

BRAZIL INLAND FISHERIES

Sustainable Livelihoods and Conservation

CIDA project A-020911

SEMI-ANNUAL NARRATIVE PROGRESS REPORT IV
FOR THE PERIOD October 1, 2004 – March 31, 2005

Canadian International Development Agency
Brazilian Agency for International Cooperation

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Executive Summary

The current semi-annual report covers the activities of the CIDA project “Brazil Inland Fisheries: Sustainable Livelihoods and Conservation” conducted between October 31st, 2004 and March 31st, 2005. During this period, numerous activities were carried out, including: training workshops on participatory planning and facilitation, meetings for partnership development with local municipalities; a Stock Assessment Workshop in São Gonçalo de Abaeté, a conference session on fish telemetry in Brazil, training internships to Canada in DNA and aquaculture, technical assessment visits to Brazil by Canadian experts in fish handling and processing, community development and gender initiatives and environmental education, project management and community development support in Brazil, participation in 2 state conferences, contributions to local public press, participation in São Francisco River Hydrographic Basin Committee (CBHSF) meetings, project website posted in both English and Portuguese, project management and planning meetings and project management and technical missions to Brazil by Joachim Carolsfeld and Brian Harvey (see report for full list).

Progress towards expected outputs in the subprojects and crosscutting themes is approximately 50%, whereas progress towards long-term outcomes is approximately 25%.

Summary of Activities

See Appendix A for a tabular summary of results and indicators for activities completed during the reporting period.

Sub-project 1 – Preparing communities for co-management

Activities Completed

- *Activity 1.1.4 – Identify and resolve user group conflicts.* Training workshops on participatory planning and facilitation were held in Três Marias and Pirapora on October 29th and 30th, 2004, respectively. The workshops were conducted by Alison Macnaughton (WFT) and Rosângela Paulino de Oliveira and were attended by 12 project partners and community members in each location. The objective of the workshops were to train community leaders in participatory methods and tools for facilitating community events and activities, taking into account the principles and values of participatory community development. A report was prepared by Rosângela Paulino de Oliveira, the workshop facilitator (see Appendix C).
- *Activity 1.1.4 – Identify and resolve user group conflicts.* As a follow-up to the facilitation training workshop mentioned above, a series of 5 meetings were held from November 3rd to 7th, 2004 in Ibiaí, Barra do Guaicui, Pirapora, Buritizeiro and Três Marias to evaluate progress of the project and identify desired directions of growth. The meetings identified representatives to carry these messages to the IDRC project evaluation later that month (see below). See Appendix C for a report, prepared by Alison Macnaughton (WFT) and Thais Madeira (UFSCar), and an agenda of the meetings.

A participatory review was carried out, with the CIDA project's assistance, of the progress of the complementary IDRC co-management project. This meeting took place in Pirapora, November 18th to 20th, 2005, with participation of all the fishing communities, some other local fishing interests, UFSCar, IARA, WFT, PMMG, IDRC, and CIDA. The meeting did not provide a concrete analysis of the project, but served to re-enforce community participation in the process, built improved ties between the fishing communities, police, and government, and resolved some on-going disputes between some fishing groups. The actual project evaluation was completed in January by UFSCar and IARA. A report of the event was prepared by the facilitator, Margarida Ramos (see Appendix C).

- *Activity 1.1.4 – Identify and resolve user group conflicts.* A workshop entitled “New Directions, Alternatives and Solutions for the CAP” was held in Três Marias on March 30th, 2005. The event was a first step, with the new municipal government of Três Marias, towards resolving a long-standing controversy on the function and operation of the Assistance Centre for Fishermen - CAP. The project helped design the public consultation process and participatory decision making framework, brokered multi-stakeholder participation and provided a facilitator for the event. The facilitator, Margarida Ramos, prepared a report of the workshop (see Appendix C).
- *Activity 1.2.1 – Transfer of Amazon experience to São Francisco River.* Claudemir Oliveira da Silva was hired as a consultant to develop an Access database for insertion of the data collected during the community census conducted by the “Rumos” project (IDRC) in February of 2004. The database will assist facilitators to develop co-management practices and will provide a baseline for monitoring results. Claudemir also prepared a report describing how the co-management process with the São Francisco fishermen differed from that carried out by IARA in the Amazon and a user's manual for the database. See Appendix C for Claudemir's report on the database.
- *Activity 1.3.1 – Community policing review –* Captain Arley Ferreira (Polícia Militar MG) participated in a workshop of the Integrated Unit of Environmental Defence (Unidade Integrada de Defesa Ambiental, UNIDA) which was held in Alto do Chão, Santarém November 29th to December 1st, 2004. UNIDA facilitates environmental policing, including community policing of fisheries, in the Amazon region. The meeting was sponsored by IBAMA's Projeto ProVarzea, who invited Capt. Arley to participate as a representative of the CIDA project. The workshop was attended by executives of ADA, IBAMA, MMA and ProVárzea, as well as representative of the civil, highway and military police and fishing colonies of Pará. The CIDA project contributed Arley's flights and per diem, while other costs were covered by Projeto ProVarzea. The workshop served to exchange experiences in environmental management, and will be followed up by a trip by UNIDA representatives to Minas Gerais to discuss options for funding of activities in regional municipalities of west Pará. Arley prepared a report of the workshop (see Appendix C).

Outputs

- Fishing community leaders better able to plan and facilitate community events and activities;

- Project partners (fishing community and city hall representatives) with new understanding of conflict management strategies;
- Project participants and implementing institutes with better defined community development directions and more developed plans for participation;
- Project management group with a better understanding of community characteristics and needs;
- Project management group with improved understanding of community policing needs and the Military Police with a new network between Minas Gerais and the Amazon fostered.

The percentage of project outputs achieved to date for Sub-project 1 is estimated to be 25%.

Outcomes

Activities have created a substantially improved capacity for self-determination and organization. An estimate of how close we are to achieving the outcomes in Sub-project 1 is 30%.

Sub-project 2 - Building sustainable livelihoods

Activities Completed

- *Activity 2.1.1 – Participatory assessment of community attributes, needs and development strategies.* A project management team, including Joachim Carolsfeld (WFT), Alison Macnaughton (WFT), Erika de Castro, Ana Thé (UFSCar), Raimundo Marques, (FPAMG) and/or local fishing colony representatives conducted visits to 6 new municipal governments in the project’s focal area from February 21st – 26th, 2005 – São Gonçalo, Três Marias, Varzea da Palma, Buritizeiro, Pirapora and Ibiaí. The purpose of these visits was to introduce the project to the new governments and assess community assets, requirements, and interests with regard to project activities - particularly fisheries-related economic development, gender and youth initiatives, and environmental education. Reports of each individual meeting, a summary of the presentation given at the meetings and some photos are included in Appendix D.
- *Activity 2.1.1 – Participatory assessment of community attributes, needs and development strategies.* Erika de Castro conducted a visit to Brazil November 14th to December 1st, 2004 to review community development and gender initiatives of project and develop a strategy for the implementation of these parts of the project. The trip also served as an opportunity to introduce Erika to relevant project partners. As a result of this visit, it was concluded that community development will depend largely on support from municipal governments. This initiative was therefore followed up by a second trip to Brazil from February 17th to 28th, 2005, during which Erika participated in visits to the new municipal governments (described above) which will be the basis for revised strategies in the project on community development, gender and youth. Erika’s report on these visits is included as Appendix D.

- *Activity 2.3.1 – Aquaculture risks and development.* Bernardo Sardão (UFSC) conducted a two month internship, from September 20th to November 20th, 2004, to train in new aquaculture methods and the mitigation of associated environmental effects. Bernardo prepared a report of his trip (see Appendix D).
- *Activity 2.3.1 – Network Building and strengthening of local NGOs.* On March 15th and 16th, 2005, the project hosted a research team from the Montes Claros-based chapter of the NGO Comissão Pastoral da Terra (CPT) in Três Marias, while they conducting an information gathering mission in the region. A number of project partners, including Alison Macnaughton (WFT), Ana Thé (UFSCar), Raimundo Marques (FPAMG), Alcindor (Fishing Colony, Três Marias) and Ceica Correia (PMTM), then attended a meeting hosted by the CPT in Buritizeiro on March 18th and 19th, 2005. The meeting was an opportunity to discuss issues affecting São Francisco Basin communities, and to strategize as to how different NGOs could collaborate on initiatives identified as high priority - including raising awareness of the risk of transposition of the São Francisco River and providing organizational assistance to communities adversely affected by mining and the charcoal industry. There was a strong presence of CPT representatives from the national level at the meeting. Several project partners volunteered to assist the group in compiling educational materials about the transposition of the São Francisco River, participate in organizing committees (Ana Thé and Ceica Maria Correia) and help build a communication network between the NGOs involved. A report of the meeting was prepared and includes a report by Alexandre Gonçalves (CPT Norte de Minas), a list of participants and some photos (see Appendix D).
- *Activity 2.3.3 – Value added development in Brazil.* Michael Shawyer, a consultant with many years experience in artisanal fisheries development, conducted a technical review visit to Brazil November 2nd to 14th, 2004 to develop strategies to improve fisheries returns without necessarily increasing catch. During his trip, Michael visited the fishing communities of Três Marias, Pirapora, Buritizeiro, Ibiaí, Barra do Guaiacuí, Morada Nova, and Formiga – in many cases participating in community meetings to discuss fisheries issues. He reviewed current fishing and fish handling practices, the potential for improvements and value-added products, institutional capacity for regulating fish quality and supporting fisheries development and the potential for training opportunities. Michael prepared a report of his visit, which includes recommendations for immediate actions, such as short courses for fishermen on improving the use of ice and economic management of fisheries operations (see Appendix D).
- *Activity 2.3.3 – Value added development in Brazil.* As part of her community development visit to Brazil from Nov 14th to December 1st, 2004 Erika de Castro explored potential for partnerships for business development, and identified the Ministry of Labour's Economia Solidária program as having the greatest immediate potential. She secured an expression of interest from the ministry to set up Business Incubators in our pilot communities. For details see Erika's trip report in Appendix D.

Outputs

- Fishing colonies and federations and project management group with new partnerships with 6 municipalities and other local institutions in target area;
- Local partners and project management group with improved understanding of community attributes and potentials for building sustainable livelihoods;
- Technical team with improved understanding of sustainable aquaculture;
- Improved networking and strengthening of local NGOs;
- Fishing colonies and federations and project management group with improved understanding of technical limitations to optimizing returns from existing fisheries; and
- Communities with increased opportunities for community economic development.

The percentage of project outputs achieved to date for Sub-project 2 is estimated to be 35%.

Outcomes

Activities continue to set the stage for desired outcomes of this sub-project, though we foresee that these activities will intensify in this coming year. Confirmation of sustainable outcomes is thus expected in later stages of the project. An estimate of how close we are to achieving the project outcomes in Sub-project 2 is 25%.

Sub-project 3 – Securing the fisheries resource

Activities Completed

- *Activity 3.1.2 – DNA training in Canada.* Gabriel Yazbeck (UFMG) continued his internship in Canada to train in DNA technologies for distinction of fish populations for management purposes and to assess the impact of stocking. This internship will be finished in April of 2005.
- *Activity 3.2.2 – Canadian radiotelemetry assistance in Brazil.* A special session on the current status of fish radiotelemetry in Brazil was held at the 26th Biannual Meeting of the Brazilian Ichthyological Society (SBI), held in João Pessoa January 25th, 2005. The session was organized by project trainee Lisiane Hahn (UEM – Nupélia), with financial support from Itaipu Binacional and Lotek Wireless Systems. The session included 4 excellent Brazilian presentations on pilot radiotelemetry studies in the São Francisco, Paraná and Uruguai basins. Karl English (LGL Ltd.) and Brian Harvey (WFT) attended the meeting as project representatives. The workshop was a follow-up to an introductory radiotelemetry course held by WFT in 1999, with Karl's assistance. Lisiane prepared a report of the session (see Appendix E).
- *Activity 3.3.1 – Stock assessment.* A two-day Stock Assessment Workshop was held in São Gonçalo de Abaeté February 2nd to 4th, 2005 to discuss for the first time the role of stock assessment in participatory fisheries management in the area. The meeting was

attended by most stakeholder groups in the SF basin, including local fishing colony and federation representatives, the regulatory and fisheries development agencies, the municipal government, other interested community members, and technical experts from Canada (Neil Schubert, FOC) and the Amazon and Paraná basins. A consensus was developed to collaboratively implement a stock/fisheries assessment program, with key elements and likely challenges identified. The Special Secretary for Aquaculture and Fisheries (SEAP) committed its support and a subsequent technical workshop will be hosted by the project and SEAP to develop a specific proposal of how to carry out the monitoring program. A summary of the workshop, including next steps and a list of participants, was produced in an easily readable and distributable booklet format. 100 Portuguese and English copies of the booklet were produced and are being distributed throughout Brazil and Canada. See Appendix E for a report of the workshop prepared by Joachim Carolsfeld (WFT).

- *Activity 3.4.4 – Reducing industry impacts.* Alison Macnaughton (WFT) prepared a presentation entitled “Guide to Agriculture – Water Management,” and presented the project to a meeting of farmers in São Gonçalo do Abaeté on March 18th, 2005. The presentation summarized guidelines used in Canada for environmental friendly agriculture, including the use of fertilizers and, nutrients, control of erosion, management of soil compaction and moisture, pest management, pesticide use, irrigation, drainage and ditches and maintenance of riparian vegetation. The municipality of São Gonçalo do Abaeté is actively working to develop tools to continue educating farmers about best practices for agriculture that don’t harm local aquatic ecosystems and are discussing the possibility of holding a multi-stakeholder seminar for users of the river and its tributaries to discuss strategies for sharing and protecting the resources. See Appendix E for a copy of Alison’s presentation.
- *Activity 3.6.2 – Review water management models.* The project supported the participation of Barbara Johnsen (PMMG) in several basin committee meetings (see Appendix E for Barbara’s report). Silvia Freedman, of COMLAGO (institution partner in Três Marias) was elected president of the local water basin committee (SF4). In order to strengthen ties between the project and the São Francisco River Hydrographic Basin Committee (CBHSF), Raimundo Marques (president, Federation of Artisanal Fishermen of Minas Gerais) and Barbara Johnsen sent letters to Dr. José Carlos de Carvalho (president, CBHSF) stating the common goals of the basin committee and the project, urging cooperation between the two and offering to act as a facilitator to future cooperation.

The project continues to work on water management at the local level, with the recuperation of the Barreira Grande in Três Marias, although municipal elections have temporarily put these efforts on hold.

- *Activity 3.7.7 – Develop pollution assays.* Discussion has been ongoing between project partners, fishermen, environmental protection agencies and local water service providers since early February, 2005, regarding a large surubim mortality event, the causes of which is still not identified. These mortalities were first observed in late January 2005 and have continued, at a slower rate, until the present time. They probably represent a large

proportion of the reproductive stock of the species in this part of the river. Initial investigations have been mostly superficial, however, Alison, together with the local fishermen, have lobbied government agencies strenuously, and the project has proposed to these agencies an investigative strategy for this particular mortality and longer-term monitoring and training strategies to deal with and reduce future mortalities, with the participation of the fishing communities. This proposal is now being pursued.

- *Activity 3.7.7 – Develop pollution assays.* A meeting was held in Três Marias on March 11th, 2005, to discuss the development of a water quality monitoring program and a series of workshops or short courses in water quality analysis, aquatic ecosystems, bioindicators and environmental pollutants and pollution assays. Project partners attending the meetings included UFSCar (biochemistry and environmental education departments), CODEVASF, local Três Marias environmental education specialists, Cathy Carolsfeld (educator, WestWind SeaLab Supplies), WFT, and the Três Marias fishing colony. Cathy prepared a report of the meeting (see Appendix E). A commitment was expressed in this workshop to carry out education in a participatory manner, recognising local knowledge, and fostering the participation of fishermen in the sampling process. However, the UFSCar interest has subsequently been limited to sampling for metal contamination research, for which it already possess funds through a project financed by IDRC, so other partners may need to be identified to carry forth a broader strategy.

Outputs

- Technical team and Brazilian partners with improved and broader application of DNA technologies to fisheries management;
- Technical team and Brazilian partners with improved understanding of fish radiotelemetry methods and applications and of migratory fish behaviour in Brazil;
- Institutional partners, fishing community participants and management group with improved understanding of the role of stock assessment in target area;
- São Gonçalo de Abaeté municipal partners with improved local understanding of environmentally friendly farming practices;
- Improved community capacity for participatory research and monitoring of water quality and fish stocks.

The percentage of project outputs achieved to date for Sub-project 3 is estimated to be 35%.

Outcomes

The most marked outcome in this sub-project, so far, is the greater participation and recognition of the fishing community in the consideration of these initiatives by the government and other partners. This will be an important basis for the intensification of activities in this component in the coming year. We estimate that we are 40% towards achieving the project outcomes proposed for Sub-project 3.

Cross-cutting Theme A – Assist the development of policies for sustainable fisheries with community participation

Activities Completed

Several of the activities listed within the sub-projects above relate to the development of policies for community inclusion in fisheries management. The meeting on fisheries stock assessment and the evaluation of IDRC project “Rumos” (sub-project 1: fisheries co-management) contributed most substantially to this, but the self-determination seen in the communities will drive this development in the near future. The participation of local partners in basin committees has also made them better political representative for the fish.

Outputs

The percentage of expected outputs achieved to date for Cross-cutting Theme A is estimated to be 50%.

Outcomes

Sub-projects 2 and 3 have contributed considerably to the progress towards community-based participatory processes. Advances can be estimated as 40% of the final desired outcomes.

Cross-cutting Theme B – Public awareness and education

Activities Completed

- *Activity B.2.4 – Local press on fisheries issues.* Barbara Johnsen (SEMEIA) used the monthly column “Coluna Ambiental” for October in “O Sertanejo”, the local Três Marias newspaper, to insert notice on the progress of the PPA project. See Appendix F for a copy of the column.
- *Activity B.2.4 – Local press on fisheries issues.* Mention was made several times of the progress of the PPA during the Três Marias city hall Rádio Canaã program "The City and You".
- *Activity B.2.5 – Evaluate Educational Goals.* Canadian environmental education expert Cathy Carolsfeld (Westwind Sea Labs supplies) and the Brazilian coordinator for these themes, Barbara Johnsen, conducted a survey of existing environmental education programs in project focal communities from February 28th to March 12th, 2005. The survey included environmental education and school directors in the municipalities of São Gonçalo do Abaeté, Buritizeiro, Varzea das Palmas (Barra do Guacui), Ibiaí and Pirapora, as well as environmental education program leaders of various government agencies in these municipalities and in Belo Horizonte. The results include profiles of schools and other educational institutions, official and un-official environmental instruction programs, NGOs, government institutions and companies acting in environmental education in the area and interests and knowledge of educators and program directors. Cathy prepared a report on her trip but it was not available in time for this report. See Appendix F for a report of the survey prepared by Barbara Johnsen.

Outputs

- Improved public awareness of fisheries issues in Brazil; and
- Improved understanding of community environmental education needs and capacities and enhanced support for environmental education in project focal area.

The percentage of project outputs achieved to date for Cross-cutting Theme B is estimated to be 35%.

Outcomes

No sustainable outcomes are yet evident in this sub-theme, though advances can be estimated as 25% of the final desired outcomes.

Cross-cutting Theme C - Creating opportunities for women, youth and family

Activities Completed

- *Activity C.1 – Women’s needs.* The “1st State Conference of Women in Fisheries and Aquaculture” (I Encontro Estadual de Trabalhadoras da Pesca e Aquicultura) was held in Bairro Quinta das Jangadas, Ibitié, MG November 25th and 26th, 2004. Project representation at the conference included Alison Macnaughton (WFT), Barbara Johnsen (PMTM) and Thaís Madeira (UFSCar). The conference was attended by 60 female delegates from Colonias de Pescas and Associações de Piscicultores, which included 8 delegates from Três Marias, 5 delegates from Pirapora and 2 delegates from Ibiaí. The project supported the conference by participating in its organization and facilitation, as well as providing some support for printing materials. A report of the conference was prepared, which includes a trip report by Alison Macnaughton, the agenda and community handout and a press release by SEAP (see Appendix F).
- *Activity C.3 – Youth needs and strategies.* A meeting was held in Vancouver January 12th, 2005 with Susan Kurbis of the Environmental Youth Alliance to discuss possible direction for project youth initiatives and her participation in the project. The meeting was attended by Joachim Carolsfeld, Carmen Ross, Alison Macnaughton and Branden Beatty of World Fisheries Trust and Erika de Castro.

Outputs

- Improved understanding of role of women in fisheries and aquaculture; and
- Linkages to new Canadian expertise of special application to the project area.

The percentage of project outputs achieved to date for Cross-cutting Theme C is estimated to be 35%.

Outcomes

The percentage of progress towards project outcomes to date for Cross-cutting Theme C is estimated to be 30%.

Management

Activities Completed

- A completed version of the project website was posted on December 1, 2004 in both English and Portuguese. The website (www.worldfish.org/Brazil/PPA_Index.html) contains useful and interesting information and materials on the project, its partners, project activities, results and news, as well as a page on the São Francisco River and a photo gallery. The addition of local content by Brazilian partners will take place over the coming two years.
- Newsletter - SEMEIA started producing an informative newsletter on the PPA titled "The São Francisco, a river of National Fairness", which was to be sent to project partners for approval and contributions. The Federation also initiated a similar effort. However, these initiatives have stalled at the moment, in part due to a change in municipal governments.
- Joachim Carolsfeld (WFT) conducted a 3-week project management and technical mission to Brazil November 14th to December 6th, 2004. During this visit he facilitated Michael Shawyer's visit on improving fisheries returns, participated in review of the IDRC project, assisted in a preliminary survey for development of Sub-project 2, introduced Erika de Castro to project partners, arranged and conducted a review of Sub-project 3, reviewed management structure and pursued Brazilian counterpart options. See Appendix G for a copy of Yogi's trip report.
- Brian Harvey (WFT) conducted a 2-week project management and technical mission to Brazil January 24th to February 8th, 2004. During this visit he met with numerous project partners in São Paulo, Belo Horizonte, Três Marias, Pirapora and Ibiaí, participated in the 26th Congress of the Brazilian Ichthyological Society (SBI) held in João Pessoa January 25th to 27th, researched the proposed São Francisco transposition project, as well as planning and participating in the two-day Stock Assessment Workshop held in Três Marias February 3rd and 4th. See Appendix G for a report prepared by Brian.
- Joachim Carolsfeld (WFT) also conducted a 6-week project management and technical mission to Brazil January 30 to March 15th, 2005. During this visit he coordinated, facilitated, and reported on a stock assessment workshop in São Gonçalo do Abaeté, introduced the project to new municipal governments of the area participated in a survey of Environmental Education resources, and participated in a review of the project's progress and partnerships. See Appendix G for a copy of Yogi's trip report.
- A participatory review meeting was held in Belo Horizonte December 2nd and 3rd, 2004 to revise sub-project 3, the component of the project addressing the recuperation of fisheries resources. Members of the fishing communities, academia, government, extension agencies, WFT and CIDA were present, as well as a representative of Projeto Manuelzão.

Several participants presented summaries of current activities that could be relevant to collaboration with the project, as were the issues initially proposed and currently being pursued. Breakout groups then developed a set of current priorities and issues of greatest concern, which are currently being compiled together with those of other project discussions to be developed by a working group in early 2005. Magda Salles and Maria Alice S. Moura, the meeting facilitators, prepared a report of the meeting (see Appendix G).

- World Fisheries Trust held regular management meetings during the reporting period in the Victoria office to review project activities, plan for upcoming activities and discuss management issues.
- Alison Macnaughton completed a 5 month term in Brazil December 6th, 2004 and began a second 4 month term on January 21st, 2005. Both were based in Três Marias with regular visits to the 5 other pilot communities and Belo Horizonte and assisted in the transfer of participatory management technology, community development strategies and local coordination of the project.
- SEMEIA-PMMG participated in and helped plan and conduct a variety of project planning meetings and project activities, as well as representing the project at numerous local, regional and international workshops, Basin Committees and conferences. Barbara Johnsen prepared a report of relevant SEMEIA activities during this reporting period (see Appendix G).
- Alison Macnaughton (WFT), Ana Thé (UFSCar) and Ceíça Maria Correia (PMTM) participated in a Lessons Learned and Exchange of Experiences Meeting between Community Development projects supported by CIDA in Brazil, held in Guarulhos, SP October 5th and 6th, 2004. The purpose of the meeting was to share experience of, challenges faced by, knowledge gained by and methodologies used by CIDA projects all over Brazil, to promote significant and sustainable community development and to promote the adaptation and implementation of these ideas and activities in other communities in Brazil, and around the world. The meeting was attended by coordinating groups and project technician from different regions of the country working with different faction of society (women, youth, fishers, agriculturists, etc) and in different thematic areas (water management and conservation, aquaculture, organic agriculture, artisans, human rights, etc). A report of the event was prepared which includes a trip report by Ceíça Correia and an agenda (see Appendix G).

Outputs

- Improved communication and feedback between project participants;
- Improved consensus on project management;
- Improved participatory management in both Brazil and Canada; and
- Improved project sustainability.

Outcomes

An estimate of how far we have moved towards the goal of sustainable, participatory management, including participatory performance of all CIDA-required reporting, is 40%.

Project Spin-Offs

- *Activity 3.2.2 – Canadian radiotelemetry assistance in Brazil.* William Koski (LGL) conducted a technical trip to Itaipu dam in Iguassu, Brazil, October 13th to 15th, 2004 to assist in the final set-up and operation of 5 radiotelemetry stations along the Itaipu Piracema canal for NUPELIA. Activities included: assembly of one of the fixed stations, training in surgical procedure for marking fish, practical description of installation and configuration of sub-aquatic antennas and Lotek receivers, description of LGL data analysis programs and discussion of radiotelemetry equipment of different manufacturers (Lotek, Grant Systems and Habit Research). Training was provided to researchers not only from NUPELIA, but also from UFMG, UFSC, and IBAMA (CEPTA - Pirassununga). Data collected at Itaipu was presented at the Society of Brazilian Ichthyologist meeting in João Pessoa (see above) and will also be presented at the next international telemetry conference in Portugal. The paper, authored by Lisiane Hahn (Universidade Estadual de Maringá- Nupélia), Karl English and Bill Koski (LGL), Joachim Carolsfeld (WFT) and Luiz da Silva (UFMG), is entitled “Radiotelemetric Evaluation of passage of Neotropical Migratory Fish species through the world’s largest bypass channel at the Itaipu Dam, Iguassu, Brasil”. Luiz Gustavo Martins da Silva (UFMG) prepared a trip report for his participation in this activity (see Appendix G).

Variance of Activities Planned vs. Carried Out

While a number of these activities did not yet get to the proposed level of fruition, most are likely to be completed or initiated by the end of the current fiscal year (see tables). The improved local management of the project is now paying off by making it possible for technical activities to catch up with their agenda. The project is generally on track regarding activities agreed to in the annual work plan.

Variance of Expenditure Forecasted vs. Actual

The project is still under-spent at this point, primarily due to lower consultant expenditures than projected and associated lower travel and direct costs. This variance is currently reversing with the longer-term participation of a Canadian in Três Marias, increased WFT manpower, and increasing activities in the technical and community development sub-projects.

CIDA has proposed that the project be extended for another year within the existing budget, a measure that accommodates our present spending patterns and projections. WFT has accepted this suggestion and delivered a revised, four-year budget to the CIDA management team.

Problems and Difficulties

There are no significant new problems since the filing of the last report. A minor concern is the local and national profile of the project, which is important for geographic buy-in on the part of other communities as well as providing a solid basis for the raising of counterpart financial contributions. Ways to raise the profile, including better communication between partners, are being discussed.

Report on Gender Equity Strategy

No significant changes from the previous report. The project continues to support a “made in Brazil” gender strategy.

Key Lessons Learned During Reporting Period

The issue of project profile has already been mentioned. This is perhaps the key lesson that has been learned in this reporting period, and is being addressed through inclusion of “profile generation” criteria in activity planning.

Areas Requiring CIDA Action or Approval in Near Future

A number of contract amendments are pending, as well as CIDA approval of the revised four-year budget and work plan.

Upcoming Missions To and From Brazil

The most immediate foreseen missions to and from Brazil include:

- Expert TBA - habitat restoration technical workshop and assistance for proposal development (Apr 2005)
- Alison Macnaughton (WFT) - community development and project management support (Apr & Jun - Sep 2005)
- Vasco Campos Torquato (CEMIG) - review paper on status of Brazilian fish culture (Apr - Sep 2005)
- Rick Haddow (Calgary Police), Herb Reddekopf (DFO), TBA (Native Guardian Program) - technical visit in community policing (May 2005)
- Brian Harvey (WFT), Joachim Carolsfeld (WFT), Erika de Castro (consultant) - project management meetings (June 2005)
- Erika de Castro (consultant), Thais Madeira (UFSCar) - gender workshops (Jun - Oct 2005)

- Alex Grybowski (University of Victoria, Institute for Dispute Resolution) - technical visit and workshop in conflict resolution (July 2005)
- Susan Kurbis (Environmental Youth Alliance), Carmen Ross (WFT), TBA (Native Friendship Centre) - technical visit in youth initiatives (Aug - Sep 2005)
- Expert TBA - training courses in value added fish products (Aug - Oct 2005)
- Erika de Castro (consultant) - artisanal fairs and training (Sep 2005)
- Expert TBA – bio-indicators workshop (Sep 2005)

Please see the Annual Work Plan for a full listing.

Appendix A – Results and Indicators for Activities Conducted During the Reporting Period (taken from revised LFA)

Subproject/theme Component Activity	Completed During Reporting Period	Result	Indicators (disagregg. by gender & societal function)
1. Preparing communities for co-management			
<i>1.1 Assessment and revision of co-management strategies</i>			
1.1.4 Identify and resolve user group conflicts	October 29 & 30, 2004 - Training workshops on participatory planning and facilitation, in Três Marias and Pirapora - conducted by Alison Macnaughton (WFT) Nov 3 - 7, 2004 - series of 5 community-based evaluation meetings of the IDRC project, in Ibiaí, Barra do Guaicui, Pirapora, Buritizeiro and Três Marias Nov 18 - 20, 2004 - IDRC project review event, in Pirapora Mar 30, 2005 - workshop titled "New Directions, Alternatives and Solutions for the CAP" held in Três Marias	Fishing community leaders better able to plan and facilitate community events and activities New synergies in decision-making New understanding of project and conflict management strategies Participatory municipal plan developed for controversial fisherman's resource centre in Três Marias	24 trainees; Fewer detrimental conflicts 25 participants (including 9 women) 30 participants (including 13 women) 16 participants (including 4 women)
<i>1.2 Adaptation and transfer of the Amazonian fisheries co-management experience to the Sao Francisco River</i>			
1.2.1 Transfer of Amazon experience to São Francisco River (IARA)	Consultant Claudemir Oliveira da Silva developed an Access database and user's manual for IARA community census data and prepared a report of how the process differed from IARA process in Amazon	Database for community characteristics developed by Brazilian partners	No measurable results with indicators to date
<i>1.3 Assessment and implementation of community policing strategies</i>			
1.3.1 Technical visit to Brazil to review policing situation	Nov 29 - Dec 1, 2004 - Arley Ferreira (Polícia Militar MG) participated in UNIDA workshop of the Integrated Unit of Environmental Defence, in Alter-do-Chão, Santarém	Improved linkages between police and fishing communities	1 new network
2. Building sustainable livelihoods			
<i>2.1 Participatory assessment of community attributes, needs and development strategies</i>			
2.1.1 Assessment and strategy workshops for community development (UBC - Erika)	Feb 22 - 26, 2005 - Meetings for partnership development with local municipalities	Draft partnership agreements developed with 6 local municipal governments	6 new partnerships
2.1.3 Identify or set-up community groups to start considering the situation in the SF	Nov 14 - Dec 1, 2004 - Erika de Castro conducted a visit to Brazil to initiate a review the status of community development and gender initiatives	New strategy for community development developed by Canadian expert, based on municipal, government and NGO linkages	1 consultant report
<i>2.3 Building alternative livelihood options</i>			
2.3.1 Aquaculture risks and development	Mar 18 & 19, 2005 - meeting of the local NGO Comissão Pastoral da Terra (CPT) - Alison Macnaughton (WFT), Ana Thé (UFSCar), Raimundo Marques (FPAMG) and Ceica Correia (PMTM)	Participation in region meeting of local NGO	4 participants (including 3 women), 3 new linkages

Subproject/theme <i>Component</i>	Completed During Reporting Period	Result	Indicators (disaggreg. by gender & societal function)
Activity			
2.3.3 Value added development in Brazil	Sept 20 - Nov 20, 2004 - 2 month internship in new aquaculture methods and the mitigation of associated environmental effects - Bernardo Sardão (UFSC)	Improved understanding of low-risk aquaculture development	1 trainee; 1 report
	Nov 2 - 18, 2004 - fish handling and processing technical visit to Brazil by Michael Shawyer	Improved and diversified Brazilian capacity for improved artisanal fish handling & marketing	1 consultant report
	Nov 14 - Dec 1, 2004 - As part of her visit to Brazil Erika de Castro explored potential for partnership for business development and setting up alternatives community organizations with Ministry of Labour (Activity 2.1.3)	Increased opportunities for community economic development	1 new partnership
3. Securing the fisheries resource			
<i>3.1 Improving fisheries management through DNA training</i>			
3.1.2 Brazilian in Canada to train on use of DNA	March 5, 2004 - March 2005 - Training in genetic analysis of fish stocks - Gabriel Yazbeck (UFMG)	Improved and broader application of DNA tools in fisheries management	1 trainee; 3 publications
<i>3.2 Improving ability to study and understand Brazilian migratory fish behaviour</i>			
3.2.2 Canadian radiotelemetry assistance in Brazil	Jan 25, 2005 - Conference session on current status of fish telemetry in Brazil, at the SBI biannual meeting	Improved understanding of migratory fish	15 Brazilian participants (including 7 women)
<i>3.3 Improving stock assessment capabilities</i>			
3.3.1 Conference session on stock assessment techniques	Feb 2 - 4, 2005 - Stock Assessment Workshop in São Gonçalo do Abaeté to discuss the role of stock assessment in participatory fisheries management in the area	Preliminary strategic plan developed for stock assessment in project area	31 Brazilian participants (including 9 women)
<i>3.4 Reducing industry impact</i>			
3.4.4 Workshop on appropriate corporate policies for social and environmental responsibility	Mar 18, 2005 - Alison Macnaughton (WFT) did a presentation titled "Guide to Agriculture – Water Management" at a meeting of farmers in São Gonçalo do Abaeté	Improved local understanding of environmentally friendly farming practices	No measurable results with indicators to date
<i>3.6 Improving water management practices</i>			
3.6.2 Workshop to review water management models	Participation in several basin committee meetings and improved networking with CBHSF and SF4	Improved community awareness of water management protocols and improved networking	No measurable results with indicators to date
<i>3.7 Improving habitat</i>			
3.7.7 Develop pollution assays	Jan - Mar, 2005 - ongoing discussion and investigation of large surubim mortality event	Increased community capacity for participatory research	No measurable results with indicators to date

Subproject/theme Component	Completed During Reporting Period	Result	Indicators (disaggreg. by gender & societal function)
Activity	Meetings held in Três Marias to discuss the development of a water quality analysis program and a series of workshops or short courses	Development of community-based urban watershed recovery plan in Tres Maris fostered	No measurable results with indicators to date
Cross-cutting B. Public awareness and education			
<i>B.2 Activities for a broader Brazilian target</i>			
B.2.4 Contribute to local press on fisheries issues	Oct 2004 - project progress notice in monthly column "Coluna Ambiental" in "O Sertanejo" - Barbara Johnsen (SEMEIA)	Improved public awareness of fisheries issues in Brazil	1 contribution to local press
	Project progress was mentioned during the TM city hall Rádio Canaã program "The City and You"	as above	1 contribution to local press
B.2.5 Evaluate educational goals	Feb 28 - Mar 12, 2005 - Technical visit by Canadian environmental education expert Cathy Carolsfeld to survey existing environmental education programs with Brazilian partners	Enhanced support for environmental education in project focal area	1 consultant report
	Barbara Johnsen (SEMEIA) conducted a survey of environmental education in the project focal area	Improved understanding of community environmental education needs and capabilities	1 survey report
Cross-cutting C. Creating opportunities for women, youth and family			
C.1 Workshop component on women's needs	Nov 25 & 26, 2004 - Alison Macnaughton (WFT), Barbara Johnsen (PMTM) and Thias Madeira (UFSCar) attended "1st State Conference of Women in Fisheries and Aquaculture" in Ibirité, MG	Report on status of women in fisheries and aquaculture developed	60 Brazilian participants (all women)
C.3 Youth workshop identifying needs & strategies	Jan 12, 2005 - meeting was held in Vancouver with Susan Kurbis (Environmental Youth Alliance) to discuss youth initiatives and her participation in the project	Develop of strategy to increase opportunities for youth in fishing communities initiated	5 participants; 1 new partnership
D. Communication			
D.1 Project website	Dec 1, 2004 - completed version of project website was posted in both English and Portuguese	Communication and feedback between project participants	100% Canadian content created, 75% Portuguese content created
D.2 Project newsletter	SEMEIA is producing an informative newsletter on the PPA titled "The São Francisco, a river of National Fairness", which will be sent to project partners for approval and contributions?	Improved communication and feedback between project participants initiated	No measurable results with indicators to date

Subproject/theme	Completed During Reporting Period	Result	Indicators
<i>Component</i>			(disagregg. by gender &
<i>Activity</i>			societal function)
E. Management			
E.1 Project organization meetings	Dec 2 & 3, 2004 - participatory review meeting in Belo Horizonte to revise sub-project 3	Improved consensus on project management	17 individual event reports
E.3 Ongoing project management	Nov 14 - Dec 6, 2004 - Joachim Carolsfeld (WFT) conducted a 3-week project management and technical mission to Brazil	Reporting to partners and CIDA	8 internal management reports; 4 project reports to CIDA: 3rd Semi-annual Narrative Report, 3rd Annual Work Plan and 7th and 8th Quarterly Financial Reports
	Jan 24 - Feb 8, 2005 - Brian Harvey (WFT) conducted a 2-week project management and technical mission to Brazil	as above	as above
	Jan 30 - Mar 15, 2005 - Joachim Carolsfeld (WFT) conducted a 6-week project management and technical mission to Brazil	as above	as above
	Jan 21, 2005 - Alison Macnaughton (WFT) began a 4 month term in Brazil, based in Três Marias	as above	as above
	Jan 7, 2005 - management meeting at World Fisheries Trust in the Victoria to review project activities, plan for upcoming activities and discuss management issues	as above	as above
	Oct 5 & 6, 2004 - CIDA's Community Development Lessons Learned Seminar in Guarulhos - Alison Macnaughton (WFT), Ana Thé (UFSCar) and Ceíça Maria Correia (PMTM)	as above	as above
E.4 Institutional building	SEMEIA-PMMG planned, conducted and participated in project planning meetings and various project activities, represented the project at numerous local, regional and international workshops, Basin Committees and conferences	as above	Improved project sustainability

Appendix B – Schedule of Activities for Next Reporting Period

Subproject/theme	Component	Planned for Year 3	2005						
			Location		Quarter 1			Quarter 2	
			Brazil	Can	April	May	June	July	Aug
1. Preparing communities for co-management									
<i>1.1 Assessment and revision of co-management strategies</i>									
1.1.2 Co-management and participation conference	Fisheries co-management conference	X							
1.1.4 Identify and resolve user group conflicts	CAP workshop	X			X				
	Technical visit and workshops with Canadian experts in conflict resolution	X					X		
<i>1.2 Adaptation and transfer of the Amazonian fisheries co-management experience to the Sao Francisco River</i>									
1.2.1 Transfer of Amazon experience to São Francisco River (IARA)	IDRC: Radio reporters training	X		X					
	IDRC: Review, reinforcing workshop for leadership and communication	X				X			
	IDRC: Administration and organization of colonies (history and practice)	X				X	X		
	IDRC: Creation and implementation of regional Fisheries Co-management Working Groups	X					X	X	X
	Co-management training for institutional partners (Mauro Ruffino)	X				X	X		
1.2.3 UFSCar monitoring program	UFSCar monitoring program	X		X	X	X	X	X	X
<i>1.3 Assessment and implementation of community policing strategies</i>									
1.3.1 Technical visit to Brazil to review policing situation	Technical visit by Canadian community policing team	X			X				
	Assist development of community policing training program	X	X		X	X	X	X	X
1.3.3 Technical visit to review Canadian experiences in policing	As part of hydroelectric visit to Canada (multi lateral including IBAMA) (Activity 3.4.1)		X		X				
2. Building sustainable livelihoods									
<i>2.1 Participatory assessment of community attributes, needs and development strategies</i>									
2.1.2 Technical training to evaluate and improve livelihood and community options	Environmental guardians/guides training program (youth program)	X							X

Subproject/theme Component Activity	Planned for Year 3	Location		2005					
		Brazil	Can	Quarter 1			Quarter 2		
				April	May	June	July	Aug	Sept
2.2 Building community capacity									
2.2.1 Canadian sociologist	Canadian sociologist to assist in project coordination in Brazil & network building	X		X		X	X	X	X
2.2.3 Community interchange within Brazil	Opportunistically, including participation in relevant workshops and conferences	X			X			X	
2.3 Building alternative livelihood options									
2.3.1 Aquaculture risks and development	Publication of World Aquaculture Conference 2003 session proceedings (CD and booklet)		X	X					
	Publication of review paper on status of Brazilian fish culture	X		X	X	X	X	X	X
	Technical support for development of aquaculture proposals (SEAP, MMA)	X	X		X	X	X	X	X
2.3.3 Value added development in Brazil	Development of proposals for value-added strategy	X		X	X	X	X	X	X
2.3.5 Participatory review of alternate activities	Assist municipal programs for alternative livelihoods	X	X	X	X	X	X	X	X
2.3.6 Alternate activity intro week	Artisanal Fairs and training (in partnership with municipalities)	X							X
2.3.7 Alternate activity implementation by Canadian and Brazilian sociologists	Training courses for value-added fish products (leather, fertilizer, smoked fish, filleting and deboning) & artisans (SEBRAE & SEAP partnerships, Aqua Doce project)	X						X	X
3. Securing the fisheries resource									
3.1 Improving fisheries management through DNA training									
3.1.2 Brazilian in Canada to train on use of DNA	Gabriel Yazbeck (UFMG) internship in DNA technologies		X	X	X				
3.3 Improving stock assessment capabilities									
3.3.2 Canadian assistance for implementing stock assessment options	Canadian intern for follow-up and technical support	X			X	X	X	X	X
3.3.4 Evaluation workshops	Technical workshop and proposal development for stock assessment and monitoring strategy (in partnership with SEAP) (pre-workshop meetings for discussion with colonies)	X		X					

Subproject/theme Component Activity	Planned for Year 3	Location		2005					
		Brazil	Can	Quarter 1			Quarter 2		
				April	May	June	July	Aug	Sept
3.4 Reducing industry impact									
3.4.1 Brazilian review mission to Canada on mitigation of dam impacts	Technical visit to Canada (CEMIG, IBAMA, UFMG) to discuss hydroelectric dam impacts and impact reduction strategies		X		X				
3.4.2 Workshop to review operational problems and build mitigative strategies	Follow-up meeting from technical visit	X					X		
3.4.4 Workshop on appropriate corporate policies for social and environmental responsibility	Multi stakeholder forums to reduce aquatic environmental impacts (Municipal partnership)	X				X			X
3.5 Improving the effectiveness of stocking									
3.5.1 Conference session on stocking	Publication of Joachim Carolsfeld's I SEGAP (in Rio de Janeiro) conference presentation in Brazilian Journal		X			X	X		
3.6 Improving water management practices									
3.6.1 Brazilian mission to Canada to review water management practices	Included in hydroelectric technical visit (activity 3.4.1)	X			X				
3.6.2 Workshop to review water management models	Participation in local basin committees	X			X			X	
3.6.3 Canadian in Brazil to help develop water management model	Assistance to local water rehabilitation project (see activity 3.7.5)						X	X	X
3.7 Improving habitat									
3.7.1 Conference session and technical review mission to Brazil on habitat restoration	Technical workshop and assistance for proposal development - restoration of marginal lagoons (with follow-up implementation workshop)	X		X					
3.7.5 Community based environmental improvements as part of community workshops	Support for Barreiro Grande restoration initiatives (with Agua Doce project)	X	X				X	X	X
3.7.7 Develop pollution assays	Develop & deliver training courses for community water sampling (with IDRC project, CEMIG, CODEVASF)	X					X		
	Workshop to develop community monitoring program	X							X
	Bi indicators workshop (develop course curriculum, guide) & program development	X	X						X
	Assist development of community-based water quality monitoring program (Canadian intern)	X	X						X

Subproject/theme	Component	Planned for Year 3	Location		2005						
			Brazil	Can	Quarter 1			Quarter 2			
					April	May	June	July	Aug	Sept	
3.4 Reducing industry impact											
3.4.1	Brazilian review mission to Canada on mitigation of dam impacts	Technical visit to Canada (CEMIG, IBAMA, UFMG) to discuss hydroelectric dam impacts and impact reduction strategies		X		X					
3.4.2	Workshop to review operational problems and build mitigative strategies	Follow-up meeting from technical visit	X					X			
3.4.4	Workshop on appropriate corporate policies for social and environmental responsibility	Multi stakeholder forums to reduce aquatic environmental impacts (Municipal partnership)	X				X				X
3.5 Improving the effectiveness of stocking											
3.5.1	Conference session on stocking	Publication of Joachim Carolsfeld's I SEGAP (in Rio de Janeiro) conference presentation in Brazilian Journal		X			X	X			
3.6 Improving water management practices											
3.6.1	Brazilian mission to Canada to review water management practices	Included in hydroelectric technical visit (activity 3.4.1)	X			X					
3.6.2	Workshop to review water management models	Participation in local basin committees	X			X			X		
3.6.3	Canadian in Brazil to help develop water management model	Assistance to local water rehabilitation project (see activity 3.7.5)						X	X	X	
3.7 Improving habitat											
3.7.1	Conference session and technical review mission to Brazil on habitat restoration	Technical workshop and assistance for proposal development - restoration of marginal lagoons (with follow-up implementation workshop)	X		X						
3.7.5	Community based environmental improvements as part of community workshops	Support for Barreiro Grande restoration initiatives (with Agua Doce project)	X	X				X	X	X	
3.7.7	Develop pollution assays	Develop & deliver training courses for community water sampling (with IDRC project, CEMIG, CODEVASF)	X					X			
		Workshop to develop community monitoring program	X								X
		Bi indicators workshop (develop course curriculum, guide) & program development	X	X							X
		Assist development of community-based water quality monitoring program (Canadian intern)	X	X							X

Subproject/theme Component Activity	Planned for Year 3	Location		2005						
		Brazil	Can	Quarter 1			Quarter 2			
				April	May	June	July	Aug	Sept	
Cross-cutting A. Assisting the development of policies for sustainable fisheries with community participation										
A.3 Participation in international conferences	Fisheries Economy Forum - UBC		X		X					
Cross-cutting B. Public awareness and education										
<i>B.1 Activities for a riverine community target</i>										
B.1.2 Create pilot educational tools and materials	Develop education materials to support ongoing curriculum development in Brazil (enhance transversality of environmental education in the curriculum)									
	Develop and install watershed model	X	X			X	X	X	X	X
<i>B.2 Activities for a broader Brazilian target</i>										
B.2.2 Develop pilot traveling displays/stands and folders	Folders and stands - Brazilian audience	X	X	X	X	X	X	X	X	X
B.2.4 Contribute to local press on fisheries issues	Assist with films on predatory fishing, water quality, garbage, etc.& contribution to public press as possible	X	X	X	X	X	X	X	X	X
B.2.5 Evaluate educational goals	Develop integrated environmental education strategy (follow-up to technical visit B.1.1)	X	X	X	X	X	X	X	X	
B.2.6 Improving fishermen esteem	Support for documenting and publicising local colony histories	X								X
	Contributions to Brazilian sport fishing journals and IBAMA fishing awareness folder	X				X	X	X		
<i>B.3 Activities for a Canadian/international target</i>										
B.3.1 Promote television and print coverage of the project in Canada	Contributions to Vancouver Aquarium website (Brian)		X	X					X	
Cross-cutting C. Creating opportunities for women, youth and family										
C.1 Workshop component on women's needs	Technical visit to Santo Andre to develop content for training workshops (Gender, Masculinity and CED strategies)	X		X						
	Gender and Masculinity exploratory workshops (including follow-ups for specific trainings in CED)	X				X	X	X	X	
C.3 Youth workshop identifying needs & strategies	Technical visit by Canadian experts in youth initiatives (Susan Kurbis); youth forums	X						X	X	

Subproject/theme Component Activity	Planned for Year 3	Location		2005						
		Brazil	Can	Quarter 1			Quarter 2			
				April	May	June	July	Aug	Sept	
D. Communication										
D.1 Project website	Website - upkeep, add Brazilian local contents page	X	X	X	X	X	X	X	X	X
D.2 Project newsletter	Newsletter - Build on early initiatives	X	X	X	X	X	X	X	X	X
D.4 Communication group	Establish communication strategy and team in Brazil	X				X	X	X	X	
E. Management										
E.1 Project organization meetings	Strategic planning meetings for project	X				X				
E.3 Ongoing project management	Co-ordinate project sustainability	X	X	X	X	X	X	X	X	X
	Canadian management assistance in Brazil (activity 2.2.1)	X		X		X	X	X	X	X