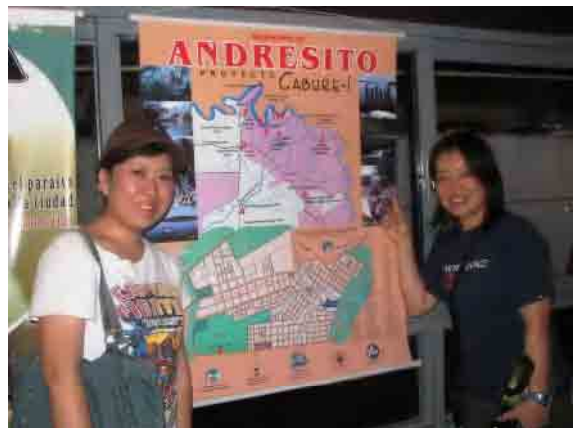
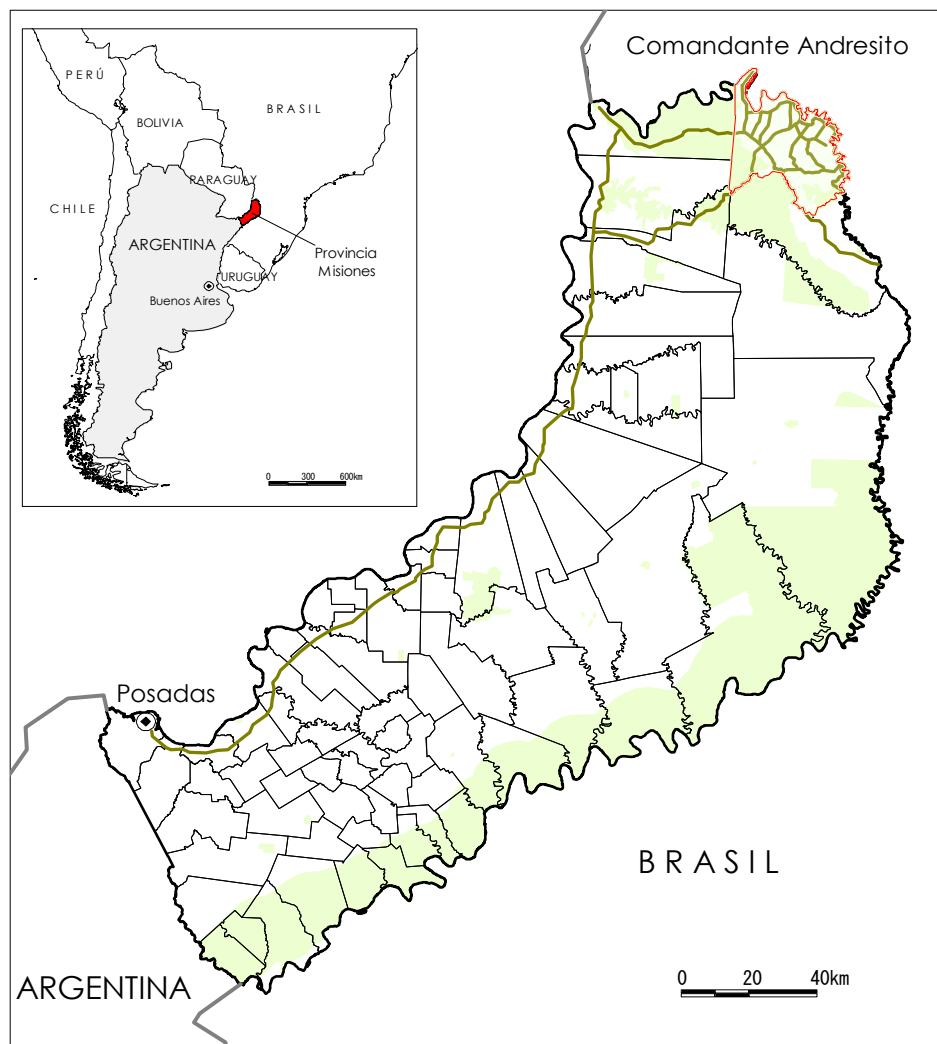


Photo 12. Project dissemination panel in Puerto Iguazu Tourist Information Center (Fiscal year 2006)

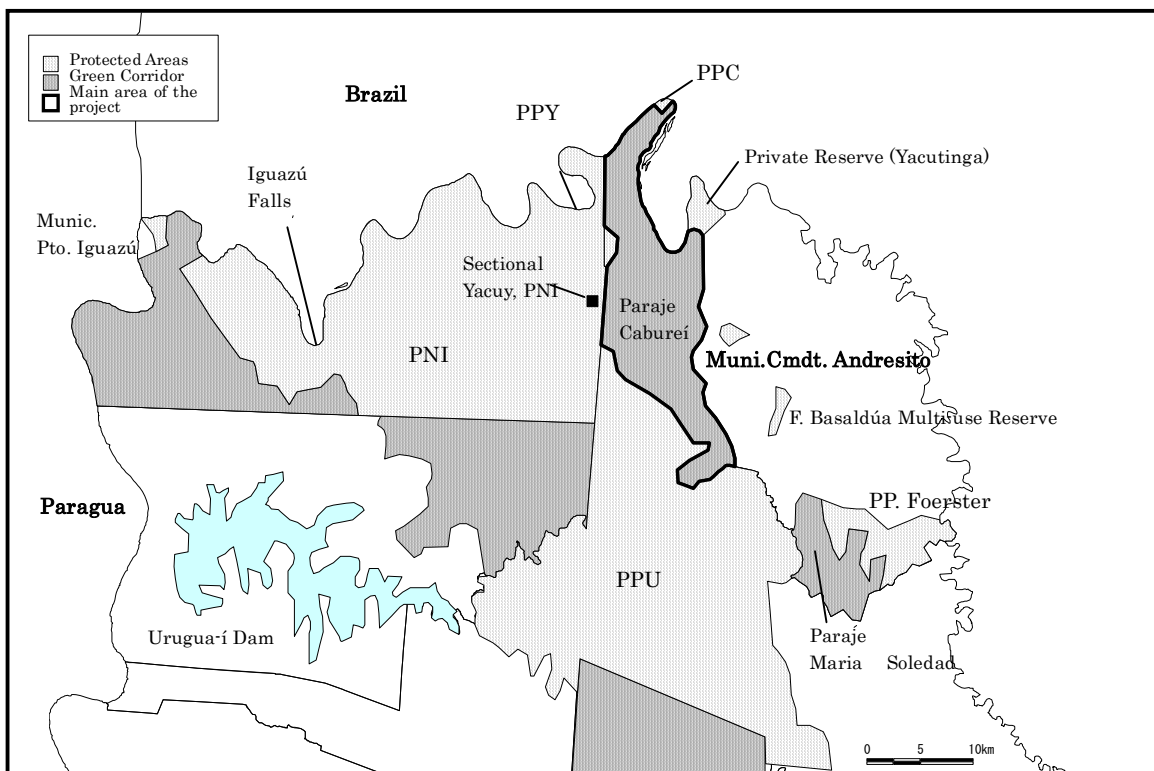
1.2 The executive operation management

1.2.1 Project area

The project area is the north-eastern region of Argentina. The work will be specifically accomplished within the north sector of the Green Corridor of Misiones province, protected areas and their buffer-zones. The Iguazu National Park, the Urugua-í Provincial Park, the Yacu-í Provincial Park, the Cametti Provincial Park, areas that are included in the north sector of the Green Corridor and the Municipality of Comandante Andresito (especially Cabure-í and Península areas) are included. Furthermore, from the viewpoint of securing the continuity and width of nature reserves the project area occupies an important position also beyond the Iguazu River, the border of Brazil, where there is the huge Iguazu National Park in Brazil, reaching 180,000ha.



Map 1.1 The location of Misiones Province and Comandante Andresito



Map 1.2 Project area map

Note: The target zone of the Project, area of the Municipality Andresito, specially the circumscribed zone with thick line.

Table 1.1 Protected areas in the Iguazu region

Protected Areas	Area (ha)	Decree(year)	Employees
PNI	67,620	1934	Aprox. 50 ¹⁾
PPU	84,000	1990	18 ²⁾
PPY	347	1991	0
PPC	103	2000	0

1) It does not include employees of the North East Area Region of APN in Puerto Iguazu

2) It does include 3 park rangers of the Foerster Provincial Park in the east region of Comandante Andresito (Sep. 2006)

1.2.2 The involved institutions

Within the project target area there are the PNI, the PPC, the PPY and the PPU. PNI is under the APN jurisdiction while PPU, PPY and PPC are under jurisdiction of the Misiones Province Government, through the Ministry of Ecology (MERNRyT). In addition, the target area for conservation belongs (for its administration) to the MCA. Due to these reasons, the executing institutions for this project are MERNRyT of the Government of Misiones, the Administration

of National Parks (APN) and the Municipality of Comandante Andresito (MCA).

However, although those institutions are cooperating in the subject area, each institution (federal government, provincial government and local government) has no experience in joint information, coordination or cooperation concerning joint activities among them, because their head offices are distant from the area. A few institutions offices' related to environment are dispersed, responsible employees are isolated, and for those reasons to preserve an extensive natural environment is difficult. In the Iguazu region, the cooperation between related natural environment institutions is an indispensable subject to be solved.

Within these institutions, the positions that are responsible for the natural environment conservation in the project area are the Sub secretariat of Ecology of the MERNRyT, the Administrative Office of the PNI in Puerto Iguazu and the Tourism, Environment and Sports Office of Comandante Andresito Municipality.

1.2.3 Project objectives (Project purpose)

The objective and overall objective of the Project are the following;

► Priority objectives (Overall goal)

To improve the management and the utilization of Iguazu National Park and the public sanctuary, and to strengthen the conservation of the natural environment in the Green Corridor

► Project objectives (Project purpose)

To develop officers' capacity for management of the natural environment of the National Park Agency (APN), provincial government (MERNRyT) and Comandante Andresito Municipality(CAM) in the project area.

1.3 Scope of operation

This Project is carried out on the basis of the Records of Discussions, signed and exchanged between the Argentinean Government and JICA on the 19th of December 2003. The execution of the project is based on item 1.3 about the “Goal and Outcomes of the Project”, described in the Annual Plan for the fiscal year 2005. The Project will be executed in a 3 year period, from April 2004 to March 2007. The scope of operation for every year will be as follows:

First year (from April 2004 to March 2005)

Planning strategies and execution of actions.	Information gathering about social development, natural resources, management of the protected areas, environmental education and Pilot Program. Elaboration of a plan corresponding to each result. Purchase of equipment and building of facilities.
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Second year (from April 2005 to March 2006)

Execution stage.	Execution of every plan. Documentation and verification. Improvements of the plans. Purchase and setup of the required equipment.
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Third year (from April 2006 to March 2007)

Summary stage	Improvement of both plans and execution. To organize the plan contents and elaboration of a summary about the actions accomplished.
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1.4 Capacity for the natural environment management

The executing institutions could not be able to conduct concrete natural environment management activities, so far. For this reason, it is necessary to show concretely the contents of the capacity for natural environment management. 6 items were considered as indicators to measure the capacity for the natural environment management of the involved institutions employees.

Table 1.2 Contents of the capacity for natural environment management

Capacity for the natural environment management	Contents
a) Capacity to gather, organize and present information and data	<ul style="list-style-type: none"> • Elaboration of the program for gathering information and data • Proper gathering of information and data • Ordering information and data • Sharing information and data
b) Capacity for measuring the coordination with the involved institutions	<ul style="list-style-type: none"> • Proposals of a joint planning with the involved institutions (meetings, seminars, workshops, conferences, courses, trips, etc.) • Coordination of the joint planning execution

Capacity for the natural environment management	Contents
c) Capacity for developing and improving dissemination and environmental education programs	<ul style="list-style-type: none"> • Planning, elaboration and improvement of the dissemination program • Planning, elaboration and improvement of the environmental education program
d) Capacity for developing and improving dissemination and environmental education materials	<ul style="list-style-type: none"> • Planning, elaboration and improvement of the dissemination materials • Planning, elaboration and improvement of the environmental education materials
e) Capacity to execute the dissemination and environmental education programs	<ul style="list-style-type: none"> • Execution of the dissemination program • Execution of the environmental education program
f) Capacity for the sustainable use of natural resources	<ul style="list-style-type: none"> • Knowledge of the natural resources (wild fauna and flora) • Planning of the methods for the sustainable use of natural resources (indirect use or very low impact use) • Real cases of sustainable use of natural resources

1.5 Project summary and indicators

Project purpose, overall goal and, output summary and indicators are shown below.

Table 1.3 Indicators of the PDM

	Summary	Indicators
Priority Objectives (Overall Goal)	To improve the management and the utilization of Iguazu National Park and the public sanctuary, and to strengthen the conservation of the natural environment in the Green Corridor.	<ol style="list-style-type: none"> 1. Coverage and connectivity of the forest area are maintained in the project area five years after the termination of the project. 2. Number of eco-tourism activities*, which utilize natural resources in sustainable ways and put little impact on its environment, are increased five years after the termination of the project. 3. Survey for collecting information and its updating are undertaken about natural environment in the target area. 4. Activities such as awareness-raising, environment education, and eco-tourism are carried out based on the results of the survey for conserving natural environment. <p>*Number of eco-tourism activities: Quantity of business (e.g. Operators of lodging, horse riding, river sailing, trekking, and cycle tourism, and quantity of tourists)</p>
Project Objectives (Project Purpose)	To develop officers' capacity for management of the natural environment of the National Park Agency (APN) and state government (MERNRyT) and Andresito city in the project area ^{*1} .	<ol style="list-style-type: none"> 1. At least two (2) C/Ps have become capable of carrying out the tasks related to each of six (6) items necessary for natural environment management^{*2} without support of JICA experts.^{*3} <ul style="list-style-type: none"> ▪ Degree of capacity of the management of the natural environment of APN personnel ▪ Degree of capacity of the management of the natural environment of the MERNRyT personnel ▪ Degree of capacity of the management of the natural environment of the Andresito city officers

	Summary	Indicators
Output 1	To share and utilize information and data about the natural environment among the relevant organizations in proper forms for its utilization for natural environmental management.	1.1 Plan for the management once the Project is ended (it should include the responsible institution, tasks distribution among the institutions, etc.) 1.2 Quantity (6 times) of cooperative projects (seminars and workshops) and of 50 participating people. ¹ 1.3 Quantity of items (10 items + list) and volumes (10 times) of the information that have been shared among the involved institutions. ²
Output 2	To upgrade the capability of the C/Ps in promoting the publicity and educational activities on natural environment protection targeting local citizens in the project area and tourists	2.1 Quantity and quality of the dissemination programs (2 programs) and the environmental education programs (3 programs) that have been elaborated and improved. ³ 2.2 Quantity and quality of the dissemination materials (12 materials) and the environmental education materials (2 materials) that have been elaborated and improved. ⁴ 2.3 Real result (quantity of developed events, of participating people, etc.) of the dissemination program (7 times) and the environmental education program (17 times). Total number of participants 90 people. ⁵
Output 3	To accumulate the knowledge and experience	3.1 Preliminary program to boost ecotourism (it includes the distribution of responsibilities towards the

¹ Number of participants (target: 50 persons); estimated from the total number of the staff who are expected to understand the Project. The number consists of: 1) MERNRyT; approximately 25 staff out of 30, i.e. approximately 20 staff working in the northern part of the province and 10 in the Head Office in Posadas, 2) APN; approximately 15 staff out of 60, i.e. those working in Iguazú National park and in the northeastern branch, and 3) Andresito municipality; approximately 10 staff out of 50.

² Number of items (target: 10 items); those covering the basic items in the field of natural environmental conservation, flora, arthropods, reptiles and amphibians, birds, mammals, soil, meteorology, satellite images and aerial photography, social-economical information (name and family structure of land owner, land use, productions, etc.). Number of amount of information (target: 10 point-time); 5 points×2, including 3 points×2 that have been already surveyed.

³ For promoting dissemination (target: 2); 1 for tourist and 1 for local people, in which various activities such as “dissemination through radio program” can be found. For environment education (target: 3); 1 for local people, 1 for teachers, and 1 for tourist.

⁴ Number of improved and/or prepared dissemination materials (target: 12); 8 pamphlets, 2 calendars, 1 uniform, 1 poster and 1 panel. Number and quality of improved and/or prepared educational materials (target: 2); 1 guidebook and 1 audio-visual material.

⁵ Dissemination programs (target: 7 cases); 5 for local people and 2 for tourists. Environment education programs (target: 17 cases); 5 for local people with approximately 10 participants, 6 for teachers with approximately 20 participants, and 6 for tourists with approximately 60 participants.

⁶ Number of participating organizations (target: 8 in 3 categories); 8 organizations that are expected to take part in the pilot program implementation, mainly in the private sector and with full-time staff, in 3 categories, i.e. 1) accommodation and food services, 2) services in the fields of eco-friendly activities, 3) transportation. Number of participating individuals (target: 90 persons); approximately 20 persons in construction, 50 participants in

	Summary	Indicators
	of sustainable natural resource utilization through the implementation of a pilot program. Then, to transfer the acquired knowledge and experience to the local people.	<p>program after the project is ended, the distribution of tasks among the participating organizations, dissemination methodology among local people, proposals of valid initiatives for the area, etc.).</p> <p>3.2 Quantity of organizations (8 civil organizations in the 3 categories) and individuals (90) who participated in the pilot program.⁶</p> <p>3.3 Quantity and volume of subjects (6 subjects) of gathered data through the pilot program.⁷</p>

1.6 Operation Plan

General operation plan base done the activities of PDM, Table 1.5.

Box 1

Regarding “TRAINING” in order to improve the capacity to manage the natural environment

The word “training” has different meanings in the Project that has as an objective to improve the capacity of involved institution employees to manage the natural environment. The possible meanings are,

- ▶ Guidance through meetings and daily discussions
- ▶ Courses
- ▶ Seminars
- ▶ Workshops
- ▶ Practical cases
- ▶ Field trips

Then, the high understanding about environment conservation would not stop in executing institutions employees. It makes sense if the understanding reaches other organizations, local people and tourists. Next, these options will be executed separately or combined and classified according to the following ways:

- (1) JICA experts → Employees of the involved institutions
- (2) JICA experts + Employees of the involved institutions → other personnel of the involved institutions, teachers, local people and tourists
- (3) JICA experts + Counselors → Employees of the involved institutions, teachers, local people and tourists
- (4) JICA experts + Employees of the involved institutions + Counselors → other personnel of the involved institutions, teachers, local people and tourists

environment education programs, 20 persons engaging in services such as car rental, tour guide, and the like.

⁷ Number of items (target: 6 items); those covering the basic items for starting and operating the pilot program, seen in the attached list.

1.7 Distribution of functions among the executing institutions

To develop concrete cooperative activities, it is necessary to assign clearly the functions among the executing institutions. At the time of mid term evaluation in fiscal year 2006, each institution functions distribution was readjusted as follow.

Table 1.6 Terms of reference for the C/P organizations (1)

Project summary	Main organization in charge	Assistant organization in charge
1. Information and data about the project area natural environment will be organized in such a way that it will be possible to use it and share it among the participants' institutions.	APN	MERNRyT
2. The execution capacity will be increased in relation to the dissemination and environmental education programs for the natural environment conservation targeting local people and tourists.	MERNRyT	APN
3. Knowledge and experience about the sustainable use of natural resources will be accumulated through the implementation of the pilot program	MERNRyT	MCA

Table 1.7 Terms of reference for the C/P organizations (2)

Narrative Summary	MERNRyT	APN	MCA
1	<ol style="list-style-type: none"> To collect, compile and submit information on satellite image of the project area to the project To collect, compile and submit information about natural environmental situation of provincial parks and the surrounding area (5-8 items out of 10) to the project To plan and implement seminars for sharing information, i.e. partnership projects, in Posadas and Andresito Municipality (at least once a year) To participate in the operation of the plan that is to be prepared by ANP 	<ol style="list-style-type: none"> To collect, compile and submit information about natural environmental situation of national park and the surrounding areas (5-8 items out of 10) to the project. To plan and implement seminars for sharing information, i.e. partnership projects, in Puerto Iguazu and Andresito Municipality (at least once a year) To Prepare a plan for effective sharing and utilization of the information and data on natural environmental situation in the project area To Coordinate with MERNRyT and Andresito Municipality on the draft of the plan To formulate the draft plan to share and utilize information and data on natural environment using the Yacu-í Joint Use Office (which is a core station to implement natural environment management in target area) 	<ol style="list-style-type: none"> To Collect, compile and submit information about socio-economic situation in Andresito Municipality (1 item out of 10) to the project To Participate in the operation of the plan that is to be prepared by ANP
2	<ol style="list-style-type: none"> To Plan and prepare programs and materials for dissemination targeting tourists, including potential 	<ol style="list-style-type: none"> To Assist MERNRyT and Andresito Municipality in their planning and preparing programs and materials for 	<ol style="list-style-type: none"> To Plan and prepare programs and materials for dissemination targeting local people, e.g. radio programs,

Narrative Summary	MERNRyT	APN	MCA
	<p>tourists, e.g. homepage and pamphlets</p> <ol style="list-style-type: none"> 2. To Implement the prepared dissemination programs targeting tourists in the whole Misiones province and also in other provinces of the country 3. To Implement the prepared environmental education programs 	<p>dissemination targeting tourists and local people respectively</p> <ol style="list-style-type: none"> 2. To Coordinate with MERNRyT and Andresito Municipality in their planning and preparing of 3 kinds of programs, i.e. 1 for local people, 1 for teachers, and 1 for tourists, and materials for environmental education and to allocate tasks among the three C/P organizations, including APN itself 3. To Implement the prepared dissemination programs targeting tourists in Puerto Iguazu 4. To Implement the prepared environmental education programs 	<p>posters, calendars and uniforms</p> <ol style="list-style-type: none"> 2. To Plan and prepare programs and materials for dissemination targeting tourists, including potential tourists, e.g. panel 3. To Implement the prepared dissemination programs targeting local people and tourists in Andresito Municipality 4. To Implement the prepared environmental education programs
3	<ol style="list-style-type: none"> 1. To Prepare draft proposals on promotion of eco-tourism in the project area 2. To Facilitate related organizations in the province to participate in the actions for eco-tourism promotion which is prepared as the draft proposals 3. To execute the management and operation of the pilot program. (The supervision will be accomplished by the Management Committee of the pilot program) 4. To Collect, compile and submit information and data obtained through the implementation of the pilot program mainly to the private sector and other organizations in the province 	<ol style="list-style-type: none"> 1. To Facilitate related organizations mainly in Puerto Iguazu to participate in the actions for eco-tourism promotion which is prepared as the draft proposals 2. To Assist MERNRyT and Andresito Municipality in the management and operation of the pilot program 	<ol style="list-style-type: none"> 1. To Assist MERNRyT in preparing draft proposals on promotion of eco-tourism in the project area, especially in collecting socio-economic information of the project area and keeping correlations between the draft proposals and the conditions in the project area 2. To Facilitate related organizations mainly in Andresito Municipality to participate in the actions for eco-tourism promotion which is prepared as the draft proposals 3. To Assist MERNRyT in the management and operation of the pilot program. 4. To Collect, compile and submit information and data obtained through the implementation of the pilot program mainly to the private sector and other organizations in the municipality

1.8 Argentinean counterpart disposition

The objects of evaluation (C/P) for the counterparts who worked daily with the experts of JICA are indicated in the Table 1.8.

Table 1.8 List of evaluation object counterparts

Institutions	Full name	Position (function in working groups)	Training in Japan	Project' work term (Till March of 2007)
MERNRyT	Da Rosa, Mabel (F)	Provincial Park Ranger (2)	None	19 months from September 2005
	Schroder, Mónica (F)	Idem (2)	None	13 months from March 2006
APN	Chaves, Hugo (M)	Technician, PNI (1, 2, 3)	Environment conservation of fiscal year 2005	36 months from April 2004
	Belloni, Cecilia (F)	PNI Park Ranger (2)	Environment conservation of fiscal year 2006	20 months from August 2005
MCA	Aap, Marcelo (M)	Representative of the Secretary of Tourism, Environment and Sports (1, 2, 3)	Environment conservation of fiscal year 2005	36 months from April 2004
	Bogado, Mauricio (M)	Employee of the Secretary of Tourism, Environment and Sports (2, 3)	Environment conservation of fiscal year 2006	36 months from April 2004

Note) Working groups function numbers correspond to Outputs 1, 2 and 3.

Chapter 2 Project outputs

2.1 Project implementation structure

Project implementation structure chart is shown below.

In Argentina, it is pointed out that it is difficult for the federal, provincial and local levels to work in cooperation with each other. However, during the project period the Joint Coordination Committee Meetings were held 7 times (including the extraordinary ones) and Working groups were held 11 times. Because of counterpart coordination, meetings could be planned and executed continuously and that is the benefit for the employees, who raise their coordination capacity.

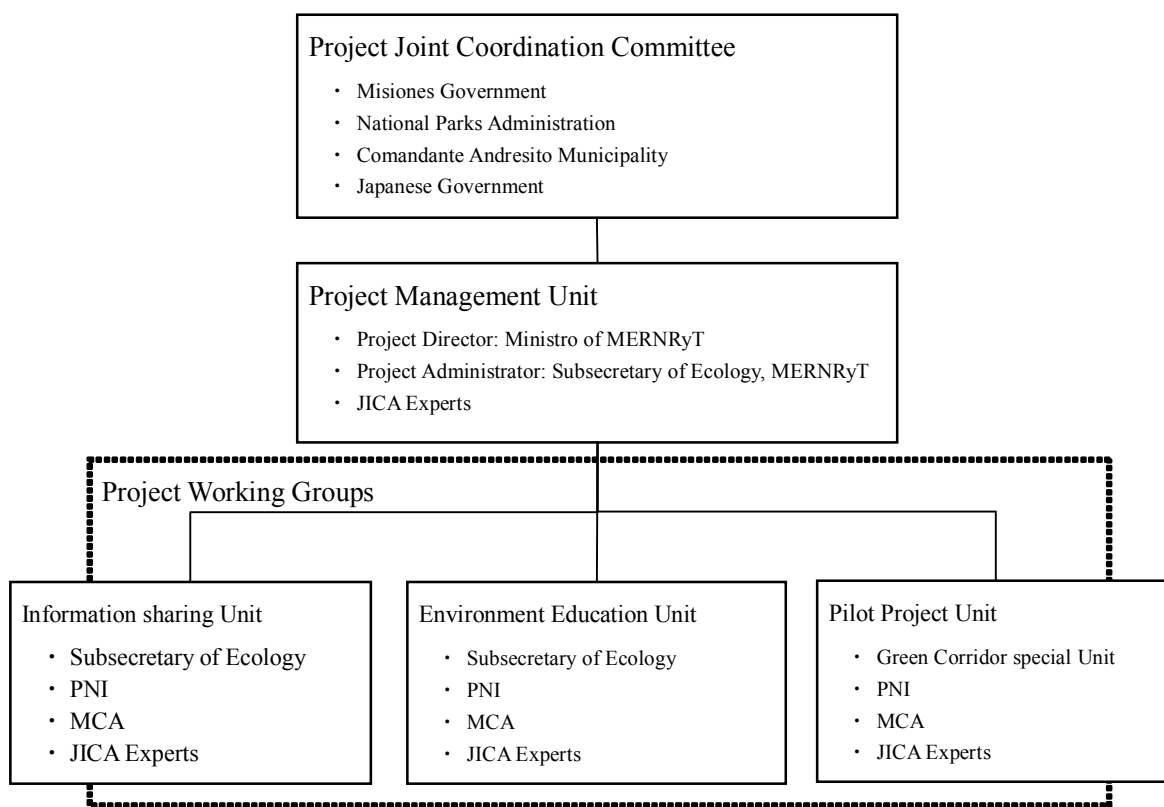


Figure 2.1 Project implementation structure

Table 2.1 Function of each unit

Unit	Function
Project Joint Coordination Committee	Approval of the Annual Plan Monitoring and evaluation of the progress and results of the annual plan. Decision and proposal for outstanding business of introduction in the project.

Unit	Function
Project Management Unit	Coordination of Joint Coordination Committee and the Working Groups Preparation and application of official documents about bi-national cooperation by JICA
Project Working Groups	Planning, execution, monitoring and coordination of the activities related to the results expected from the project. Preparation and delivery of the plan of activities, progress reports and monitoring to Joint Coordination Committee

2.2 Offices of the project

Different offices of three institutions C/P are dispersed a long way from each other as shown in Table 2.2. The object area of the project is within Andresito city. Therefore, to promote activities, JICA experts are stationed in the project office, newly established next to the municipal hall by Andresito Municipality.

Because of Internet and radio equipment furnished, the mutual contact among National Park, Provincial Parks and Ecolodge was possible and the executing institutions started to meet frequently in Andresito. For this reason, the communication between JICA experts and employees was smooth.

To implement joint information and cooperative activities in this project, the Yacuy office in the Iguazu National Park was built. This office is located in the vicinity of Iguazu National Park and Urugua-í Provincial Park, and also next to Caburei area (Cf. Map 1.2). In the Caburei area, a lot of poor Brazilian farmers immigrated to live there and it is an essential object area for environment conservation activities. In this office, during the project, Joint information seminars were held 2 times and Environmental education training was held 1 time. Furthermore, executing institutions employees carried frequently out arrangements, using the office actively.

Table 2.2 Project Offices

Responsible institution	Office name	Working groups members
MERNRyT	Ecolodge Caburé-i*	Da Rosa Mabel**, Schroder Mónica**, Cámara Hugo, Bertotto Paula
	Head office (Posadas) ***	Cattáneo Walter, Rinas Miguel, Silva Darío, others
	Subsecretary of Tourism office (Posadas)***	Kremar Ariel
	Andresito office	Bruera Pedro
	Puerto Iguazu office	Arzamendia Esteban
	PPU Uruzú office	Olivera Onésimo, Abildgaard Gabriel
APN	PNI management office	Fernández Daniel
	PNI, Yacuy office*	Chaves Hugo**, Belloni Cecilia**
MCA	Tourism, sports and environment office*	Aap Marcelo**, Bogado Mauricio**, Antunes Aldo

Note 1) * Principals offices, ** Principals C/Ps, *** The subsecretary of tourism is separated from the head office

building.

Note 2) Work office at December of 2006

2.3 Reinforcement in the unification of the related institutions

Those responsible for exchange and joint information activities are the Iguazu National Park (PNI) and the Ministry of Ecology (MERNRyT).

As regards 1 “the information and data of the natural environment in the area of the Project will be ordered in a way likely to be used, and will be used among the related institutions”, the results will be commented on based on the indicators.

2.3.1 Plan of handling after the ending of the project

This plan of administration is a plan to order the information and data of the natural environment in the area of the project to make it possible to use it among the related institutions even when the project is over. This plan has been discussed by the employees of APN and MERNRyT ; its result is written as “Natural Environment Information Handbook”.

The execution of the Natural Environment survey, through the Manual elaboration, collecting and offering information and data related to natural environment, made the C/P raise their capacity till the execution of it.

2.3.2 Activities (projects) cooperatives

The cooperative activities, as the nucleus of the different three institutions and to improve the capacity of environment management in the Iguazu region, are the seminars, workshops, courses and training visits carried out jointly out for sharing the information.

Further, regarding the other project activity that is the dissemination and environmental education, whether the 3 institutions execute them jointly, in order to make a distinction between the outputs that is not considered a cooperative activity.

The value of the indicator of the quantity of combined activities is of 6 times and the value of the indicator in quantity of participant people is 50 out of 470 people, the actual result inferred from the chart 2.1 The employees who participated more than once: 26 from MERNRyT, 22 from APN (including 5 people from “Rangers training and formation center in Córdoba Province”) and 7 from MCA.

The capacity of C/P in coordination among related institutions and offering information and data was raised through those actions and they could be carried out without JICA experts’ support.

Table 2.3 Cooperative activities

Phase	Subject	Date	Quantity of participants
1	Seminar and workshop of the executing institutions (environmental education, pilot program)	28/July and 19/August, 2004	15
2	Common possession of information with NGOs	9/August, 2005	10
	Report of the training course in Japan (about the utilization of Japan protected areas)	11/January, 2006	13
	Visit to environmental education venues	18/January, 2006	4
	Green Corridor/ Ecological corridor	24/January, 2006	10
	Marketing	2/February, 2006	5
	Administration	2/February, 2006	8
3	Satelite Images	13/June, 2006	11
	Existing animals information	19/July, 2006	18
	Protected areas management	25, 26/October, 2006	32

Table 2.4 List of participants (executing institution employees) in seminars

Institution	Full name	Participation times
APN/PNI	Acevedo, Eugenia	1
APN/PNI	Herrera, Justo	1
APN/PNI	Caradonna, Angel	2
APN/PNI	Camposano, Monica	1
APN/PNI	Crosta, Daniel	1
APN/PNI	Sallenave, Ana	1
APN/PNI	Cieslik, Jorge	1
APN/PNI	De la Torre, Daniel	1
APN/PNI	Chaves, Hugo	7
APN/PNI	Bardasi, Juan Cruz	1
APN/PNI	Figueredo, Lorena	1
APN/PNI	Fernández, Daniel	1
APN/PNI	Blazina, Ana Paula	1
APN/PNI	Georgopulos, Adrian	1
APN/PNI	Belloni, Cecilia	3
APN/PNI	Benítez, Claudia	1
APN/PNI	Muñoz, Sandra	1
APN/CG	Ochoa Fernando Néstor	1
APN/CG	Ochoa Marcelo Livio	1
APN/CG	Quintana Carlos	1
APN/CG	Jaimes Mario	1
APN/CG	Amthauer Raúl Ariel	1
MCA	Aap, Aldo	2
MCA	Aap, Marcelo	6
MCA	Yans, Diego	1
MCA	De Morais, Fransisco	1
MCA	Bacilio, Fabián	1
MCA	Bogado, Mauricio	5

Institution	Full name	Participation times
MCA	Balera, Zalindo	1
MERNRyT	Abildgaard, Gabriel	3
MERNRyT	Araujo, Yago	4
MERNRyT	Araujo, Diego	1
MERNRyT	Arzamendia, Esteban	1
MERNRyT	Alejandra, Marin	1
MERNRyT	Welcz, Segismundo	6
MERNRyT	Cámara, Hugo	1
MERNRyT	Eduardo Sergio	1
MERNRyT	Olivera, Onésimo	2
MERNRyT	Ortega, Eliseo	2
MERNRyT	Cattáneo, Walter	1
MERNRyT	Gabilán, Perla	1
MERNRyT	Clelia, De Lima	1
MERNRyT	Gonzales, Daniel	2
MERNRyT	Schroder, Mónica	1
MERNRyT	Zemunich, Víctor	1
MERNRyT	Sorol, Federico	4
MERNRyT	Da Rosa, Mabel	1
MERNRyT	Chudy, Mariano	1
MERNRyT	Dos Santos, Victor	1
MERNRyT	Pizzio, Esteban	2
MERNRyT	Foletto, Fernando	3
MERNRyT	Bruera, Pedro	2
MERNRyT	Bertotto, Paula	2
MERNRyT	Pereyra Patricia, Lorena	1
MERNRyT	Poisson, Estela Lindo	1

CG : Rangers training center

2.3.3 Quantity of items and volumes of the information that have been shared among the involved institutions

Because of all the kinds of training and equipment purchased, the C/P raises their capacity to gather, order and offer information and data. As a result, the following information (10 items / 10 seasons/points ⁸) was exchanged.

Table 2.5 Subjects – Quantity of common possession information

10 Subjects of common possession	Quantity											
Flora (Trees and herbs)	<table border="1"> <thead> <tr> <th>Season</th> <th>Point</th> </tr> </thead> <tbody> <tr> <td>August of 2004 (Winter)</td> <td> <ul style="list-style-type: none"> • Caburei • La Blanquita • Andresito *1 </td> </tr> <tr> <td>October of 2004 (Spring)</td> <td> <ul style="list-style-type: none"> • Caburei • La Blanquita • Andresito </td> </tr> <tr> <td>September of 2006 (Spring)</td> <td> <ul style="list-style-type: none"> • Cametti Provincial Park • Isla Grande Provincial Park </td> </tr> <tr> <td>November of 2006 (Spring)</td> <td> <ul style="list-style-type: none"> • Urugua-í Provincial Park • Deseado *2 </td> </tr> </tbody> </table>		Season	Point	August of 2004 (Winter)	<ul style="list-style-type: none"> • Caburei • La Blanquita • Andresito *1 	October of 2004 (Spring)	<ul style="list-style-type: none"> • Caburei • La Blanquita • Andresito 	September of 2006 (Spring)	<ul style="list-style-type: none"> • Cametti Provincial Park • Isla Grande Provincial Park 	November of 2006 (Spring)	<ul style="list-style-type: none"> • Urugua-í Provincial Park • Deseado *2
	Season	Point										
	August of 2004 (Winter)	<ul style="list-style-type: none"> • Caburei • La Blanquita • Andresito *1 										
	October of 2004 (Spring)	<ul style="list-style-type: none"> • Caburei • La Blanquita • Andresito 										
	September of 2006 (Spring)	<ul style="list-style-type: none"> • Cametti Provincial Park • Isla Grande Provincial Park 										
November of 2006 (Spring)	<ul style="list-style-type: none"> • Urugua-í Provincial Park • Deseado *2 											
*1 Near Andresito town area and rural area limit line (Near Ecolodge Caburé-i)												
*2 Next to Urugua-í Provincial Park private land												
Arthropods	Idem											
Amphibians	Idem											
Reptiles	Idem											
Birds	Idem											
Mammals	Idem											
Soil	Idem											
Climate	1995 – 2004 temperatures, precipitation data											
Satellite Images Aerial Photographs	Satellite images: 2001, 2003 and 2005 Aerial photographs: August of 2004 (PNI including Caburei and border area with Andresito, La Blanquita, Ecolodge and its surrounding area)											
Social Economy	Land use survey Target area: The Green Corridor in the project area (About 20,000 Ha.) Survey period: From March to June of 2005 Particular items: Land owner name, family composition, land use, agricultural products Quantity of data cases: About 360 data cases Quantity of illegal actions cases in National Park and Provincial Parks Data from 2003 to 2005											

⁸ 10 Seasons (S) / Point (P) is: Survey season and survey point product is equal to 10. Argentinean seasons (4 seasons) are: Spring September 21st to December 21st, Summer December 21st to March 21st, Autumn March 21st to June 21st, Winter June 21st to September 21st.

2. 4 Implementation of the Dissemination and environmental education

2.4.1 Quantity and quality of the dissemination and environmental education programs that have been elaborated and improved

(1) Dissemination programs

Dissemination programs activities targeted a large number of residents and tourists, excluding executing institutions employees, and 2 types of them were executed, one for tourists and the other for local people.

Regarding the home page, the C/P recognizes the effectiveness and they could offer information and data (however, the update depends on MERNRyT technical employees or professional technicians). Regarding FM radio, the C/P could plan and execute it by themselves.

Table 2.6 Dissemination programs

Target	Mean	Content
Tourists	Webpage	Fiscal year 2006 version www.proyectocaburei.com.ar Fiscal year 2004 and 2005 version www.misiones.gov.ar/proyectocaburei
Local people (About 10,000 persons)	FM Radio	From September to December of 2005: Twice a week, total 30 broadcastings In 2006: Every week on Tuesday (11:00 – 11:30) broadcasts Contents were environment conservation generally

(2) Environmental education programs

Before project beginning, not a single person made an environmental education program in the subject area. The target group of the Environmental education in the present project is the employees of the executing institutions and the people who at last receive the message of the conservation for the environment, who are the local inhabitants and the tourists. Therefore, in the programs of environmental education, it was planned to specify activities targeting employees of the executing institutions, teachers and tourists. In addition, local teachers, as promoting intermediaries of environmental education in particular had been involved in the project and the activities had succeeded and the possibility of further developing them was sought. As a result, the C/P or the C/P with the cooperation of teachers could plan and draw up programs by themselves.

Table 2.7 Environmental education programs

Target	Activity	Objectives
Employees	Flora training course	<ul style="list-style-type: none"> • Through flora (plants) observation, to understand the relationship among protected areas, ecosystem and man • To understand the methodology for plants observation and research techniques • To acquire skills for transmitting the knowledge related to flora to local people and tourists
	Insects training course	<ul style="list-style-type: none"> • Through insects observation, to understand the relationship among protected areas, ecosystem and man • Insects observation, to understand the research techniques • To acquire skills for transmitting the knowledge related to insects to local people and tourists
	Amphibians and reptiles training course	<ul style="list-style-type: none"> • Through amphibians and reptiles observation, to understand the relationship among protected areas, ecosystem and man • Amphibians and reptiles observation, to understand the research techniques • To acquire skills for transmitting the knowledge related to amphibians and reptiles to local people and tourists
	Birds training course	<ul style="list-style-type: none"> • Through birds observation, to understand the relationship among protected areas, ecosystem and man • Bird watching, to understand the research techniques • To acquire skills for transmitting the knowledge related to birds to local people and tourists
	Mammals training course	<ul style="list-style-type: none"> • Through mammals observation (traces), to understand the relationship among protected areas, ecosystem and man • Mammals observation (traces), to understand the research techniques • To acquire skills for transmitting the knowledge related to mammals to local people and tourists
	Recycling training course	<ul style="list-style-type: none"> • To understand the methods for recycling daily used materials • Through recycling, to acquire the skills to increase the knowledge about natural environment conservation among local people
	Interpretation training course	<ul style="list-style-type: none"> • To understand the methods of natural environmental interpretation
Teachers	Flora training course	<ul style="list-style-type: none"> • Through flora observation, to understand the relationship among flora and human beings • To understand the methodology for plants observation • To understand the techniques for transmitting the knowledge related to flora to students
	Insects training course	<ul style="list-style-type: none"> • Through insects observation, to understand the relationship among insects and human beings • To understand the methodology for insects observation • To understand the techniques for transmitting the knowledge related

Target	Activity	Objectives
		to insects to students
	Amphibians and reptiles training course	<ul style="list-style-type: none"> • Through amphibians and reptiles observation, to understand the relationship among amphibians and reptiles and human beings • To understand the methodology for amphibians and reptiles observation • To understand the techniques for transmitting the knowledge related to amphibians and reptiles to students
	Birds training course	<ul style="list-style-type: none"> • Through birds observation, to understand the relationship between birds and the natural environment that surrounds them • To understand the methodology for birds observation • To understand the techniques for transmitting the knowledge related to birds to students
	Mammals training course	<ul style="list-style-type: none"> • To understand the habitat of the wild mammals of the region • To understand the methodology for mammals observation and research • To understand the techniques for transmitting the knowledge related to mammals to students
	Recycling training course	<ul style="list-style-type: none"> • To understand the methods for recycling daily used materials • Through recycling, to understand the techniques to increase the knowledge about natural environment conservation among students
Tourists	Lecture (seminar, explanation)	• To know the role of protected areas and Green Corridor, their importance and relationship with the society (tourism, recreation, headwaters and formation of water bodies, research, etc.)
	Nature observation	• Through direct nature observation within protected areas, to know the importance of nature conservation
	Tree plantation	• To know the importance of conservation and restoration of the Parana Forest

2.4.2 Quantity and quality of the dissemination material and that of environmental education improved and made.

The quantity fixed for the dissemination material and environmental education are: for dissemination material, 12 types and for environmental education, 2 types. The results are shown in the following table. The capacity of C/P to draw up environmental education and dissemination programs was raised and the C/P could plan and draw it up independently, through the elaboration of those materials.

Under the responsibility of each executing institution, the respective employees will take part in the dissemination of the information and the distribution of the material to the local people and the tourists.

Table 2.8 List of dissemination and environmental education materials

Phase	Materials	Contents	Total number of copies	Institution responsible for distribution and number of copies			
				MERNRyT	APN	MCA	Others
1	Brochure 1	Project presentation (A4, double face, full colored)	2,000	800	300	700	200
	Brochure 2	Comandante Andresito presentation (A4, double face, full colored)	2,000	800	300	700	200
	Brochure 3	Presentation of the PNI activities in Cabure-í (A4, double face, full colored)	2,000	800	300	700	200
	Brochure 4	Green Corridor presentation (A4, double face, full colored)	2,000	800	300	700	200
	Calendar 1	Mural type (with pictures of the Project)	1,200	500	200	400	100
	Calendar 2	Desk type (with pictures of the Project)	1,200	500	200	400	100
2	Brochure 5	Updated project presentation (A4, double face, full colored)	10,000	5,000	1,000	3,000	1,000
	Poster 1	Comandante Andresito presentation (A3, full colored)	500	100	50	200	150
	Uniform	T-shirts for environmental education (counselors and kids)	100	30	10	30	30
	Board (Banner)	Project presentation	4	1	1	1	1
3	Brochure 6	Protected areas presentation (A4, double face, full colored)	2,000	800	500	500	200
	Brochure 7	Pilot program presentation (A4, double face, full colored)	2,000	1,000		200	800
	Handbook	Present the fauna and flora of Andresito (44 pages)	500	100	30	20	350
	Audiovisual Material	Protected areas and water resource gravity, garbage problem presentation, composed of animations / in animations / narrations.	50	5	2	2	41

2.4.3 Real results of the programmes of activities of dissemination and environmental education.

The purpose value and results of dissemination activities and environmental education programs achievements are shown from Table 2.9 to Table 2.12. In these activities, except the activities planned in the project, the number of times that the C/P planned dissemination activities and environmental education programs drastically exceeded the purpose value. In this point, the C/P had raised also their capacity in environmental education and dissemination programs

execution.

Besides this, related to the spreading of environmental education, in the year 2004 a Project logo competition was held among students of primary schools of Andresito. 350 students participated and presented the cabure-i, which led to the ideas of the current logo. In the year 2005, led by the participants in the training course, they elaborated by their own initiative the didactic material (text) for the Environmental Education. Besides, so as to form the future people who will be dedicated to the Conservation of the environment, the creation of an Ecoclub was supported, planned for young people under 25 years old. The members of the club still continue their activities, and the first female president and facilitator of the club, in 2006 was named Provincial Ranger by MERNRyT. Apart from this she develops the dissemination and the environmental education, as well as participating in the national congresses, etc.

Table 2.9 Real results of dissemination activity program and environmental education program

Activity	Target number	Result
Dissemination activities (FM radio program, web page make out, do not include reforms)	7 times (Targeting tourists 2 times, targeting local people 5 times)	7 times (Targeting tourists 2 times, targeting local people 5 times)
Environmental education program	Number of times: 17 times (executing institutions employees 5 times, teachers 6 times, tourists 6 times) Participants' number: 10 executing institutions employees, 20 teachers, 60 tourists, Total: 90 persons	Number of times: 26 times (targeting executing institutions employees 11 times, targeting teachers 9 times, targeting tourists 6 times). However, 7 times executing institutions employees and teachers training were carried out jointly. Participants' number (more than once): 41 executing institutions employees, 71 teachers, 91 tourists, Total: 203 persons.
Dissemination activities planned by C/P	More than once	4 times (including project dissemination)
Environmental education program planned by C/P	More than once	7 times

Table 2.10 Real results of the dissemination activities

Phase	Target	Title	Date	Quantity of participants
1	Local people	Seminar about Nature Conservation in the Iguazu Region	27/05/04	50
	Local people	Provincial Government internal seminar	21/02/05	20
2	Tourists	Ecotourism seminar	27/11/05	40
	Local people	Environmental Education seminar	14/02/06	30
	Local people	Seminar for sharing information	21/02/06	30
3	Tourists	International tourism trade fair	25 - 28/11/06	About 2,000 ⁹
	Local people	Final seminar	01/02/07	About 100

Table 2.11 List of the environmental education activities

Target	Subject	Date (duration)	Quantity of participants
Executing institutions employees	Marquette	29/08/05 (8Hs)	1
	Flora	09-10/10/05 (14Hs)	8
	Insects	05/11/05 (8Hs)	3
	Birds	13/11/05 (9Hs)	9
	Mammals	26/11/05 (6Hs)	9
	Amphibians and Reptiles	10-11/12/05 (12Hs)	8
	Recycling	20-21/11/05 (12Hs)	2
	Interpretation ¹⁰	01-04/10/05 (3 nighths/4 days)	5 ¹¹
	Interpretation	04-05/07/06 (7Hs)	11
	Natural environment survey (1)	23-26/09/06 (3 nighths/4 days)	15
	Natural environment survey (2)	09-12/11/06 (3 nighths/4 days)	15
Teachers	Environmental education (general topic)	28-29/09/04 08-09/11/04	19 ¹²
	Marquette	29/08/05 (8Hs)	13
	Flora	09/10/05 (7Hs)	8
	Insects	05/11/05 (8Hs)	6
	Birds	13/11/05 (9Hs)	4

⁹ Number of pamphlets distributed in the International tourism trade fair

¹⁰ When planning the course of interpretation of the Project, the FVSA was also planning a similar course, therefore they divided the costs with the MERNRyT and executed a unique resource.

¹¹ The participants to this training course were 20 people, 7 rangers of MERNRyT, 1 employee of MCA, 3 guides from Andresito and 5 employees directly related to the project belonging to the executing institutions.

¹² The seminar of Environmental education of the first year was done in 2 parts, the first coordinated by employees of MERNRyT and the second coordinated by employees of APN. Attendance of participants: twice.

Target	Subject	Date (duration)	Quantity of participants
	Mammals	26/11/05 (6Hs)	10
	Amphibians and Reptiles	10-11/12/05 (12Hs)	2
	Recycling	20-21/11/05 (12Hs)	6
	Puppets with recycled dolls	06/07/06 (8Hs)	8
Tourists	Lecture	16/02/05 (1H)	13
	Nature observation	19/11/05 (3Hs)	25
	Tree plantation	22/11/05/ (4Hs)	25
	Dissertation/Interpretation	22-23/08/06	13
	Dissertation/Interpretation	25/11/06 (5Hs)	13
	Dissertation/Interpretation	26/11/06 (5Hs)	13

Table 2.12 Dissemination and environmental education activities planned mainly by Argentinean counterparts

	Target	Subject	Date	C/P name
Dissemination activities	Local people, Tourists	Project presentation (Farmers festival)	September, 2004	Cámara, Hugo (MERNRyT)
	Local people, Tourists	Project presentation (Farmers festival)	September, 2005	Cámara, Hugo (MERNRyT) Aap, Marcelo, Bogado, Mauricio (MCA) Chaves, Hugo (APN)
	Local people	Seminar and exhibition of environmental education	17-18 /11/ 2005	Chaves, Hugo (APN)
	Local people	Seminar and exhibition of environmental education	30/11-01/12/2006	Belloni, Cecilia (APN) Da Rosa, Mabel (MERNRyT)
Environmental education program	Local people	Lectures in several schools	November, 2005	Chaves, Hugo, Belloni, Cecilia (APN)
	Local people	Earth day	22/04/2006	Belloni, Cecilia (APN) Da Rosa, Mabel (MERNRyT)
	Local people	Visiting schools of "Depend on us"	From May to September 2006	Schroder, Mónica (MERNRyT)
	Local people	Visiting schools of "Our hands"	From July to October 2006	Da Rosa, Mabel (MERNRyT)
	Local people	Planting trees (Farmers festival)	August, 2006	Schroder, Mónica, Da Rosa, Mabel (MERNRyT)
	Local people	PNI visit by primary students, Andresito visit	November, 2006	Belloni, Cecilia (APN)
	Local people	Environmental education audio visual material show	15/12/ 2006	Da Rosa, Mabel (MERNRyT)

Table 2.13 List of participants in courses of environmental education

Institution	Full name	Frequency
APN/PNI	Belloni, Cecilia (CP)	7
APN/PNI	Chaves, Hugo (CP)	7
APN/PNI	Livas, Alicia	1
APN/PNI	Georgopulos, Adrián	2
APN/PNI	Melzew, Ricardo	2
APN/PNI	Herrera, Justo	2
APN/PNI	Cerutti, Javier	2
APN/PNI	Giménez, Luciano	2
MCA	Yans, Diego	1
MCA	Bogado, Mauricio (C/P)	2
MCA	Aap, Marcelo (C/P)	2
MERNRyT	Da Rosa, Mabel (CP)	8
MERNRyT	Schroder, Mónica (C/P)	12
MERNRyT	Camara, Hugo	3
MERNRyT	Abildgaard, Gabriel	1
MERNRyT	Bertotto, Paula	3
MERNRyT	Araujo, Yago	6
MERNRyT	Chudy, Mariano	3
MERNRyT	Gabilán, Perla	2
MERNRyT	Peryra, Lorena	2
MERNRyT	Welcz, Segismundo	2
MERNRyT	Foletto, Aloisio	7
MERNRyT	Foletto, Fernando	7
MERNRyT	Jiménez, Miguel	4
MERNRyT	Olivera, Norberto	4
MERNRyT	Olivera, Onésimo	3
MERNRyT	Pizzio, Esteban	3
MERNRyT	Zemunich, Victor	3
MERNRyT	Ortega, Eliseo	1

Institution	Full name	Frequency
MERNRyT	Patzer, Javier	2
MERNRyT	Araujo, Diego	1
MERNRyT	Fonseca, Francisco	1
MERNRyT	Felix, Kolacheski	2
MERNRyT	Tejeda, Facundo	1
MERNRyT	Bruera, Pedro	1
MERNRyT	Doria, Martín	1
MERNRyT	Poisson, Estela Lindo	1
MERNRyT	Marín, María Alejandra	1
MERNRyT	Franco, Héctor	1
MERNRyT	Radins, José	1
MERNRyT	Brodzicz, Stella Maris	1
Teacher		
EFA	Arnhold, Karina	4
EFA	Baumkratz, Cecilia	8
Bachillerato	Burzminski, Alicia	4
C.E.P N° 10	Graef, Mónica	3
N° 707	Horodeski, Mariano	7
Bachillerato	López, Luis	3
N° 707	Mendieta, Rodolfo	6
N° 846	Staudt, Maria Ines	4
N° 846	Vilela, Rubén	7
N° 707	Wertepovicz, Rosa Inés	7
N° 761	Carrizo, Gonzalo	2
N° 554	Castillo, Perla Carolina	2
Aula satélite N° 554	Dal-Rí, Marlene	3
N° 652	Fiedler, Esther Erika	1
N° 802	Friedrich, Angélica	3
EFA	Friedrich, Olga	1

Institution	Full name	Frequency
N° 436	Pereira Rivas, Marta	4
N° 642	Roa, Roberto Fabio	1
N° 802	Sedoff, Miriam Gladys	1
Centro Comunitario Rural Evangélico	Vibas, Susana Noemí	1
N° 565	Villegas, Marcos	5
N° 436	Fabiana, Ramos	3
N° 436	Flores, Claudia Cristina	3
N° 436	Moraez, Eloida	2
C.E.P N° 10	Larrea, Gladis	2
N° 554	Patíño, Nélica	2
N° 642	Glinka, Genoveva	1
N° 642	Zaleski, Mónica	1
N° 642	Stachowski, Hilda	1
N° 652	Steurer, Rosana	2
N° 707	Cardozo, Gladis	1
N° 707	Corrales, Walter	1
N°793	Kosak, José	2
N° 846	Custidiano, Elda	2
N° 707	Smialkowski, Ninfa	1
N° 753	Linental, Zulma	1
N° 753	Rodríguez Dos Santos, Laura	1
N° 793	Marosek, Miriam	1
N° 802	Díaz, Ramón	2
N° 802	Ferragut, Elida	1
IPSA	Oszurkiewicz, Edith	1
N° 802	Peterson, Raúl	1
C.E.P N° 10	Silvero, Esteban	1
Bachillerato	Proenza, Maribel	1
N° 793	Gularte, Liliana	1

Institution	Full name	Frequency
N° 802	Claro, Agustín	1
N° 757	Santuchi, Sergio	1
EFA	Reckziegel, Mónica	1
EFA	Randón, Luis	1
N° 707	Mbaruque, Mario	2
N° 793	Rojas, Lucía	1
N°761	Ferreira, Juan	2
N° 436	González, Sergio	2
Instituto Belén	Rojas, Ricardo	1
Instituto Belén	Dzikoski, Zunilda	1
C.E.P N° 10	Retanar, Hernán	2
EFA	Smichouski, Jorge	1
N° 565	Luque, José Luis	1
N° 793	Benitez, Patricia Carolina	1
C.E.P N° 10	Cabrera, Daniel	1
IPSA	Becker, Laura	1
N° 793	Krocau, Beatriz	1
N° 793	Belo, Cesar Omar	1
EFA	Zimmer, Egon	1
N° 846	Rodríguez de Oliveira, Marcelo	1
N° 802	Terragut, Elida María	1
N° 462	Díaz, Gladys Mabel	1
N° 554	Spies, Lurdes	1
N° 554	Korniejczuk, Roberto Julio	1
N° 554	Moravicki, Rosana Patricia	1
N° 554	Olivera, Irma	1

Note: Except JICA members, lecturers, assistants and auditors.

Box 2

Regarding the participation of the teachers as promoting go-between of environmental education

In Andresito City, the total quantity of schools (EGB 1, EGB 2, EGB 3 and Polimodal) is 31 (8 is of them, there are satellite classrooms), approximately 4,400 students and 193 teachers (2005 data). However, in reality, there are a lot of students that do not go to schools because of the home situation and it is considered that the number of students are lower than 4,400. The amount of teachers is lower than 193 too, because teachers teach in more than one school.

The educational situation in Andresito shows that most of the schools are dispersed in the countryside. Roads and public transport are in terrible condition. Most of the teachers live in the urban zone and there are a lot of cases that teachers cannot go to work. Also, there are cases that public transport broke and the teacher must walk more than 10 kilometers to arrive at school.

On the other hand, because of the survey made before of the Project beginning, it shows that the respect and confidence in the teacher is high, especially in the countryside. In the survey made before the beginning of the Project, several opinions of the employees of executing institutions indicated that teachers would have an important role in environmental education.

Teachers depend on the Provincial Education Council. The project purpose is to develop the executing institutions employee's capacity, but it is also important that the teachers can cooperate with institutions' employees. Because of that, it was decided that teachers will be the target of training courses too.

Box 3

Ecoclubs

Ecoclubs are non governmental organizations that were created in 1992, set up mainly by kids and young people who develop joint actions with other community organizations in order to improve the life quality of the population. Not only in Argentina an Ecoclubs net was created, but also in Bolivia, Brazil, Chile, Costa Rica, Ecuador, Spain, Guatemala, Honduras, Nicaragua, Panama, Paraguay, Perú, Dominican Republic and Uruguay, with the support of the World Health Organization / Panamerican Health Organization, etc. The objectives of EcoClubs are the following;

- To motivate public participation in the resolution of problems that affect the quality of life.
- To work in the community awareness of the need of public participation in the resolution of problems that affect the ecosystem equilibrium
- To disseminate all the activities that contribute to the well-being of the community, to natural resources preservation and to the achievement of a sustainable development
- To collaborate in the formation of "change agents"

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2. 5 Implementation of the pilot program

2.5.1 Ecotourism of pilot project

The Pilot Project selected ecotourism as a component of a tourism approach for sustainable natural resources utilization. The abundant natural environment brings tourist income into the local economy and the pilot project aims at creating a beneficial cycle between the environment and tourism which also fosters ongoing increased interest in nature conservation among the local people; depending on this income, local people would raise their interest in conservation of the natural environment. With this purpose, the C/P gathered information, accumulated experience and created a model to offer them to the private sector. Furthermore, many institutions and local inhabitants would be involved and the capacity of the C/P for management of the natural environment is aimed to be raised.

Therefore, it was decided to develop the building and management of a campsite with tents as a model Project. The campsite has a lodging capacity for 20 people with food, and during the Project it was proposed to receive, in a test way, groups of tourists, executing the monitoring tours. The visit of Japanese tourists groups in Andresito raised the local people's interest, carrying out training in guidance and other services inside and outside the campsite in the project. For this reason, the interest in natural environment conservation was promoted to local people and raising the level of capacity of the C/P through the activities was planned.

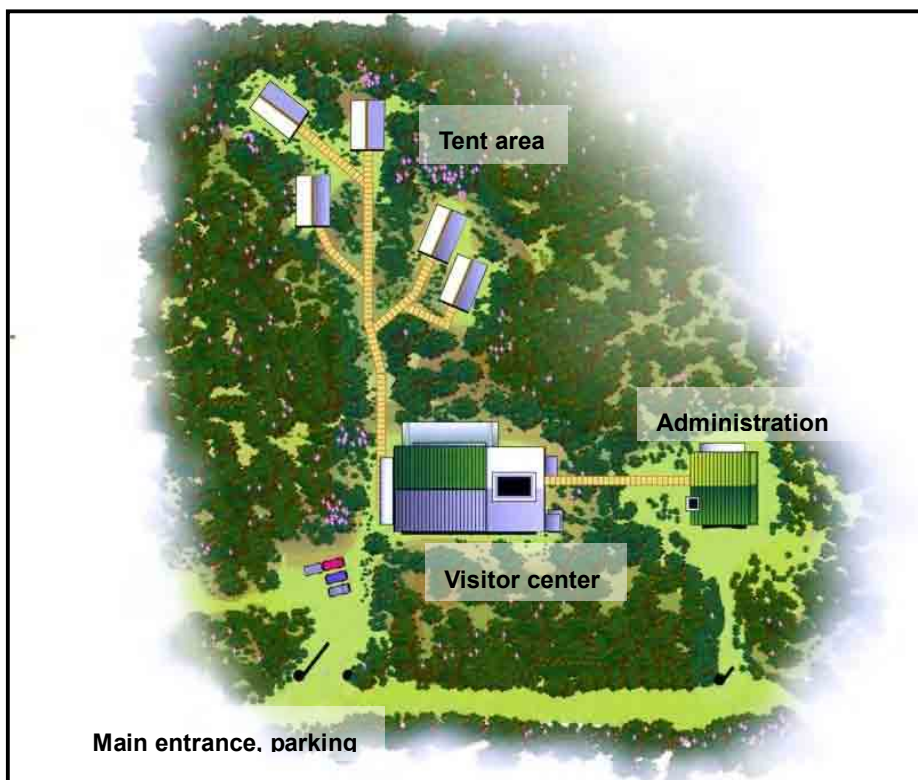


Figure 2.2 Ecodge Ceburé-i facilities location

The organization who begins locally to receive Japanese monitoring tours in particular is the Selva Adentro Cooperative for Tourism Services (CTSA). The CTSA got the official approval as a work cooperative of Misiones government and the federal government.

The campsite was inaugurated in November 2005 and since December of the same year the provincial rangers were stationed and began their duties. In the Joint Coordination Committee meeting held in February 2006, the name “Ecolodge Caburé-i” was given to the campsite. Since then, the mechanism for the administration and management of it is being elaborated. On the other hand, the number of tourists who have visited the Ecolodge Caburé-i, from the end of December 2005 to December 2006, was approximately 1,000 people, making up an important activity in Andresito.

2.5.2 Plan for ecotourism activation (proposal)

The plan for ecotourism activation (proposal) includes responsibilities, tasks distribution among the executing institutions, visitor services system, valid operative proposal (model), etc. of the pilot program campsite once the cooperation is ended.

The MERNRyT and MCA mainly learnt the mechanism of using the natural resources in a sustainable way through the drawing up process of this proposal plan.

(1) Institution in charge and distribution of tasks among three institutions

The entity in charge of the administration of Ecolodge is MERNRyT, being responsible for the general tasks of maintenance and administration, with the commitment of providing rangers and handling the Natural Environment in the estate and around.

The responsibility and distribution of tasks of the related entities, including the CTSA which will be in charge of a part of the management, are specified in the following chart.

Table 2.12 Distribution of function of related institutions

Title	Function / Role
Council of Administration	Made up by: MERNRyT, MCA, CTSA. Tasks: Collaborate and supervise the Executive Director’s activities and the administrator’s. A monthly meeting will take place.
Executive director Representative: MERNRyT Sub director: MCA	<ul style="list-style-type: none"> • General coordination • Instruction to the administrator • Monitoring and recording of experiences • Transference of the experiences to the private sector • Development of the production (development of tourist products) • Elaboration of plans and programmes • Elaboration of operation brochures

Title	Function / Role
	<ul style="list-style-type: none"> • Coordination between the institutions related • Promotion and marketing • Training • Legislation • Others
Administrator of Ecolodge MCA	<ul style="list-style-type: none"> • Administration and operation of Ecolodge according to the approved plans • Administration of the reservations • Administration of timetables in general • Relationship with travel agencies • Purchase • Hiring of workers • Promotion and sales
Control, surveillance and support MERNRyT and MCA	<ul style="list-style-type: none"> • Environmental and hereditary control • Support to the operation in the area of the reserve and Ecolodge • Assistant in the maintenance of the installations and equipment. • Night security in the area of dining room and tents • Night assistance to the clients lodged in the Ecolodge
Service coordinator CTSA	<ul style="list-style-type: none"> • Kitchen • Waiters • Reception
Activities coordinator CTSA	<ul style="list-style-type: none"> • Transport • Coordination of tourist activities • Handling of groups • Special events

(2) Process of concession

The lucrative activities in the Ecolodge will be done based on the contract between the MERNRyT who represents the executing institutions and CTSA which is a civil body. The procedure and the content of the consignment are the following:

■ Procedure

- MERNRyT will sign an agreement with CTSA related to the tasks of concession.
- The CTSA will elaborate and execute the tasks schedule based on the Agreement Certificate.
- The administration problems will be studied by the Director and he will put forward the solution measures to the Administration Council.
- The plans related to the execution of the activities will be informed to the Administration Council.

■ Content of the Consignment

- Promotion and sales
- Reception of booking and consultations of the “Ec lodge”
- Services providing (clearing of the installations, maid, food, laundry, control of bed linen, visitors’ reception and tourism programs).
- Charge of lodging and financial control.

2.5.3 Quantity of institutions and participants in the pilot program

The quantity of institutions and individual participants is shown below.

Like this, the C/P learnt the sustainable management methods of natural resources through the participation of many local people and also could match and coordinate the ecotourism.

Regarding participant institutions, shown below are the participation in the 1st (November of 2004), 3rd (November of 2005) and 9th (November to December of 2006) monitoring tours of total 9 times monitoring tours executions.¹³

Table 2.13 Pilot project participant institutions and individual quantity

Target	Category	Participants	1st time	3rd time	9th time
8 organizations	Food and accommodation offering (Including the camp site) (Target: 3 to 4 organizations)	San Sebastian de la Selva	X	X	X
		Salto Escondido		X	
		La Familia			X
		Lo de Walter	X		X
		Feria Franca / Street market	X		
		Los Robles	X		X
	Programs offering includes place, equipment, work and services (Target: 3 to 4 organizations)	Yerba Mate Cooperative	X	X	X
		Agricultural Families School - EFA	X	X	X
		San Sebastian de la Selva	X	X	X
		CA	X	X	X
		CTSA		*	X
	Transfers offering includes bus company and taxi (Target: 1 to 2 organizations)	Itati			X
	90 people	People related to building services and maintenance: 20 people	20 persons	It refers to the people who were working directly in the pilot project and maintenance of the installations; and at the same time have received the explanation of the important points of the project.	
Training courses participants: 50 people		50 persons	The participants who have received the certificates of the courses attended between September and November 2005 and went on participating in the next courses. (participants more than once)		
Guides People who offered programs: 20 people		20 persons	It refers to the owners of the companies which offered programmes, employees of the related institutions or guides of each activity.		

¹³ 2nd time was executed in February of 2005

*: The trainees of the pilot project training course who later would form the CTSA also participated

2.5.4 Quantity of data about subjects that can be obtained from the pilot program

There are 6 subjects that were gathered in the pilot project. The results of these subjects are shown below.

To gather this data, monitoring tours from Japan were received in the project. Management method, operation method, activities, etc. were examined in monitoring tours. Also, an ecological survey in the Ecolodge forest was conducted by Japanese students and the local Agricultural Families School (EFA) students in the tours, proposed methods for utilization and a different from usual form of tourism was tried. Moreover, in the construction of wooden tent decks, a Japanese carpenter was the guide and, in this activity, a large number of local youth volunteers also participate. These experiences are a precious data for pilot project and the C/P had raised their capacity in sustainable utilization of natural resources.

Table 2.14 Data subjects and its contents

Subject (data)	Results
Building methods	The blueprint and reports of the Administration office were elaborated, Dining hall / Meeting room, Shower room, Tent decks, which are an installation of the Ecolodge.
Administration methods	The following operation manuals were elaborated. <ul style="list-style-type: none"> • Manual of visitors reception and attention • Manual of installations and equipment use • Manual of control points • Emergency manual • Installations and equipment management manual • Night surveillance and night attention manual
Operation methods	A Business plan based on promotions, means of transport, use of the camp site and package tour development was elaborated. Based on this business plan, the operation was consigned to CTSA and a record of it was elaborated (Details are being discussed).
Information about flora and fauna related to ecotourism	Basic information about flora and fauna was gathered in 7 places in the project area (Natural environment survey execution point) for ecotourism development. Also, the following information was collected and ordered for the activities. <ul style="list-style-type: none"> • Bamboo family • Yerba mate (scientific name: <i>Ilex paraguariensis</i>) • Medicinal plants

Subject (data)	Results
Quantity of visitors	Data gathering period: December, 24 th of 2005 – November, 17 th of 2006 Number of visitors: 822 people (meetings and training participation were excluded) Foreign visitors: 55 people (JICA members were excluded) Residents of Misiones: 454 people (Andresito residents are included) Argentinean residents outside Misiones: 159 people Not clear: 154 people (Source: MERNRyT rangers notes)
Activities	The activities carried out were the following: <ul style="list-style-type: none"> ▪ Guarani crafts experience and visit to the Guarani community ▪ Iguazu River navigation (Iguazu River) ▪ Yerba mate and visit to the Andresito Yerba Mate Cooperative establishment ▪ Visit to the medicinal plants tour ▪ Visit to the Urugua-í Provincial Park (PPU) ▪ Local community exchange program ▪ Local gastronomic experience ▪ Horse riding ▪ Nature observation at night ▪ Bike riding

2. 6 The natural environment management capacity of the Counterpart

Each item for natural environment capacity was evaluated in the final evaluation, from the viewpoint of: Without the support of JICA experts you “cannot (1)” ~ “can (5)”, in 5 ranks. The 6 C/P target of evaluation by self evaluation is shown below. More than 2 persons had self evaluated that they could make it without JICA experts support in 14 of 15 specifications into 6 items. Because of the above mentioned achievements, it is judged that the capacity of natural environment management of the executing institutions employees, represented by evaluation target counterpart, is certainly raised.

Table 2.15 Self evaluation of C/P target of evaluation in natural environment management capacity

Capacity for the natural environment management			Before and terminal of the project	Gradual evaluation (1 – 5) and number of the C/P (total 6 persons) per point				
				1	2	3	4	5
a)	Capacity to gather, organize and present information and data	Elaboration of the program for gathering information and data	Before	1	4			1
			After		1		3	2
	Proper gathering of information and data		Before		2	2	2	
			After			1	2	3

Capacity for the natural environment management			Before and terminal of the project	Gradual evaluation (1 – 5) and number of the C/P (total 6 persons) per point				
				1	2	3	4	5
		Ordering information and data	Before		2	2	1	1
			After				3	3
		Sharing information and data	Before	2	1	2	1	
			After				3	3
b)	Capacity for measuring the coordination with the involved institutions	Proposals of a joint planning with the involved institutions (meetings, seminars, workshops, conferences, courses, trips, etc.)	Before	1	4		1	
			After				1	5
	Coordination of the joint planning execution	Before	2	3		1		
		After				1	5	
c)	Capacity for developing and improving dissemination and environmental education programs	Planning, elaboration and improvement of the dissemination program	Before		2	3		1
			After				2	4
	Planning, elaboration and improvement of the environmental education program	Before		3	2		1	
		After				3	3	
d)	Capacity for developing and improving dissemination and environmental education materials	Planning, elaboration and improvement of the dissemination materials	Before	1	3	2		
			After				5	1
	Planning, elaboration and improvement of the environmental education materials	Before		4	2			
		After			1	3	2	
e)	Capacity to execute the dissemination and environmental education programs	Execution of the dissemination program	Before		2	2		2
			After				2	4
	Execution of the environmental education program	Before		1	3	1	1	
		After				1	5	
f)	Capacity for the sustainable use of natural resources	Knowledge of the natural resources (wild fauna and flora)	Before		1	2	1	2
			After					6
		Planning of the methods for the sustainable use of natural resources (indirect use or very low impact use)	Before	2	3	1		
			After			1	2	3
		Real cases of sustainable use of natural resources	Before	1	3	2		
			After			1	1	4

Chapter 3 Real results contributions

3.1 Operative personnel (the experts)

Taking into account the Table 3.1, the people dedicated to the operation (sent experts) have been selected the following way. Of these people, A, B and F are to be assessed, and C, D, E, G and H are out of the evaluation.

- They have experience in executant projects related to the natural environment out of Japan, and also have knowledge and experience about problems of the environment in Japan.
- They have experience and knowledge about the conservation of the natural environment, management of protected areas, natural resources, environmental education, ecotourism, etc. in Japan.
- They have experience in executing projects related to the environment such as management of protected areas in Latin America.
- They have the capacity of communication and control of personnel (health) necessary for the execution of tasks.

Table 3.1 List of dispatched experts

Expert	Responsibility	Name	Origin
A	Social Development / Project director	Noboru Matsushima	JWRC
B	Environment Conservation	Kazuhiro Yamase	JWRC
C	Ecotourism 1	Nobuyuki Yagi	JWRC
D	Ecotourism 2	Yasuo Kakehi	JWRC
E	Ditto	Kazu Nakajima	JWRC
F	Protected areas management / Project coordinator	Mitsuru Watanabe	JWRC
G	Environmental Education	Hiromoto Osaki	JWRC
H	Natural resources participatory management	Naoyuki Sato	JWRC

JWRC: Japan Wildlife Research Center

3.2 Real results of the affected personnel

Real results of the affected personnel are shown in Table 3.2

Table 3.2 Real results of the affected personnel

Fiscal year	Year 2004												Year 2005												Year 2006												Year 2007	M/M (Man/Month)						
	Phase 1 (fiscal year 2004)												Phase 2 (fiscal year 2005)												Phase 3 (fiscal year 2006)													Phase			Phase			
Cooperation period		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	1	2	3	Total
A Noboru Matsushima	Plan				5	50	5						5	50	5			3	27	7				5	40	5		5	25	5				5	35	5	3.33	2.23	2.00	7.56				
	Result				5	50	5							5	50	5			3	27	7				5	40	5		5	25	5				5	35	5	0.67	0.67	0.67	2.00			
B Kazuhiro Yamase	Plan				5	25	5						5	25	5				5	25	5				5	25	5							5	25	5	1.67	1.67	0.83	4.17				
	Result				5	25	5							5	25	5				5	25	5				5	25	5							5	25	5	0.67	0.67	0.33	1.67			
C Nobuyuki Yagi	Plan				5	25	5						5	25	10	5				5	25				5	25											1.67	1.67	0.00	3.33				
	Result				5	25	5							5	25	10	5				5	25				5	25										0.67	0.33	0.00	1.00				
D Yasuo Kakehi	Plan				5	25	5																														0.83	0.00	0.00	0.83				
	Result				5	25	5																														0.33	0.00	0.00	0.33				
E Kazu Nakajima	Plan													5	25	5																					0.83	0.00	0.00	0.83				
	Result													5	25	5																					0.33	0.00	0.00	0.33				

3.3 Summary of each personnel work (in Argentina and Japan)

The general work quantity and each personnel work contents and quantity are shown below.

Table 3.3 Work quantity

	Phase 1 (fiscal year 2004)	Phase 2 (fiscal year 2005)	Phase 3 (fiscal year 2006)	Total
Work in Argentina (M/M)	36.34	30.90	28.73	95.98
Work in Japan (M/M)	4.17	2.50	2.01	8.67
Total (M/M)	40.51	33.40	30.74	104.65

Table 3.4 Each personnel work contents and quantity

Responsibility	Work in Japan	Work in Argentina	Quantity of work (M/M)
A	<ul style="list-style-type: none"> ▪ He compiled and analyzed the necessary information for social development. ▪ He advised about the correct performance of the work in Argentina. ▪ He elaborated the report. 	<ul style="list-style-type: none"> ▪ He guided the compilation and ordering of the information from the involved institutions that are necessary for social development. ▪ He developed the guide and gave advice for the general performance of the project in the joint Coordination Committee of the working groups with the involved institutions. ▪ He made the orientation for sharing the information necessary for the environment management (about social development) in the seminar/workshop. ▪ He produced reports. ▪ He directed general activities. 	Work in Japan
			2.00
B	<ul style="list-style-type: none"> ▪ He compiled and analyzed the necessary information for environment conservation. ▪ He advised about the correct performance of the work in Argentina. ▪ He elaborated the report. 	<ul style="list-style-type: none"> ▪ He guided the compilation and ordering of the information from the involved institutions that are necessary for environment conservation. ▪ He participated in Working groups meetings and discussed and supported executing institutions about measures of natural environment conservation. ▪ He executed sharing the information necessary for the management of the environment, holding seminars and training workshops. ▪ He oriented the coordination of activities of ecotourism training of pilot project. ▪ He oriented the coordination of activities of programs development and implementation of pilot project. 	Work in Japan
			1.67
C	<ul style="list-style-type: none"> ▪ Materials and information (pilot project program, operation) analysis. 	<ul style="list-style-type: none"> ▪ He oriented the gathering and ordering of data (the programme and administration of the pilot project) 	Work in Argentina
			4.17
			Work in Japan

Responsibility	Work in Japan	Work in Argentina	Quantity of work (M/M)
	<ul style="list-style-type: none"> ▪ He advised about the correct performance of the work in Argentina. 	<ul style="list-style-type: none"> ▪ He executed the training on common use of natural environment management necessary information. ▪ He executed the training on administration and maintenance of the installations of the pilot project. ▪ He oriented the ecotourism training. ▪ Gave directions to share the idea of the pilot project among the involved institutions. ▪ Through the execution of pilot project, he oriented the development of programs and operation system. 	<p style="text-align: center;">1.00</p> <hr style="border-top: 1px dashed black;"/> <p style="text-align: center;">Work in Argentina</p> <hr style="border-top: 1px dashed black;"/> <p style="text-align: center;">3.33</p>
D	<ul style="list-style-type: none"> ▪ Gathering and analyzing necessary information for hard part (installation blueprint, construction management). ▪ He advised about the correct performance of the work in Argentina. 	<ul style="list-style-type: none"> ▪ He oriented the gathering and ordering of the information necessary for the hardware of the pilot project. ▪ He executed the training on common use of natural environment management necessary information (production of ecotourism implementation proposal) 	<p style="text-align: center;">Work in Japan</p> <hr style="border-top: 1px dashed black;"/> <p style="text-align: center;">0.33</p> <hr style="border-top: 1px dashed black;"/> <p style="text-align: center;">Work in Argentina</p> <hr style="border-top: 1px dashed black;"/> <p style="text-align: center;">0.83</p>
E	<ul style="list-style-type: none"> ▪ Gathering and analyzing necessary information for hard part (installation blueprint, construction management). ▪ He advised about the correct performance of the work in Argentina. 	<ul style="list-style-type: none"> ▪ He oriented the gathering and ordering of the information necessary for the hardware of the pilot project. ▪ He oriented the common use information for pilot project among the executing institutions. 	<p style="text-align: center;">Work in Japan</p> <hr style="border-top: 1px dashed black;"/> <p style="text-align: center;">0.33</p> <hr style="border-top: 1px dashed black;"/> <p style="text-align: center;">Work in Argentina</p> <hr style="border-top: 1px dashed black;"/> <p style="text-align: center;">0.83</p>
F	<ul style="list-style-type: none"> ▪ He compiled and analyzed the necessary information for the protected areas management. ▪ He advised about the correct performance of the actions to be carried out in Argentina. ▪ He elaborated the report. 	<ul style="list-style-type: none"> ▪ He was in charge of the purchase, set up and management of the project equipment. ▪ He guided the joint elaboration of a plan to share information and data about the project area environment, through the organization of a cooperation system among the involved institutions. ▪ Directed the classification and sharing of the information, through Internet, brochures and seminars. ▪ Guided the sharing of information about the management of the environment, through 	<p style="text-align: center;">Work in Japan</p> <hr style="border-top: 1px dashed black;"/> <p style="text-align: center;">2.33</p> <hr style="border-top: 1px dashed black;"/> <p style="text-align: center;">Work in Argentina</p>

Responsibility	Work in Japan	Work in Argentina	Quantity of work (M/M)
		<p>training seminars and workshops.</p> <ul style="list-style-type: none"> ▪ He advised about the construction of the project office. ▪ He assisted during the implementation of the environmental education and pilot programs. ▪ He carried out the coordination of the general operative work. ▪ He elaborated the report. 	21.84
G	<ul style="list-style-type: none"> ▪ Gathering and analysis of the information about environmental education. ▪ He elaborated the report. 	<ul style="list-style-type: none"> ▪ He was in charge of the purchase, set up and management of the project equipment. ▪ Guided the training for the elaboration of promotion material both for local people and visitors. ▪ He guided the plan and execution of the dissemination program. ▪ Carried out the training for the planning of the environmental education programs. ▪ Carried out the training for the elaboration of materials for environmental education. ▪ He guided the implementation of the environmental education program. ▪ He assisted the cooperation and sharing of information related to dissemination and environmental education among the involved institutions. ▪ He assisted the execution of the pilot program related to dissemination and environmental education. ▪ He helped in the coordination of the operative work. 	Work in Japan
			0.50
			Work in Argentina
			28.93
H	<ul style="list-style-type: none"> ▪ Gathering and analysis of the information for the participative management of the natural resources. ▪ He elaborated the report. 	<ul style="list-style-type: none"> ▪ He was in charge of the purchase, set up and management of the project equipment. ▪ Guided the elaboration of the pilot project plan. ▪ He carried out the training courses for the pilot program (buildings maintenance, training for operation, ecotourism / program training, and interpretation services for the pilot program). ▪ He guided the elaboration of a pilot program administration system. ▪ Through the implementation of the pilot project, he oriented the program development 	Work in Japan
			0.50
			Work in Argentina

Responsibility	Work in Japan	Work in Argentina	Quantity of work (M/M)
		and development of installation. <ul style="list-style-type: none"> ▪ He gathered knowledge of operation of PP through the introduction and oriented the use to the private sector. ▪ He assisted the cooperation and sharing of information related to the pilot program among the involved institutions. 	28.46

3.4 Result of the training

3.4.1 Training topics, quantity of trainees and periods

As regards the topics about “conservation of the environment” and “management of the natural resources”, 8 C/Ps (3 members of MERNRyT, 3 members of the APN and 2 members of MCA) were sent to do training in Japan. The aim of the training courses is “to understand the system of natural resources, giving importance to the co existence of the natural reservations and the local inhabitants, getting knowledge for an efficient planning of natural reservations using methods, measures corresponding to the mitigation zone and the protection and reproduction of the scarce wildlife”. Trainee’s information is shown in Table 3.5

Table 3.5 Japan training trainees list

Phase	Reception period	Training subject	Surname and name	Institution	Position (dispatch time)
1	30/09/04 - 15/10/04	Management of natural resources, Environment conservation	Rinas, Miguel	MERNRyT	General Director of the MERNRyT
			Carpinetti, Bruno	APN	Member of the Board
2	27/09/05 – 11/10/05	Environment conservation	Arzamendia, Esteban	MERNRyT	Park Ranger of the MERNRyT
			Chaves, Hugo	APN	Technician of the PNI
			Aap, Marcelo	MCA	Representative of the Secretariat of Tourism, Environment and Sports
3	30/08/06 – 11/09/06	Environment conservation	Cattaneo, Cesar Walter	MERNRyT	Sub secretary of Ecology
			Belloni, Cecilia	APN	PNI Park ranger
			Bogado, Mauricio	MCA	Employee of the Secretariat of Tourism, Environment and Sports

(Arrival and departure days are excluded)

3.4.2 Training courses contents

Regarding the training courses done in Japan, the following work was carried out:

- Planning of the list of topics of the training courses in Japan
- Selection of venues in Japan for training courses and authorization for visiting them
- Support for the request note for the training courses in Japan
- Coordination between trainee's reception institutions and program and contents of the training courses
- Assistance during the training in Japan

Table 3.6 List of venues and training courses contents

Venue	Training courses contents	Phase
JWRC	<ul style="list-style-type: none"> • Management for the Japanese environment protection/ Summary of the national parks system • Comparison between Argentina and Japan national parks systems. • Deliberation of the measures for the project 	1, 2, 3
Bandai Asahi National Park	<ul style="list-style-type: none"> • Methods for using the natural resources of the region (Outdoor Activity Centre of Onogawa Lake) • Visit to the Bandai Asahi National Park 	1, 2, 3
Unzen Amakusa National Park	<ul style="list-style-type: none"> • Cooperation with the national and provincial government for the national parks management. • Visit to the Unzen Amakusa National Park 	1, 2, 3
Aso Kuju National Park	<ul style="list-style-type: none"> • Cooperation with a NGO in the National Parks management • Visit to the Aso Kuju National Park 	1
Wildlife Conservation Tsushima Center / Ministry of Environment.	<ul style="list-style-type: none"> • Activities for protecting wild species • Visit to the Conservation Center in Tsushima 	1
Nature observation Yokohama Forest	<ul style="list-style-type: none"> • Method for using small scale protected areas • Environmental education program 	1, 2
Yatsugatake Visitor Centre	<ul style="list-style-type: none"> • Exhibition methods • Visitor centre administration • Cooperation between NGOs and local community 	2
Yokohama Zoo Park	<ul style="list-style-type: none"> • Protection of the animals in rehabilitation. • Reproduction and breeding of endangered species. • Reproduction and protection of the wildlife/ Management of the zoo park 	1
Institute for Nature Study, National Science Museum	<ul style="list-style-type: none"> • Method for nature observation 	3
The Tokyo College of Conservation and Civil Engineering	<ul style="list-style-type: none"> • Opinion exchange about foreign practices. • Project presentation 	3
Biodiversity Center of Japan, Ministry of the Environment	<ul style="list-style-type: none"> • Information control related to biological diversity 	3

Venue	Training courses contents	Phase
NPO Whole Earth Institute (Fuji, Izu and Hakone National Park)	<ul style="list-style-type: none"> • Tramping in Mount Fuji • NGO activities presentation 	2, 3

3.5 Real results of the supplied materials

The equipment acquired in the Project, as well as those which JICA Bureau in Argentina has acquired, has been controlled by the experts sent during the execution of the Project. Considering the continuity of the activities of the executant institutions and the capacity of control and maintenance of the equipment, a donation has been held on the 1° February 2007, in the following way.

So as to ensure the common use of the equipment donated among the institutions after the end of the Project, a memorandum has been exchanged by the representatives of the executant institutions.

Table 3.7 Provided equipment list

Provided institution	Equipment	Maker	Specification • Model	Quantity	Keeping place
APN	DVD	Phillips	DVDR 75	1	Yacuy office (PNI)
	GPS	Garmin	E trex Summit	2	Ditto
	Air conditioner	Whirlpool	AF2500	1	Ditto
	Motor vehicles (4WD, pick up style)	Toyota	Hilux 4x4 C/D DX 3.0 Model year: 2004 Color: White	1	Ditto
	Desktop computer	Hewlett Packard	CPU : Compaq Monitor : 7540	2	Ditto
	TV	Phillips	29" Real Flat	1	Ditto
	Set of Notebooks	Hewlett Packard	Compaq nx 9010	1	Ditto
	Video	Hitachi	Plus VT M886	1	Ditto
	Radio Equipment (for vehicle)	Motorola	EM400	1	Ditto
	Radio Equipment (handy type)	Motorola	EP 450	2	Ditto
	Portable microscope	Nikon	131333 NS	1	Ditto
	Office desk	Carlos Staciuk	Size: 164cm x 144cm x 73cm	1	Ditto
	Chairs for the office	Carlos Staciuk	Revolving type	1	Ditto
	Flip chart	Fernández Garrido	Size: 88cm x 60cm	1	Ditto
	Binoculars	Nikon	211765 BF	2	Ditto
Electricity generator (small)	Gamma	4500	1	Ditto	
UPS	APC	RS 800	2	Ditto	
MCA	Photocopier	Canon	IR 1600	1	Project office
	Screen with tripod	Mardelli	G4Y17202PAN	1	Ditto
	Motor vehicles (4WD, pick up style)	Toyota	Hilux 4x4 C/D DX 3.0 Model year: 2004 Color: Beige	1	Ditto
	Digital Video Camera	Sony	MVC-FD88	1	Ditto

Provided institution	Equipment	Maker	Specification • Model	Quantity	Keeping place
	Digital projector	Sanyo	PLC-XU40	1	Ditto
	Set of desktop computers 1 (including printer and scanner)	Hewlett Packard	PC: Compaq Monitor: 5500 Printer: 5650 Scanner: 2400	2	Ditto
	Desktop computer 2	Hewlett Packard	PC: Compaq Monitor: 7540	1	Ditto
	Set of Notebooks	Hewlett Packard	Compaq nx 9010	1	Ditto
	Fax	Samsung	SCX-4216F	1	Ditto
	Projector table	Carlos Staciuk	Size: 90cm x 40cm x 70cm	1	Ditto
	Radio Equipment (for vehicle)	Motorola	EM400	1	Ditto
	Radio Equipment (office)	Motorola	EM400 (LAM50KQF9AA1AN)	1	Ditto
	Pouch Laminator	Renz	HT 320L	1	Ditto
	Table for meetings	Carlos Staciuk	Size: 240cm x 110cm	1	MCA meeting room
	Flip chart	Fernández Garrido	Size: 88cm x 60cm	1	Ditto
	Chairs for the office	Carlos Staciuk	Revolving type	4	Project office
	Office desk	Carlos Staciuk	Size: 164cm x 144cm x 73cm	4	Ditto
	Bookshelf	Carlos Staciuk	Size: 200cm x 237cm x 38cm	2	Ditto
	UPS 1	TRC	excel 700	2	Ditto
	UPS 2	APC	RS 800	1	Ditto
MERNRyT	DVD	Phillips	DVDR 75	1	Uruzú office (PPU)
	GPS	Garmin	E trex Summit	2	Uruzú office (PPU) (1), Ecolodge (1)
	Impact drill	National	Power cosmo	2	Ecolodge
	Air conditioner	Kelvinator	2250 Frigorías Split	1	Ditto
	Canoes	Náutica Magri	Cachalote 480	5	Ditto
	Kayak	Ocean Kayak	Malibu Two XL, Venus	3	Ditto
	Kitchen / Oven	MORELLI	NOVA 1100	1	Ditto
	Motor vehicles (4WD, pick up style)	Toyota	Hilux 4x4 C/D DX 3.0 Model year: 2004 Color: White	1	Ditto
	Saw machine	Stihl	08-SE	2	Ditto
	Digital camera 1	Kodak	Easysshare DX6340	3	Uruzú office (PPU)
	Digital Camera 2	Sony	Cyber Shot 7.2m (NS 8396438)	1	Ecolodge
	Set of desktop computers 1 (including printer and scanner)	Hewlett Packard	PC: Compaq Monitor: 5500 Printer: 5650 Scanner: 2400	2	Ecolodge (1), MERNRyT central office (Posadas) (1)
	Desktop computer 2	Hewlett Packard	PC: Compaq Monitor: 7540	2	Uruzú office (PPU) (1), Ecolodge (1)
	TV	Phillips	29" Real Flat	1	Uruzú office (PPU)
	Tent unit	Anchor	Fly shet, white	5	Ecolodge
	Drill	Makita	AP-1500	2	Ditto
	Set of Notebooks	Hewlett Packard	Compaq nx 9010	2	Ditto
	Video	Hitachi	Plus VT M886	1	Uruzú office (PPU)
	Flip chart	Fernández Garrido	Size: 88cm x 60cm	1	Ecolodge

Provided institution	Equipment	Maker	Specification • Model	Quantity	Keeping place
	Radio Equipment (for Ecolodge)	Motorola	EM400	1	Ditto
	Radio Equipment (for vehicle)	Motorola	EM400	1	Ditto
	Radio Equipment (handy type)	Motorola	EP 450	5	Ditto
	Portable tent	Water dog	Iglu model	2	Ditto
	Motor scythe	Stihl	FS 160	2	Ditto
	Circular saw	DeWalt	DW 352-AR	2	Ditto
	Water dispenser	Ushuaia	SN 29483	1	Ditto
	Portable microscope	Nikon	131304	1	Ditto
	Chairs for the office	Carlos Staciuk	Revolving type	1	Ditto
	Office desk	Carlos Staciuk	Size:164 cm x 144 cm x 73 cm	1	Ditto
	Fire Extinguisher (for the kitchen)	Yukon / Fistoray	10 Kg.	2	Ditto
	Fire Extinguisher	Fistoray	5 Kg.	1	Ditto
	Lighting equipment	YLX	XS-78A	6	Ditto
	Log burner	El Colono	Iron, stovepipe	1	Ditto
	Binoculars	Nikon	Action EX (SN 209422BE)	1	Ditto
	Electricity generator (big)	Toyma	T6000	1	Ditto
	Bookshelf	Carlos Staciuk	Size: 200cm x 79cm x 38cm	2	Ditto
	UPS 1	TRC	excel 700	1	MERNRyT central office (Posadas)
	UPS 2	APC	RS 800	3	Uruzú office (PPU) (1), Ecolodge (2)
	Fridge / Freezer	Fridge: FRIDER Freezer: BAMBI		1	Ecolodge

3.6 Local cost borne by Japanese side

The local cost borne by Japanese side is shown below.

Table 3.8 Local cost borne by Japanese side

	Item	JFY2004 \$1(peso)=37.333(yen)		JFY 2005 \$1(peso)=39.184(yen)		JFY 2006(Plan) \$1(peso)=37.773(yen)		Total	
		¥	\$	¥	\$	¥	\$	¥	\$
1	Project operation cost	¥10,605,000	\$284,065.04	¥8,975,000	\$229,047.57	¥7,357,000	\$194,768.75	¥26,937,000	\$707,881.36
2	Equipment purchase cost	¥17,754,000	\$475,557.82	¥1,759,000	\$44,890.77		\$0.00	¥19,513,000	\$520,448.59
3	Construction cost	¥5,013,000	\$134,277.98	¥3,049,000	\$77,812.37		\$0.00	¥8,062,000	\$212,090.36
Total		¥33,372,000	\$893,900.84	¥13,783,000	\$351,750.71	¥7,357,000	\$194,768.75	¥54,512,000	\$1,390,399.43

Note: Personnel expenses for JICA Experts are not included.

3.7 Other real results contributions

As a reference, to learn about environmental education and ecotourism carried out in neighboring country, training was executed in a similar project in fiscal year 2004.

- Execution day: August, 8th – August, 15th of 2004
- Project name: Ecological Corridor of Cerrado Conservation Project (JICA, Brazil Office)
- Reception institution: Brazilian Institute of Environment and Renewable Natural Resources (IBAMA)
- Visited place: Brasilia, Capital of Brazil, Goias State.
- Participants:

JICA Experts

- Watanabe Mitsuru (Protected areas management / Project coordinator)
- Osaki Hiromoto (Environmental Education)

Counterparts

- Cattaneo, Walter (Sub secretary of Ecology of the MERNRyT)
- Aap, Marcelo (Representative of the Secretariat of Tourism, Environment and Sports of the MCA)
- Bogado, Mauricio (Employee of the Secretariat of Tourism, Environment and Sports of the MCA)

Schedule:

Date		Contents	Lodge
8	Sun	Travel (Puerto Iguazu → via Foz do Iguazu to Brasilia-DF)	Brasília-DF
9	Mon	Coutesy call to JICA Brazil Office Techniques exchanges with IBAMA	Brasília-DF
10	Tue	Move (Brasilia → Alto Paraiso City, Goias State) Environment NGO office, Chapada dos veadeiros National ark Office visit	Alto Paraíso-GO
11	Wed	Chapada dos Veadeiros National Park (UNESCO heritage) visit, Local NGO visit	Alto Paraíso-GO
12	Thi	Cavalcante City Tourism and Environment Office visit Move (Cavalcante City → Brasilia-DF)	Brasília-DF
13	Fri	Ministry of the Environment and IBAMA visit (consultation, information gathering)	Brasília-DF
14	Sat	Cerrado Ecomuseum and Private protected area inspection	Brasília-DF
15	Sun	Travel (Brasilia → Foz do Iguazu → Puerto Iguazu)	

Chapter 4 About the continuity of the activities in the Project

4. 1 About the measures taken after the final evaluation

Having received the proposals for the continuity of the activities after the Final Evaluation on behalf the members of the Combined Evaluation during the final evaluation in December 2006, the following measures were taken since the end of December of the same year to the 1° February 2007.-

Table 4.1 About the measures taken after the final evaluation

Measures	Date	Content	Place
Holding the meeting	27/12/2006	<ul style="list-style-type: none"> • Discussion about the results of the final evaluation and the issues to solve until the end of the project. 	Ecolodge Caburé-i (Andresito)
Seminar	23-24/01/2007	<ul style="list-style-type: none"> • Presentation of the 2007 Activities Plan on behalf of each institution. • Discussion of the contents of the plan and the agreement about the distribution of the functions of each institution. 	Meeting at the Saint George Hotel. (Puerto Iguazu)
Group work meeting	24/01/2007	<ul style="list-style-type: none"> • Approval of the results of the seminar. • Formation of the agreement about the continuity of the activities. 	Idem
Joint coordination Committee	01/02/2007	<ul style="list-style-type: none"> • Approval of the previous meeting Record. • Presentation of the results of the activities and the direction they will take from now on. • Approval of the continuity of the activities. (Results of the Group work meeting) • Approval of the common use of the equipment. • Donation of the equipment 	Meeting Hall at Hostería Los Robles (Andresito)

4. 2 Mutual agreement items for continuing the activities

(1) About the measures taken on the recommendations of the Final Evaluation.

The results of the series of meetings and seminars recommended in the Final Evaluation are the following.

Table 4.2 Measures taken as regards the recommendations

Recommendation		Measures taken
1. After the ending of the project state clearly the relationship of cooperation among the 3 executant institutions.	1-1 Arrange the Plan of Activities, agreed among the 3 institutions.	Each institution made up the proposal of the annual plan of activities for the fiscal year 2007 and these were presented in the seminar which took place on the 23rd January 2007. It was agreed that each executant institution holds the responsibility for each plan and, also, that the other institutions will support and cooperate in the execution.
	1-2. State the functions about the cooperation for the management of the project.	It was stated, based on the proposal of the activities annual plan, that the executant institutions will coordinate and participate (supportive institution) according to each activity, and not according to the results.
	1-3. The meetings will go on, of coordination as the committee of the Combined Coordination.	It was agreed to establish of a new committee of Combined Coordination after the ending of the Project in the last Group work meeting, and in the last meeting of Combined Coordination Committee. The gathering for the first meeting will be held by MERNRyT and in the same meeting the members and details of their functions will be decided.
2. Clarify the system of management of Ecolodge.	2-1. State the mechanisms of decision taking and obligations of the members of the Administration Council.	The Administration Council of Ecolodge will be formed by MERNRyT and MCA. The CTSA, who will be in charge of the lucrative activities, will fulfil the necessary operations based on the agreement with MERNRyT.
	2-2. Agreeing before the end of the project, the activities plan details.	The detail of the plan of activities of the Ecolodge will be within the annual plan that MERNRyT make up, with the agreement of APN and MCA.
3. Use of the equipment donated by Japan.	3-1. In order to achieve the project efficiently, agree about the use of the equipment and the installations.	A memorandum about the common use of the equipment and installations in the last Combined Coordination Committee meeting will be exchanged among the executant institutions and the representative of JICA, office in Argentina.
	3-2. State, in a concrete way, the responsibility managing methods, as regards the equipment and installations donated by Japan.	The equipment and installations were donated to the executant institutions and the control and the responsibility on these ones was stated. As regards the way of control, the regulations will be established by the corresponding institutions.

(2) Others

For the continuity of the activities in the project, the following issues have been agreed.

- Under the responsibility of MCA, the office of the Project in Andresito will be used in a combined way by the executant institutions. (MCA, MERNRyT, APN).
- Both in the contract for the telephone line in the office and the Internet will be followed up by MCA.
- As regards the radio communication of the vehicles (signals of MERNRyT, APN and Gendarmería Nacional Argentina), it will be done in a way that MCA could use the signal of APN.
- The entity responsible for the Project web page management (www.proyectocaburei.com.ar) will be MERNRyT.
- The service agreement with Internet in the Ecolodge Caburé-i will be followed up by MERNRyT.

4.3 Recommendations

4.3.1 Reinforcement for the Cooperation and Common Position of Information by the relevant institutions

The continuation of activities and the maintenance of cooperation were agreed in the final Joint Coordination Committee. However, there will be elections of the governor and mayors in 2007 and the political power will change in 2008. Therefore, whether the political power changes, the mutual cooperation agreement should not be invalidated and the employees of the institutions should actively insist on this matter.

The common position of information was improved through the implementation of the project, but that coordination tended to be charged too much to some part of the employees. In order to arrange plans more adapted to the actual situation, it is necessary to share roles and work after a proper mutual coordination among the employees.

The frames of the cooperation and common position of information depend on mainly the three executing institutions. However, if necessary, the relevant institutions must look for the participation of related organizations from the private sectors and NGOs. As the Iguazu Area stands on the borderland, the mutual cooperation and common position of information is necessary for the relevant institutions with related organizations and NGO of the adjacent countries.

4.3.2 Executions of Dissemination and Environmental Education

The C/P basic capacity to execute the dissemination and environmental education was raised through the project. Furthermore, this impact caused that the teachers to get higher interest and some of the teachers raised their capacity. However, to achieve the overall goal, a careful approach is requested to land owners and land administrators of the target areas for conservation. The federal government, provincial government, universities, environmental NGOs will have to cooperate with each other, incorporating the local people's opinions to improve and execute teaching materials and programs, making and repeating opportunities.

4.3.3 Implementation of the Pilot Project

The Ecolodge got utilization results through the monitoring tours from Japan and environmental education seminars and also the Cooperative for Tourism Services (CTSA) was established. The operation will be executed by MERNRyT and MCA mutual agreement basically in the future. For this mutual consent to be kept, it is necessary to periodically hold Administration council meetings to discuss mainly about how to expand the utilization results. For this reason, the MERNRyT and MCA should consent promptly to each other and these institutions will have to select the full-time administrator as soon as possible.

Table 4.3 Action Plan 2007 (1)

Related for Result 1

	Programmes	Subprograms	Activities	MERNRyT	APN	MCA	Month																					
							2	3	4	5	6	7	8	9	10	11	12											
APN	1. Interinstitutional work and of sharing information	1-1	Plan about how to share information among members	1-1-1	1 Seminar and 3 meetings to discuss and agree kind and method of sharing information.	C		X																				
		1-2	Information shared in CD	1-2-1	Collect process and distribute a cd with information generated by the institutions members of PC.	C		X	X																			
		1-3	Annual Seminar of Protected Areas	1-3-1	Organize an event, with talks, posters, for the exchange of information about the handling of AC.	A	C							X														
		1-4	Fauna watching system	1-4-1	Print watching files		C		X																			
				1-4-2	Elaborate reports annually		C		X																			
		1-5	Cabure-i Project web site	1-5-1	Put more information in the web site, with texts photos and data to download.	C				X				X											X			
		1-6	PC news electronic bulletin	1-6-1	Make the bulletin and distribute via e-mail		C				X	X																
		1-7	Natural environment natural information manual	1-7-1	Collect data about flora, fauna, etc	C	C															X						
		1-8	Pictures bank	1-8-1	Organize the photos; record them in CD and DVD.		C				X																	
		1-9	Elaborate cartography of the east limit.	1-9-1	Prepare cadastral register, with the manes of the owners and number of lot.	A	C				X	X																
1-10	Ecolibrary (environmental library)	1-10-1	Get books, magazines and videos, in several formats (Yacuy)	A	C			X	X																			
MERNRyT	1. Collecting and use of the environmental information	1-1	Training in the handling of information	1-1-1	Carry out 2 workshops about the actualization of the conservational politics at a provincial, national and worldwide level.	C	A	A	X						X													
				1-1-2	Carry out a workshop about the handling of zone of lessening.	C	C	A			X																	
				1-1-3	Carry out a workshop to learn about the designs of simple maps using GIS	A	C					X																
				1-1-4	Incorporate 2006 information to the Natural Environment Manual and distribute it in digital format.	C	C	A		X																		
				1-1-5	Participation in events about topics related to the programme.	A			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	1-2	Gathering and systematization of the		1-2-1	Develop a method for using the gathering of use of lands and the aerial photographs which exist in the Project.	C	C	A	X	X	X	X	X	X	X													
				1-2-2	Start an inventory and subsequent monitoring of the biological diversity of the selected corridors in the area of the peninsula.	C	A	A			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
				1-2-3	Process available information already revealed and centralized it.	C	A	A				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
				1-2-4	Update data of population and economy of Andresito town.	A		C					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
				1-2-5	Using GIS. And update detailed maps of the identified corridors.	C	C	A					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
				1-2-6	Develop with other institutions a system of permanent monitoring of the forest in the area.	C	C						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
	1-3	Spreading of the environmental information		1-3-1	Hold meeting of exchange and planning together with other entities and people who work in the area.	C	C	A					X	X	X	X	X	X	X	X	X	X	X	X				
				1-3-2	Systematically distribute the brochure about ANP in the zone.	C	C	C			X	X	X															
				1-3-3	Participation in TV and radio programmes.	C		C				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
	2. Promotion of the conservation of private lands			2-1	Investigate and promote the legal frame for the private conservation.	C	A	C			X	X	X															
2-2				Promote the association of owners of the peninsula.	C	A	C		X		X																	
2-3				Hold a campaign of creation of private reserves.	C	A	C				X	X	X	X	X													
2-4				Propose the creation of a legal frame of private conservation at a municipal	C	A	C	X																				
2-5				Write and distribute a three – month – bulletin with information of interest in the topic, (electronics and in photocopied paper, publishing of information in use of Internet, use of Local Radio and TV.	C	A	C			X				X								X						

Table 4.4 Action Plan 2007 (2)

Related for Result 2

	Programmes	Sub programmes	Activities	MERNRYT	APN	MCA	Month														
							2	3	4	5	6	7	8	9	10	11	12				
MCA	1. Environmental					C			X	X	X	X	X	X	X	X	X	X			
	2. municipal greenhouse					C		X	X	X	X	X	X	X	X	X	X	X			
	3. Spreading	Agriculture Festival				A	C								X						
APN	2. Environmental education	2-1	Hold educational visits to PN Iguazu and other protected areas in the zone.	2-1-1	Visit Yacuy, the area of Cataratas and the intendancy of PNI. Do educational activities such as games	A	C	A							X	X					
		2-2	Make educational videos	2-2-1	Make educational videos PN Iguazu.	A	C		X												
				2-2-2	Hand them out in schools and other key places	A	C			X											
		2-3	Make presentations	2-3-1	Make presentations about PN Iguazu, hunting and palmettos cut down, one of fauna and one of flora.	C	C		X												
		2-4	Make a programme of EA for schools near Yacuy	2-4-1	Plan annual activities to develop with school: 436, Polimodal 10, 565 y 554	A	C		X												
		2-5	Workshop EA with school Parque de IBAMA	2-5-1	Hold a contest for scholarships for 2007	A	C		X												
		2-6	Course with FEA	2-6-1	Hold a contest for scholarships for 2007	A	C		X												
	2-7	Video debate	2-7-1	Organize video debates, to talk about topics related to PNI and other neighbouring protected areas.	A	C	A		X			X				X			X		
	3. Dissemination	3-1	Radio programme	3-1-1	Participate in radio programmes in different times and stations.	C	C			X			X				X			X	
		3-2	Brochure about the importance of ANP	3-2-1	Design and print the brochure and distribute it in the eastern limit.	C	C		X	X											
MERNRYT	3. Dissemination and Environmental Education	3-1	"Grupo de Educadores Ambientales"	3-1-1	Hold at least 5 (2) Training activities oriented to teachers and community in general about techniques and contents of Environmental Education.	C	A			X		X		X		X		X			
				3-1-2	Using the environmental Education booklet by jeans of a proposal of activities.	C	A			X	X	X									
				3-1-3	Make diffusion and training booklet each three months and (4 in totals).	C	A			X			X					X			
		3-2	Creation of the Training Centre and Environmental Education Cabure-i.	3-2-1	Develop at least 3 training events about environmental education and public use of ANP.	C	A	A		X				X				X			
				3-2-2	Gathering and printing documentation about environmental education and public use of ANP and develop a virtual consultation centre about this Topic.	C	A	A	X	X	X	X	X	X	X	X	X	X	X	X	X
		3-3	"La reserva es nuestra",	3-3-1	Spread the aims of activities of the Ecolodge and the Reserve Caburé-i at schools and nearby neighbourhood.	C	A			X	X	X	X	X	X	X	X	X	X	X	
				3-3-2	Carry out activities of EA for groups of visitors to the area of the Reserve de Uses Multiples Cabure-i., oriented to schools and common visitors.	C	A			X	X	X	X	X	X	X	X	X	X	X	X
		3-4	"Viva el agua" Programme based in the use of water by humans. It consists of the fostering about the necessity of preserving the water ecosystems, through the following activities.	3-4-1	Canoeing courses with guided rides in places of natural interest.	C	A	A	X	X	X										
				3-4-2	Design, print and distribute a poster about protection of pouring water directed to local people, mainly owners of lands in the area of interest.	C	A	A						X	X						
				3-4-3	Pre recorded radio programme about topics related to the aims of the programme.	C	A	A	X	X	X	X	X			X	X	X	X	X	X
				3-4-4	Radio flash (5 flashes) about topics related to the programme.	C	A	A	X	X	X	X	X			X	X	X	X	X	X
				3-4-5	TV flashes (5 flashes) about topics related to the programme.	C	A	A				X	X	X	X	X	X	X	X	X	X
				3-4-6	"El coleccionista de vertientes" Directed to achieve the conservation of the pouring water; it will be promoted the identification and delivery of certificate or diploma to the owners who are committed in the preservation of the pouring water in their lands.	C	A	A				X	X	X	X	X	X	X	X	X	X
3-5	Cooperation with Eco club San Francisco	3-5-1	Continuity of the actions of the former year and support the initiatives that come out from the group.	C	A	A	X	X	X	X	X	X	X	X	X	X	X	X			

Table 4.5 Action Plan 2007 (3)

Related for Result 3 (1)

	Programmes	Sub programmes	Activities	MERNRYT	APN	MCA	Month													
							2	3	4	5	6	7	8	9	10	11	12			
MCA	4. Sustainable	4-1	Raid nautical		C	C		X												
		4-2	Trans parque bike			A	C					X								
		4-3	Ecotourism Festival		C		C								X					
		4-4	Tourist promotion		C	A	C				X			X		X				
APN	4. Sustainable development	4-1	Ecologie Cabure-i (Proyecto Piloto de Ecoturismo)	4-1-1	Attend to meeting and participate in the committee of assistance.		A													
		4-2	Circuit of Ecotourism Cabure-i	4-2-1	Finish the design. Draw a plan of execution. Organize other workshops to consult and include the neighbours.	A	C	C	X	X			X			X		X		
		4-3	Sustainable Exploitation of the forest	4-3-1	Hold a training workshop. Follow the changes.		C	C					X				X			
	5. Infrastructure	5-1	Maintenance and equipment Oficina Yacuy	5-1-1	Buying of furniture, electric appliances, grating installations, curtains etc, (see attachment)		C			X	X	X			X	X				
	6. Investigation and monitoring	6-1	Support to the investigation	6-1-1	Keep a record of use of the installations. Give assistance for the investigation work. Advice investigators.		C		X	X	X	X	X	X	X	X	X	X	X	
MERNRYT	4. Ecotourism development	4-1	Elaboration of the strategies plan for the development of ecotourism in	4-1-1	Gathering of data relevant to the plan	C	A	C		X	X	X	X	X						
				4-1-2	Carry out a diagnostic	C	A	C		X	X	X	X							
				4-1-3	Hold planning meetings	C	A	C	X	X	X	X								
				4-1-4	Design of the plan draft copy	C	A	C					X	X						
				4-1-5	Talleres de discusión del Plan.	C	A	C								X				
				4-1-6	Put the plan into action and monitoring	C	A	C									X	X	X	X
		4-2	Tourist consciousness Directed to enterprising public officials and general public.	4-2-1	Cortos de radio (5) – Radio flashes	4-2-1	Cortos de radio (5) – Radio flashes	C		C		X	X	X	X	X	X	X	X	X
				4-2-2	Cortos de televisión (5) Television flashes	4-2-2	Cortos de televisión (5) Television flashes	C		C		X	X	X	X	X	X	X	X	X
				4-2-3	Cartilla de divulgación (4 en el año) Diffusion booklet	4-2-3	Cartilla de divulgación (4 en el año) Diffusion booklet	C		C										
				4-2-4	Cycle of talks of touristy consciousness (4 in the year)	4-2-4	Cycle of talks of touristy consciousness (4 in the year)	C		C			X			X			X	

Table 4.6 Action Plan 2007 (4)

Related for Result 3 (2)

	Programmes		Sub programmes		Activities	MERNRYT	APN	MCA	Month																		
									2	3	4	5	6	7	8	9	10	11	12								
MERNRYT	4. Ecotourism	4-3	Support to the promotion of the location of Andresito. For both tourists (CTSA)	4-3-1	A brochure	C		C					X	X													
				4-3-2	Participation in radio and TV programmes	C		C								X	X										
				4-3-3	Internet site (www.ecoandresito.com.ar)	C		C								X	X	X	X	X	X	X	X	X	X		
		4-4	Promotion of the tourist investment in the limits of ANP Develop actions that benefit enterprisiers that are within the area of interest of the project.	4-4-1	Identify them and registered the places of interest, the enterprises and owners.	C	A	C			X	X					X	X									
				4-4-2	Facilitate the access to the information useful for their business(access to credits, subsidies, promotions, strategically alliances)	C	A	C			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
				4-4-3	Facilitate the access to the entrance to: ecoandresito.com.	C	A	C			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
				4-4-4	Propose plans of tourist of the ANP of the region.	C	A	C			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
		4-5	Training in human resources. A series of events are proposed: (CTSA)	4-5-1	Course in Gastronomy	C	A	A			X																
				4-5-2	Course of environmental interpreter	C	A	A				X	X	X													
				4-5-3	Birds watching(second part)	C	A	A									X										
	4-5-4			First Aid course	C	A	A										X										
	4-5-5			Course of canoeing and rescue.	C	A	A																X				
	4-5-6			Writing the operation manual of Ecologue .	C	A	A						X	X	X	X	X	X									
	4-5-7			Workshop about tourism handling .ANP.	C	A	A							X													
	4-6	Voluntary work and assistantship	4-6-1	So as to achieve stronger technical capacity and raise human resources a programme of volunteers will be developed.	C					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
	5. Marketing and operation of Ecologue Cabure-i (Whole year)	According to the business plan and the operation manuals the following activities will take place. (CTSA)	5-1	Selling of accommodation service. Food and excursions.	C		A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
			5-2	Special events (meetings and oriented seminars)	C		A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
			5-3	Programmes eco solidary with eco tourists.	C		A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
			5-4	Activities of investigation of the biodiversity oriented to add thematic contents to the activities.	C		A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
			5-5	Write regulations and operation manuals.	C		A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
			5-6	Systematic record of experiences.	C		A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
			5-7	Action of promotion and selling.	C		A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
			5-8	Contribution to the development of products of alternative ecotourism.	C		A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
5-9			Study of environmental impact of the activities in tourism. I	C		A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
5-10			Develop a method to use the survey of use of lands and the aerial photographs in the project.	C		A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
5-11			Maintenance and investment plan	C		A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
6. Maintenance of equipment, vehicles and	6-1	Systematic register of use of equipment and vehicles	6-1-1	Develop and apply a regulation of use of equipment and vehicles.	C				X	X	X	X	X	X	X	X	X	X	X	X	X	X					
			6-1-2	Develop and apply a plan of maintenance of equipment and vehicles.	C				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				

Chapter 5 Minutes and documents of Joint Coordination Committee meetings and Working groups

Joint Coordination Committee and Working groups' members, meeting and subject for discussion list are shown below.

Table 5.1 List of Joint Coordination Committee meetings

Meeting	Date	Venue	Principal subject for discussion
First meeting	23/06/2004	Posadas	<ul style="list-style-type: none"> • Approval of the internal regulation of the Project Joint Coordination Committee. • Approval of the Annual Plan of the Project (fiscal period 2004) • Other issues (Project information management; name and logo of the Project; training courses in Japan and Brazil; location of the Project office)
Second meeting	04/03/2005	Puerto Iguazu	<ul style="list-style-type: none"> • Progress situation of fiscal year 2004 activities informed • Presentation of fiscal year 2005 activities plan • Regarding pilot project operation structure • Others
Third meeting	04/08/2005	Andresito	<ul style="list-style-type: none"> • Approval of the minutes of the previous Joint Coordination Committee meeting • Presentation of the progress report for the elaboration of the pilot program business plan • Presentation of the Joint Evaluation Commission members
Extraordinary meeting	16/08/2005	Posadas	<ul style="list-style-type: none"> • Modification of the PDM • Modification of the TOR of the counterpart institutions
Fourth meeting	16/02/2006	Office Yacuy	<ul style="list-style-type: none"> • Pilot project camp site name definition • Pilot project management and operation
Fifth meeting	14/12/2006	Puerto Iguazu	<ul style="list-style-type: none"> • Project progress situation information • Final evaluation results information
Sixth meeting	01/02/2007	Andresito	<ul style="list-style-type: none"> • Presentation of results of the Project and annual plan in 2007. • Sharing use of the equipments donated by JICA • Agreement between JICA and each institution about donation of the equipment.

Table 5.2 List of Working groups meetings

Meeting	Date	Venue	Principal subject for discussion
First meeting	15/07/2004	Puerto Iguazu	<ul style="list-style-type: none"> • Approval of the internal regulation of the Working Groups. • Presentation of the annual plan for the fiscal period 2004. • Discussion on the Project's name. • Working Groups (Analysis of the annual plan divided in 3 groups)
Second meeting	30/08/2004	Andresito	<ul style="list-style-type: none"> • Changes to the Internal Regulation of the Working Groups • Results of the contest for logo of the Project • Activities informed (to all members) • Working Groups (Analysis of the annual plan divided in 3 groups)
Third meeting	19/11/2004	Posadas	<ul style="list-style-type: none"> • Analysis of the Project functioning mechanisms during the first semester • Presentation of the diffusion materials • Reports on the accomplished activities • Transference of Brazil and Japan Capacitating experiences • First visit of a Japanese group to the Pilot Project
Fourth meeting	04/03/2005	Puerto Iguazu	<ul style="list-style-type: none"> • Progress situation of fiscal year 2005 activities informed • Presentation of fiscal year 2005 activities plan proposal • Regarding pilot project operation structure
Fifth meeting	08/07/2005	Andresito	<ul style="list-style-type: none"> • Reconsideration of the functions, tasks and responsibilities of each institution and individual involved in the project. • Explanation of the human resources, equipment and other items given to the project. • Definition of the mechanisms of continuity of the project actions once cooperation is ended.
Sixth meeting	31/08/2005	Puerto Iguazu	<ul style="list-style-type: none"> • Modification of the PDM (Project Design Matrix) and of the TOR of the counterpart institutions • Project budget and possible allocations to be done by each of the counterpart institutions
Seventh meeting	17/01/2006	Puerto Iguazu	<ul style="list-style-type: none"> • Information exchange • Environmental Education and Dissemination • Ecotourism pilot program • Project inputs • Security plan for the Ecolodge • Inauguration of the joint working Office in Yacu-í
Eighth meeting	31/05/2006	Andresito	<ul style="list-style-type: none"> • Important themes of the plan for the fiscal year 2006 • Meetings groups for each Output
Ninth meeting	11/07/2006	Andresito	<ul style="list-style-type: none"> • Approval of the working groups new members • Regarding the visit of Latin America park rangers trainees • Regarding the preparation for final evaluation mission • Meetings groups for each Output
Tenth meeting	05/10/2006	Andresito	<ul style="list-style-type: none"> • Project final evaluation • Project equipment provided • Project continuation
Eleventh meeting	24/01/2007	Puerto Iguazu	<ul style="list-style-type: none"> • Activities plan after project finalization • Equipment distribution

Table 5.3 Joint Coordination Committee members and presence situation

Institutions	Full name	Position	Assignment	Term	Joint Coordination Committee meeting times							
					FY 2004		FY 2005		FY 2006			
					1	2	3	Extra.	4	5	6	
Argentina	Government of Misiones	Rovira, Carlos	Governor of Misiones Province	President of Committee	2004.6 ~	X						
		Jacobo, Luis	Minister of MERNRyT	Project Director	2004.6 ~	X	X	X		X	X	X
		Waltel Cattaneo, Ceser	Sub secretary of Ecology of MERNRyT	Project director	2004.6 ~	X	X	X	X	X		X
		Camara, Hugo	Assistant of Minister, MERNRyT	Executive secretary	2004.6 ~	X	X	X	X	X	X	X
		Rinas, Miguel	General Director of the Ministry of Ecology		2004.6 ~	X	X	X	X	X		
		Silva, Dario	Executive Coordinator of the Green Corridor		2004.6 ~	X	X	X	X	X		
	APN	Carpinette, Bruno	Member of the Board	Representation, APN	2004.6 ~2006.7	X	X			X		
		Romero, Raúl	Chief, Department of Public Use	Representation, APN	2006.12 ~							X
		Santos, Gede	Member of the Board	Extraordinary Representation APN				X				
		De la Torre, Daniel	Intendant of PNI	Substitution, APN	2004.6 ~2005.8							
		Crosta, Daniel	Intendant of PNI	Substitution, APN	2005.8 ~			X	X	X	X	X
	MCA	Aap, Aldo Anibal	Intendant of Commandant Andresito	Representation, MCA	2004.6 ~	X	X	X	X	X	X	X
		Aap, Marcelo	Representative of the Secretariat of Tourism, Environment and Sports	Substitution, MCA	2004.6 ~	X	X	X	X	X	X	X
	Japan	JICA	Takai Masao	Representative from JICA Argentina			X					
			Furuya Toshiaki	Representative from JICA Argentina								X
Sato Yasuo			Argentina office Deputy Resident Representative					X				
Nagata Takeshi			Argentina office Deputy Resident Representative				X		X	X	X	X
Yamamoto Patricia			Personnel from JICA Argentina			X	X	X				X

Institutions	Full name	Position	Assignment	Term	Joint Coordination Committee meeting times						
					FY 2004		FY 2005			FY 2006	
					1	2	3	Extra.	4	5	6
JWRC	Matsushima Noboru	Social Development	Project director		X	X	X	X	X	X	
	Yamase Kazuhiro	Environment Conservation							X	X	
	Watanabe Mitsuru	Protected areas management	Project coordinator		X	X	X	X	X	X	X
	Osaki Hiromoto	Environmental Education			X	X	X	X	X	X	X
	Sato Naoyuki	Natural resources participatory management			X	X	X	X	X	X	X
	Fujisono Daigo	Local coordinator	Deputy executive secretary		X	X	X	X	X	X	X

Note: FY Fiscal Year

Table 5.4 Working groups members and presence situation

Institutions	Full name	Position	Term	Working groups meeting times											
				FY 2004				FY 2005			FY 2006				
				1	2	3	4	5	6	7	8	9	10	11	
Working Group 1	MERNRyT	<i>Walter Cattaneo</i> ✳	<i>Sub secretary of Ecology</i>	2004.6 ~	X	X		X	X	X		X	X	X	X
		Pedro Bruera	Technician, Andresito Office, MERNRyT	2004.6 ~											
		Mercedes Rivas	Administrator, Puerto Iguazu Office, MERNRyT	2004.6 ~2005.08	X	X									
		Ernesto Krauzuk	Chief, Division of Fauna and Flora, MERNRyT	2004.6 ~	X	X	X								
		Esteban Arzamendia	Park Ranger of the Ministry of Ecology	2005.9 ~											
		Hector Gabriel Abildgaard	Park Ranger of the Ministry of Ecology	2006.5 ~								X	X		
	APN	<i>Daniel de la Torre</i> ✳	<i>Intendant of PNI</i>	2004.6 ~2005.08	X					X	X				
		<i>Adrian Georgopulos</i>	<i>PNI Park ranger</i>	2004.6 ~2005.08	X	X	X	X							
		<i>Hugo Chaves</i>	<i>Technician of the National Parks Administration</i>	2004.6 ~	X	X	X	X	X	X	X	X	X	X	X

Institutions	Full name	Position	Term	Working groups meeting times											
				FY 2004				FY 2005			FY 2006				
				1	2	3	4	5	6	7	8	9	10	11	
MCA	Daniel Fernandez✂	Chief, Department of Regional Development, Iguazu National Park	2005.8 ~								X	X	X	X	
	Marcelo Aap✂	Representative of the Secretariat of Tourism, Environment and Sports	2004.6 ~	X	X	X	X	X	X	X			X	X	X
	Fabian Basilio	Secretary, Secretary of government, MCA	2004.6 ~	X	X	X		X							
	Javier Gustavo Rassetto	Technician, MCA	2004.6 ~2005.8												
MERNRyT	Miguel Rinas✂	General Director of the Ministry of Ecology	2004.6 ~	X	X	X	X	X	X	X					
	Estela Poisson	Chief, Division of Environmental Education	2004.6 ~						X						
	Onécimo Olivera	Park Ranger of the Ministry of Ecology	2004.6 ~												
	Monica Schloder	Park Ranger of the Ministry of Ecology	2006.5 ~									X	X	X	X
	Mabel Da Rosa	Park Ranger of the Ministry of Ecology	2005.9 ~									X	X	X	X
	<i>Hugo Camara</i>	<i>Assistant of Minister, MERNRyT</i>	<i>2004.6 ~</i>		X	X	X	X	X	X	X	X	X	X	X
APN	<i>Daniel de la Torre✂</i>	<i>Director, Iguazu National Park, Chief, Department of Construction</i>	<i>2004.6 ~2005.08</i>	X					X	X					
	<i>Adrian Georgopulos</i>	<i>PNI Park ranger</i>	<i>2004.6 ~2005.08</i>	X	X	X	X								
	Hugo Chaves✂	Technician of the National Parks Administration	2004.6 ~	X	X	X	X	X	X	X	X	X	X	X	X
	Cecilia Belloni	PNI Park ranger	2005.8 ~								X		X	X	X
MCA	Marcelo Aap✂	Representative of the Secretariat of Tourism, Environment and Sports	2004.6 ~	X	X	X	X	X	X	X				X	
	Silvia Benitez	Teacher	2004.6 ~2005.8												
	Emilio Wohegein	Staff, MCA	2004.6 ~2005.8												
	Maurico Bogado	Employee of the Secretariat of Tourism, Environment and Sports	2004.6 ~	X	X	X	X	X	X	X	X	X	X		X

Institutions	Full name	Position	Term	Working groups meeting times											
				FY 2004				FY 2005			FY 2006				
				1	2	3	4	5	6	7	8	9	10	11	
Working Group 3	MERNRyT	Dario Silva※	Executive Coordinator of the Green Corridor	2004.6 ~	X	X	X	X		X	X				
		<i>Hugo Camara</i>	<i>Assistant of Minister, MERNRyT</i>	2004.6 ~		X	X	X	X	X	X	X	X		X
		Omar Sánchez	Technician, MERNRyT	2004.6 ~						X					
		María Benitez	Technician, MERNRyT	2004.6 ~											
		Ariel Kremar	Staff, Subsecretary of Tourism, MERNRyT	2005.8 ~			X	X				X			
		Paula Bertotto	Staff, Subsecretary of Tourism, MERNRyT	2006.7 ~								X	X	X	X
	APN	<i>Daniel de la Torre</i> ※	<i>Director, Iguazu National Park, Chief, Department of Construction</i>	2004.6 ~2005.08	X					X	X				
		<i>Adrian Georgopulos</i>	<i>PNI Park ranger</i>	2004.6 ~2005.08	X	X	X	X							
		Hugo Chaves	Technician of the National Parks Administration	2004.6 ~	X	X	X	X	X	X	X	X	X	X	X
	MCA	Marcelo Aap ※	Representative of the Secretariat of Tourism, Environment and Sports	2004.6 ~	X	X	X	X	X	X	X		X	X	X
		Mauricio Bogado	Employee of the Secretariat of Tourism, Environment and Sports	2004.6 ~	X	X	X	X	X	X	X	X	X		X
		Aldo Fernando Antunez	Employee of the Secretariat of Tourism, Environment and Sports	2006.7 ~									X		
		Luis Randon	Staff, MCA	2004.6 ~2005.8		X									
JICA	Watanabe Mitsuru			X	X		X	X	X	X	X	X	X	X	
	Osaki Hiromoto			X	X	X	X	X	X	X	X	X	X	X	
	Sato Naoyuki			X	X	X	X	X	X	X	X	X	X	X	
	Fujisono Daigo			X	X	X	X	X	X	X	X	X	X	X	

Note 1: Persons indicated with boldface fonts denote counterpart for evaluation.

Note 2: Persons indicated with Italic fonts denote counterpart personnel concurrent with other components.

Note 3: FY: Fiscal Year

Table 5.5 List of meeting observers

	Full name	Institution	Meeting of the Joint Coordination Committee							Meeting of the Working Groups													
			FY 2004		FY 2005			FY 2006		FY 2004				FY 2005			FY 2006						
			1	2	3	Extraordinary	4	5	6	1	2	3	4	5	6	7	8	9	10	11			
1	Jacobo, Luis	MERNRyT										X		X									
2	Brodzciz, Stella Maris	MERNRyT										X	X	X			X						
3	Marin, Maria Alejandra	MERNRyT										X	X	X									
4	Radins, José	MERNRyT										X		X									
5	Welcz, Segismundo	MERNRyT											X										
6	Arzamendia, Esteban	MERNRyT			X				X														
7	Kremar, Ariel	MERNRyT		X																			
8	Espina, Héctor	APN								X													
9	Gandin, Patricia	APN								X													
10	Armata, Cristina	APN								X													
11	Crosta, Daniel	APN/PNI														X	X	X	X	X			
12	Romero, Raúl	APN/PNI																				X	
13	Fernandez, Daniel	APN/PNI				X		X	X														
14	Chaves, Hugo	APN/PNI	X	X	X	X		X	X														
15	Georgopulos, Adrian	APN/PNI	X	X																			
16	Tome, Mario Francisco	APN			X																		
17	Aap, Aldo	MCA											X		X						X		
18	Bogado, Mauricio	MCA		X	X			X	X														
19	Cafiero, Ana	Ministry of Foreign Affairs								X													
20	Toribio, Alicia	Sec. Environment								X													

	Full name	Institution	Meeting of the Joint Coordination Committee						Meeting of the Working Groups											
			FY 2004		FY 2005			FY 2006	FY 2004				FY 2005			FY 2006				
			1	2	3	Extraordinary	4	5	6	1	2	3	4	5	6	7	8	9	10	11
21	Costa Alvez, Victoria	JICA-L		X	X					X	X	X	X							
22	Choulet, Marcelo	JICA-L		X						X	X	X	X							
23	Beck, Lilian	JICA-L		X						X	X	X	X							
24	Pato, Maria Cecilia	JICA-L									X									
25	La Barba, Fernanda	JICA-L									X									
26	Bruera, Juana Angela	Teacher								X	X									
27	Goñi, Alberto Gabriel	BPVA									X									
28	Iriani, Oscar	MERNRyT-C			X															
29	Watanabe Masaru	Japan Embassy							X											
30	Nagano Masatsugu	Japan Embassy							X											
31	Tsujikawa Aki	Japan Embassy							X											
32	Ito, Masahiro	JICA			X				X											
33	Watanabe, Ayako	JICA-C			X															
34	Takano, Kenichi	JICA							X											
35	Mishima, Mitsue	JICA-C							X											
36	Asano, Koji	JICA-B		X									X							
37	Ikeda, Kentaro	JICA-B		X									X							
38	Mesquita, Edith	IBAMA		X									X							
39	Leon, Maura	IBAMA		X									X							

Note: FY: Fiscal Year