## **Darwin Initiative: Half Year Report**

(due 31 October 2007)

Project Ref. No. 14 060

**Project Title** Sustainable Management of Ornamental Fish Species in Mamiraua, Brazil

Country(ies)

**UK Organisation** Zoological Society of London (ZSL)

Socidade Civil Mamiraua (SCM) Collaborator(s)

**Project Leader** Alison Debney née Shaw

Report date October 2008

Report No. (HYR HYR 4

1/2/3/4)

**Project website** 

1. Outline progress over the last 6 months (April – September) against the agreed baseline timetable for the project (if your project has started less than 6 months ago, please report on the period since start up).

Date	Key milestone	Progress
May 06	Determine protocol to establish extraction procedure (collection areas and no-take areas expected to relate to MSDR management plan). List of suitable species determined	100% complete. A list of suitable species for collection has been produced. This is a 'working list' that will need to be regularly appraised as biological and economic data are gathered and processed. Further biological surveys are being carried out to target specific families of fish that maybe unrepresented in the existing survey protocols such as Loricarrids. Fishing areas have been defined. This continues through 2008/9
August 06	Working biological monitoring protocol documentation prepared	100% complete. The Collection Area Management Plan has been completed and adopted; it includes the biological monitoring protocol.
Sept 06	Organisation of association, registration and membership ascertained (all sectors of community considered).	The Ornamental Fishing Association has been established and registered and is active. Several training workshops have been held building the capacity of the members in fish capture, handling and transportation. Training has also been given in keeping logbooks of all captures.
Aug 07	Develop a business plan (draft by Aug 06, amend and update following annual review, Aug 07, Aug08 January 09).	The structure of the Business Plan has been developed and a draft version of the report produced. The business plan will continue to develop as we form business relationships.
May 07	First biological monitoring survey at Mamirauá completed, input into database, information disseminated to community	Ecological surveys have continued, building a comprehensive picture of the ecosystem with the reserves. Extensive research into fish life history and taxonomy has been undertaken building the capacity of Brazilian ichthyologists. The findings of the surveys have been incorporated into the Collection Area Management Plan, establishing the baseline conditions and the monitoring protocols.
Jul 07	Draft CAMP prepared and peer- reviewed comments received	The CAMP has been completed as far as possible. It is is a living document that will be regularly updated
Apr 08	Annual and semi-annual project review team meeting and reporting. Review of business plan, CAMP, guidelines and all other outputs and issues. Address grant reporting requirements	A team meeting was held in Manaus in June 2008. This reviewed project progress. Time was also spent meeting exporters and developing the website.

May 08	Second monitoring survey completed, input into database, information disseminated to community.	Surveys have continued in the Reserves building the knowledge-base to be able to measure impact of the fish extraction.
May 08	Training of association in business management, accountancy, reporting	The training course has been scheduled and the preparation is underway.
May 08	Training of fishers associations in sustainable exploitation, resource management, use of CAMP, safety, monitoring, reporting, husbandry and transportation techniques	A workshop was held in September in Amana bringing together the fishing communities to build skills in health and safety during fishing; fish handling and transportation; fish welfare issues; managing environmental parameters to minimise stress to fish; sustainable exploitation; species identification and how to keep and complete log books. Follow up and refresher training will be required. This will need to be built into the business plan/fishing association so that the communities can contribute towards the costs.
May 08	Implementation of business plan (trialling processes if appropriate).	The fish are currently being collected in the reserves . We are negotiating with the exporters and have hopefully secured buyers in the UK.
May 08	Documentation, auditing and feedback processes for trade in place	A tracking system for the fish has been established. It will be trialled with the first shipment of fish.
May 08	Establishment of standardised husbandry and industry guidelines (draft by Jun 06, final disseminated and discussed with stakeholders by May 08)	Husbandry Guidelines have been produced by the Ornamental Fish Industry (OFI) and so the need has been met by the industry. Best Practice Guidance has been produced by the project and disseminated amongst the fishing communities, supported by training workshops. Research will be undertaken during the shipping trials to look at the international shipping process. Recommendations for improvements will be made.

2. Give details of any notable problems or unexpected developments that the project has encountered over the last 6 months. Explain what impact these could have on the project and whether the changes will affect the budget and timetable of project activities.

An extension was awarded to the project as confirmed in an email on the 31 March 2008 and in the letter from Darwin Finance dated 24 June 2008.

Have any of these issues been discussed with the Darwin Secretariat and if so, have changes been made to the original agreement?

Discussed with the DI Secretariat: no/yes, in...... (month/yr)

Changes to the project schedule/workplan: yes, in...March 08......(month/yr)

3. Are there any other issues you wish to raise relating to the project or to Darwin's management, monitoring, or financial procedures?

If you were asked to provide a response to this year's annual report review with your next half year report, please attach your response to this document.

Please note: Any <u>planned</u> modifications to your project schedule/workplan or budget should <u>not</u> be discussed in this report but raised with the Darwin Secretariat directly.

Please send your **completed form email** to Eilidh Young, Darwin Initiative M&E Programme at <u>Darwin-Projects@ectf-ed.org.uk</u>. The report should be between 1-2 pages maximum.