

DARWIN INITIATIVE FOR THE SURVIVAL OF SPECIES

SIX MONTHLY MONITORING FORM April 2001 to September 2001

Project Details

Project Reference No.

Project Title: *Fisheries management for
biodiversity conservation in the Brazilian
Amazon*

Institution: *Imperial College*

Round 1 (please tick)
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PROJECT IMPLEMENTATION TIMETABLE

- a) Outline progress over the last six months against the agreed baseline timetable for the project. If some milestones have not been achieved or have slipped, explain reasons for this.

Work during the reporting period has concentrated on the analysis of floodplain fisher's responses to co-management agreements and on the valuation of the fisheries sector including support and processing industries.

A preliminary analysis of the floodplain fisheries survey completed in the previous reporting period revealed problems with the identification of fishing grounds in survey forms. The analysis requires that fishing effort and catch data can be related to particular floodplain lakes under different management regimes, and this was not always possible due to inconsistent use of local names. A second field visit was undertaken to clarify this issue, and conduct a second round of fishing effort and catch sampling. The problems have now been resolved and additional data have been collected, but data analysis has been delayed slightly as a result.

The fisheries sector study has been completed and the corresponding paper is ready for submission. The objective of this study was to determine the economic importance of the fisheries support sector along the Amazon and Solimões river. This was done by estimating total income and employment in support and processing sectors (fish processing plants, fishing equipment stores, gas stations, restaurants, ice factories, and shipyards). Results shows that the fishing support sector generates an income of 120 million US\$, and 8000 jobs. The largest share of this (70% of income and 50% of jobs) is generated by the fish processing plants. The total income in (cash and in kind) generated by fishermen has been estimated at about 200 million US\$, giving a income (gross product) of the sector of about 320 million US\$. Hence the support and processing sector adds substantially to the economic value of the fisheries sector in the Amazon.

- b) What progress has the project made in achieving its objectives over the last six months? Is the project still expected to achieve all the original objectives which were specified? Explain any problems/difficulties which have been encountered to date in achieving the objectives of the project (or any which you envisage may be encountered in the future).

All field-based studies, including the survey of floodplain fishers conducted in addition to the originally agreed schedule have now been completed. The project has achieved all milestones except for the analysis of floodplain fisher's responses to local management agreements (additional work), and the development of the bio-economic model (requires completion of the above analysis). Both objectives will be achieved, but work is currently 3 months behind schedule. This is the result of an initial 3 month delay in recruiting the project research assistant, as well as the additional work carried out. We request an extension of the agreed project deadline by three months to 30 June 2002. There are no financial implications, and we are confident that all agreed outputs will be completed by this time.

- c) What lessons can be learnt from your experiences (both good and bad) over the last six months?

- d) If the project timetable has slipped or changed, provide an updated project implementation timetable for the remainder of the project.

The project is about three months behind schedule, a result of the initial delay in recruiting the project research assistant as well as the additional work taken on. We therefore request a three month extension of the project end date to 30 June 2002 (with a corresponding final report deadline of 31 September 2002). The revised work plan for the final phase is as follows:

- 1) A scoping workshop in November 2001 will bring together a selected group of stakeholders (government, fisher and community representatives as well as scientists) to review management issues and strategies, and to identify key questions stakeholders would like the bio-economic analysis to address. This will inform aspects of model development.
- 2) Analysis of the household survey will be completed in January 2002. This will place fishing in the context of other livelihood activities in the floodplain and establish responses of fishers to the introduction of co-management agreements.
- 3) The full bio-economic model will be formulated and analysed in February-April 2002. This model will integrate the results of all previous analyses with existing stock dynamics data to allow the assessment of management strategies at a regional level.
- 4) Evaluation of management strategies through modelling and a stakeholder workshop in May-June 2002.

- e) What is the estimated completion date for the project?

31 June 2002

- f) Is this different to the completion date set out in the original application form?

Yes X

No

(please tick)

MISCELLANEOUS INFORMATION

Please use this space to provide any further information on the progress of the project over the last six months, or on the Darwin Initiative as a whole. For example, are there any issues you wish to raise on management/monitoring/financial procedures or on any other matters?