



EIDCF003

Submit by Friday 19 February 2010



DARWIN200

**DARWIN INITIATIVE APPLICATION FOR OVERSEAS TERRITORIES CHALLENGE FUND:
Round 17**

Please read the Guidance Notes before completing this form.

1. Name, postal address and contact details of applicant organisation and main individual: (notification of results will be by email to this individual)	
Professor Terence P. Dawson School of Geography, University of Southampton, Highfield, Southampton SO17 1BJ, UK.	
E-mail address:	Phone:
2. Working title/name of the proposed resulting Darwin project (not exceeding 10 words):	
Developing a community-led marine management action plan for the Pitcairn Islands	
3. Proposed UKOT(s) involved (in Challenge Fund award):	Other collaborating country/ies (including metropolitan UK if appropriate) to be involved in the proposed resultant project:
The Pitcairn Islands	UK, Ecuador

4. Principals in Challenge Fund work

(a) Please give the details of the main individuals (max 2) from the applicant organisation who will be directly involved in the Challenge Fund award. CVs must be enclosed (max 2 pages each).

Details	Main individual	2nd individual
Surname	Dawson	Henderson
Forename(s)	Terence Peter	Scott
Post held	Professor and Head, Global Environmental Change and Earth Observation Laboratory.	Director, Conservation International; University of Southampton Research Associate.
Department	School of Geography	Marine Conservation Division, Eastern Tropical Pacific Region
Telephone		
Email		

(b) Prospective collaborating partners relevant to the Challenge Fund award. Please provide details below, plus letters of support.

Details	Main project partner	Other partners	Other partners
Organisation	Pitcairn Island Council	Government of Pitcairn	JNCC
Function/ Purpose of Organisation	Local Community Governance	Administration of the Pitcairn Islands	Statutory adviser to HMG on UK and UKOTs nature conservation
Name of Main Contact	Dave Brown	Michele Christian	Dr Andrew Stott
Post Held	Councillor and President of the Pitcairn Fishing and Diving Club	Manager, Natural Resources Division	Science Director

5. Concept note for the Challenge Fund award (max 500 words). This question concentrates on what the current application is for and should demonstrate the objectives of the award including

- **what work will be carried out under the award;**
- **the location and duration of this work;**
- **what you expect to achieve from receiving the Challenge Fund award;**
- **details of how you will monitor and evaluate the work (reporting requirements for this fund are in the process of being finalised).**

This project is a scaled-back revision of an earlier Darwin Initiative main project application to establish a science-to-action decision making process for the Pitcairn (and UK) Government, Pitcairn Island Council and local stakeholders through a series of complementary actions, towards a future management plan for the fisheries and marine and coastal biodiversity of the Pitcairn Islands. It is recognised that, whilst full support from the Pitcairn Island Council and Pitcairn Government (Natural Resources Division) has been given (letters and emails of support are attached), the FCO advises that there needs to be more substantial interaction to improve clarification and development of the activities that can be realistically undertaken by the local community in support of the long-term sustainability of a larger project. Pitcairn, along with many other small island developing states, share key challenges that present a special case within the world community, including isolation, lack economies of scale, have high transportation and communication costs, and have limited means and capacity to implement comprehensive sustainable development goals. Existing models of marine management initiatives, stemming from a top-down approach, often do not work because they fail to compel local communities to act together, or to impart any local ownership or governance to the scheme. With this in mind, we are proposing a shorter (one year) pilot study of the marine ecosystems of the inhabited Pitcairn Island comprising both desk-based research and a fieldwork (diving surveys) component, together with a series of stakeholder workshops on Pitcairn to establish a community-led marine management action plan. An important outcome of this initial project is to set up a volunteer monitoring scheme, supported by the local community. Monitoring and training workshops will be undertaken to maximise opportunities for everyone in the community - to engender a broader sense of community ownership of, and involvement with, their marine biodiversity and the environment. It is recognised that the level of scientific knowledge and understanding about marine life and ecosystem functioning on Pitcairn is not high, hence stakeholder workshop and fieldwork activities will focus upon the development of simple indicators and monitoring methods that could be adopted by the local community, such as identification of keystone species in the trophic chain (such as sharks, groupers and macro-invertebrates) and habitat classification, as marine communities are largely predicted by physical features of habitat such as substrate (sand, coral reef, etc.) and water depth. A computer-based system will be installed on the island to record monitoring outcomes. The project leader will engage with all stakeholders to consolidate earlier survey data, fisheries and environmental reports and local community knowledge to producing a definitive report publication (main project output) and internet-based mapping products that identifies existing knowledge gaps and incorporates local community needs (with realistic expectations), as well as generate a road-map for a full project implementation in preparation for a 2011 submission (Round 19). Ongoing database development, scientific analyses, writing of reports and manuscripts will be conducted throughout the project lifetime.

6. Concept note for resultant project (max 500 words). This question concentrates on the full Darwin application you intend to submit after the Challenge Fund award and should demonstrate:

- **Expected purpose and outputs of the resultant Darwin project**
- **How the resultant Darwin project would meet a need (and how this need was defined) in the UKOTs and help the territory/ies in its implementation of any or all of the following Conventions: the Convention on Biological Diversity (CBD)/Convention on Migratory Species (CMS)/Convention on International Trade in Endangered Species (CITES).**
- **Brief evidence of the proposed partners' intentions to collaborate in the Challenge Fund award and an outline of their expected role in the resultant Darwin project: include brief details of contact to date and planned ongoing collaboration. This would normally be supported by a letter or email of support, which may present the majority of this evidence.**
- **The expected role of the OTs and UK individuals in the resultant Darwin project**

The proposed timing of this project would correspond very well with the Project Leader's scheduled leave of absence (sabbatical) from Southampton University during the period from September 2010 to February 2011, to enable him to spend a substantial period of time (up to 3 months) on Pitcairn Island and with the Pitcairn Government in Auckland in support of the initial project outcomes, and to develop a consensus for activities to be undertaken in the full Darwin application (which may expand upon the

original remit to include inter-tidal and littoral zone management, small-scale aquaculture techniques for food provisioning and conservation, as well as the potential for the installation and assessment of novel harvesting techniques, such as the use of Fish Aggregating Devices (FADs). The full project will assist Pitcairn and the UK Government in meeting their commitments under the Pitcairn Environment Charter, specifically Charter Objectives No. 2: "To document existing local resource use and ensure its sustainable use and explore other opportunities to utilise local resources in a sustainable manner", and No. 7: "Review baseline data on species and habitats; Highlight areas where there are data deficiencies; Establish a protected areas policy". Although the CBD does not yet extend to the Pitcairn Islands group, the Pitcairn Islands Environment Management Plan (PEMP) 2009 is recommending this. The project directly assists the Pitcairn Island Government in complying with the following

- CBD Articles 7b, 7c, 7d, 8e, 10d, 10e, 12a, 13a: Baseline research and monitoring; enhancing knowledge for adaptive management measures, and engendering sustainable practices through stakeholder education and involvement.
- CMS Articles II (3a): Co-operate in and support research relating to migratory species; and V (5b, 5c, 5d, 5e, 5f, 5k): Coordinated conservation and management plans of migratory species, exchange of information relating to research, conservation of habitats of importance, maintenance of a network of migration routes, coordinated action to suppress illegal taking, and raising public awareness. The Governor of Pitcairn Islands was the latest Signatory (July 2009) to the CMS MoU for the Conservation of Cetaceans and their Habitats in the Pacific Islands Region.
- All of the Pitcairn Islands are proposed for designation under the Ramsar convention.

A review commissioned by the WWF highlighted that the main area of CBD legislation which the Pitcairn group were found not to comply with were in connection with ongoing monitoring of biodiversity (Cross & Pienkowski, 1998, *Overlooking Britain's greatest biodiversity*). A UKOTCF review (commissioned by DEFRA, 2005) identified the coastal waters of the Pitcairn island group as potential Ramsar Convention sites of International Importance, but data remains inadequate to determine designations.

Collaboration will also be undertaken with partners and other UKOTs to improve knowledge transfer and to help coordinate a centralised repository for comparisons. The collective enthusiasm and strong sense of commitment from all partners and wider stakeholders, coupled with an excellent window of opportunity with respect to timing, makes this a compelling Darwin Challenge Fund application in a region with unique challenges in biodiversity conservation.

7. Justification of need for a Challenge Fund award. Please provide details of why alternative funding is not available from within your own organisation or from other sources. Will matched funding be provided? (max 250 words)

We argue that an assessment of the marine biodiversity surrounding the Pitcairn Islands, and the development of a community-led marine resource use and conservation management strategy is the ONLY possible long-term sustainable development pathway for the island community. The health of the marine environment is vital to the Pitcairn Island community in terms of both food provision and potential economic activity (fisheries and tourism). The project fills a crucial knowledge and management void identified in the PEMB, and is strongly supported by the Pitcairn Island community. The scientific evidence for fisheries management is currently insufficient for appropriate management and policy decision-making. Faced with these challenges and mindful of socio-political pressures and limited resources challenges, the Pitcairn Government and Island Council require both support and training as well as robust, consolidated and updated information upon which they can take ownership of, and make decisions on their marine resources.

Matching funds will be provided through salary support for Dawson (£18,667, University of Southampton) and Henderson (£12,000 from Conservation International to support salary and travel costs) and technical support from JNCC (£9072). Other partners include the UK Overseas Territories Conservation Forum (UKOTCF) who will facilitate dissemination of technical, scientific and policy-related outcomes of the project to a broader stakeholder audience through newsletters, press releases and e-bulletins. We anticipate a number of follow-on opportunities and funding mechanisms, through Conservation International, who have committed to a long-term investment in the Central and Eastern tropical Pacific region as well as through the Overseas Territories Environment Programme.

8. Costs. Provide a detailed breakdown of costs to be funded by the Darwin Initiative.

Budget Line	Year 1	Year 2
Please complete those appropriate to your application – they may not all be relevant	Apr 2010 – Mar 2011	Apr 2011 – Mar 2012
Travel costs (Dawson & Henderson, 3 rd researcher) (airfares, sea travel, visas, travel documents)		£
Subsistence costs - Dawson (3 months), Henderson (10 days) (specify by individual and number of days)		£
Overhead costs (including office costs)		£
Operating costs (also longboat hire and crew) (including conference/workshop/fieldwork costs)		£
Capital costs- 30hp longshaft motor, surveying, fishing and diving equipment, computer system and database		£
Other - Audit costs		£
Salaries: Terence Dawson – salary contribution towards university administrative and project management support		£
TOTAL REQUESTED FROM DARWIN INITIATIVE		£

9. Provide anticipated dates of award activity (including start and finish dates) and any milestones where relevant.

Date	Key Milestone
Sep 2010	START
Sep 2010	Meetings with UK stakeholders: FCO, JNCC, UKOTCF
Oct - Nov 2010	Meeting with the Pitcairn Government, travel to Pitcairn Island *.
Nov 2010 Nov 2010 – Jan 2011	On Pitcairn – initial stakeholder meetings: Council and community On Pitcairn – fieldwork and surveys, training and stakeholder workshops
Feb – Aug 2011	Report writing and publications, report back to UK stakeholders, develop full Darwin proposal (* Note the timing of the visit to Pitcairn will need to be adjusted around the scheduled quarterly shipping service)
August 2011	FINISH

10. In what year would you expect to submit the full Darwin project application?

Round 18/Round 19
Delete as applicable

I certify that, to the best of our knowledge and belief, the statements made in this application are true and the information provided is correct.

Name (block capitals): Terence Peter Dawson

Position in organisation: Professor and Head, Global Environmental Change and Earth Observation Laboratory, School of Geography, University of Southampton.

Signed:



Dated: 12th March 2010

Challenge Fund Application - Checklist for submission

	Check
Have you provided anticipated start and end dates for your award?	✓
Are your concept notes within 500 words each?	✓
Has your application been signed	✓
Have you read the Guidance Notes and are you satisfied that your concept would be eligible for a main project application?	✓
Have you included CVs and letters of support as required?	✓

Once you have answered Yes to the questions above, please submit the application in Word format, not later than 2359h GMT on Friday 19 February 2010 to Darwin-Applications@ltsi.co.uk using the title of the project (or first few words) as the subject of your email.

Metropolitan UK applicants should send a hard copy of a wet signature page to the Darwin Applications Unit, c/o LTS International, Pentlands Science Park, Bush Loan, Penicuik EH26 0PL.

Applicants from the UKOTs should fax a copy of the signature page to the Darwin Applications Unit on 0131 440 5501 or email a scanned original signature to Darwin-applications@ltsi.co.uk.

DATA PROTECTION ACT 1998: Applicants must agree to any disclosure or exchange of information supplied on the application form (including the content of a declaration or undertaking) which the Department considers necessary for the administration, evaluation, monitoring and publicising of the Darwin Initiative. Application form data will also be held by contractors dealing with Darwin Initiative monitoring and evaluation. It is the responsibility of applicants to ensure that personal data can be supplied to the Department for the uses described in this paragraph. A completed application form will be taken as an agreement by the applicant and the grant/award recipient also to the following:- putting certain details (ie name, contact details and location of project work) on the Darwin Initiative and Defra websites (details relating to financial awards will not be put on the websites if requested in writing by the grant/award recipient); using personal data for the Darwin Initiative postal circulation list; and sending data to Foreign and Commonwealth Office posts outside the United Kingdom, including posts outside the European Economic Area. Confidential information relating to the project or its results and any personal data may be released on request, including under the Environmental Information Regulations, the code of Practice on Access to Government Information and the Freedom of Information Act 2000