



18-001



DARWIN200

Submit by Monday 30 November 2009

DARWIN INITIATIVE APPLICATION FOR GRANT FOR ROUND 17: STAGE 2

Please read the Guidance Notes before completing this form. Where no word limits are given, the size of the box is a guide to the amount of information required. Information to be extracted to the database is highlighted blue.

1. Name and address of organisation (NB: Notification of results will be by post)

Name: Dr. Brendan Godley	Address: Centre for Ecology and Conservation University of Exeter, Cornwall Campus Penryn TR10 9EZ
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2. Project title (not exceeding 10 words)

Darwin Sustainable Artisanal Fisheries Initiative (Peru)
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3. Project dates, duration and total Darwin Initiative Grant requested

Proposed start date:	Oct 2010	Duration of project: 3 years			End date: Sep 2013
Darwin funding requested	2010/11	2011/12	2012/2013	2013/14	Total £299,966

4. Define the purpose of the project (extracted from logframe)

Improved national and local capabilities applied to the sustainable and equitable management of marine biodiversity of Peru

5. Principals in project. Please provide a one page CV for each of these named individuals. You may copy and paste this table if you need to provide details of more than one overseas project partner.

Details	Project Leader	Other UK personnel (working more than 50% of their time on project)	Main project partner and co-ordinator in host country/ies
Surname	Godley	Witt	Alfaro-Shigueto
Forename (s)	Brendan	Matthew	Joanna
Post held	Senior Lecturer	Research Fellow	President and Chief Scientist
Institution (if different to above)	University of Exeter	University of Exeter	Pro Delphinus
Department	Centre for Ecology And Conservation	Centre for Ecology And Conservation	-
Telephone			
Email			

6. Has your organisation received funding under the Darwin Initiative before? If so, give details.

Reference No	Project Leader	Title
17/005	Dr Brendan Godley, & Dr Annette Broderick	Darwin Marine Biodiversity Action Plan for Gabon
162/12/023	Dr Brendan Godley & Dr Annette Broderick	Darwin Initiative Coastal Assessment of the Biodiversity of Anegada, BVI
14/051	Dr Brendan Godley & Dr Annette Broderick	In Ivan's Wake: Darwin Initiative BAP for the Cayman Islands

7. IF YOU ANSWERED 'NO' TO QUESTION 6 describe briefly the aims, activities and achievements of your organisation. (Large institutions please note that this should describe your unit or department)

Aims (50 words)
Activities (50 words)
Achievements (50 words)

8. Please list all the institutions involved including the UK/collaborative (where there are partners in addition to the applicant organisation) and host country partners that will be involved, and explain their roles and responsibilities in the project. Describe the extent of their involvement at all stages, including project development. This section should illustrate the capacity of host country partners to be involved in the project. Please provide written evidence of partnerships. Please copy/delete boxes for more or fewer partnerships.

Lead UK institution and website where available: University of Exeter, UK (UoE) www.exeter.ac.uk	Details (including roles and responsibilities and capacity to engage with the project): The UoE team working on this project include: Dr Brendan Godley, Dr Annette Broderick, and Dr Matthew Witt (CVs appended Appendix 1). As the lead UK partner, the team will oversee and manage the project and lead on training, additional fieldwork and awareness raising activities. Dr Witt will have a full-time role in the final 18 months of the project.
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Lead host country Partner and website where available: Pro Delphinus (PD) www.prodelphinus.org	Details (including roles and responsibilities and capacity to engage with the project): The PD team working on this project include: Joanna Alfaro-Shigueto and Jeffrey Mangel , (CVs appended Appendix 1). Mrs. Alfaro-Shigueto will be the FT Darwin Research Fellow . As the lead Peru partner, the PD team will facilitate contacts with government agencies and other partners and lead coordination and implementation of all project activities in Peru, including research, training and outreach. See attached Letter A; Appendix 2 .
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<p>Partner Name and website where available:</p> <p>Instituto del Mar del Peru (IMARPE) www.imarpe.gob.pe</p>	<p>Details (including roles and responsibilities and capacity to engage with the project):</p> <p>IMARPE is the marine research agency of the Peruvian government. Their role in the project will be in providing staff for and implementing an onboard observer program of artisanal fisheries in index ports along the Peru coast. They will work with PD to train and deploy observers, manage observer program logistics, and participate in data analysis. An IMARPE employee researcher will receive MSc level training, and a Darwin-IMARPE Fellow will liaison between partner agencies. As the research arm of fisheries ministry they also report to the ministry and MINAM (the decision making bodies with regard to fisheries and marine species conservation). See attached Letter B; Appendix 2.</p>
<p>Federacion de Integración y Unificación de Pescadores Artesanales del Peru (FIUPAP) www.fiupap.net</p>	<p>FIUPAP is the leading national level non-governmental organization representing the interests of artisanal fishermen in Peru. They will assist in coordination and logistics of fishermen workshops and training at ports and landing sites along the coast. FIUPAP will also assist with coordination of site visits. FIUPAP will also assist in preparing the network of local associations in 100+ ports and landing sites to assist with completion of Fishery surveys. See attached Letter C; Appendix 2.</p>
<p>Ministerio del Ambiente (MINAM) www.minam.gob.pe</p>	<p>MINAM is the CBD focal point in Peru. We have had extended meetings with key officials and they welcome the project as the findings will clearly help inform decision making to meet international obligations with regard to marine conservation.</p>

9a. Have you consulted stakeholders not already mentioned above? Yes No
If yes, please give details:

Yes, in addition to those detailed above we have consulted and have been offered the involvement of the following:

Peru:

Non-Governmental
Peruvian Centre for Cetacean Research (CEPEC): assist with development of marine mammal bycatch monitoring and acoustic monitoring methodology/site selection. See attached **Letter D; Appendix 2.**

Nature and Culture: Will assist with project coordination and logistics in northern Peru. See attached **Letter E; Appendix 2.**

Other Overseas Partners:
USA
American Bird Conservancy: Provide matching funds and advice regarding seabird bycatch issues.
NOAA-Southwest Fisheries Science Center: Have confirmed assistance with equipment and running costs for sea turtle transmitter work. See attached **Letter F; Appendix 2.**

9b. Do you intend to consult other stakeholders? Yes No
If yes, please give details:

Yes, an important part of the project will be working with the Peruvian Navy, local fishing cooperatives and members of the fishing community, the environment ministries of the coastal states as well as key opinion formers such as members of the media and civic leaders.

9c. Have you had any (other) contact with the government not already stated? Yes No
If yes, please give details:

9d. Is any liaison proposed with the CBD/CMS/CITES focal point in the host country? Yes No
If yes, please give details:

Yes, Ministerio del Ambiente (MINAM) is the focal point.

9e. Will your project support any work in the UK Overseas Territories? Yes No
If yes, please give brief details stating which Territory/ies will be involved.

PROJECT DETAILS

10. Please provide a Concept note (Max 1,000 words) (repeat from Stage 1, with changes highlighted)

The problem: Peru has significant natural resources with potential for poverty alleviation (sustainable fishing and ecotourism). Although substantial efforts have focussed on terrestrial conservation, the country's marine biodiversity is largely neglected, despite massive industrial fishing, oil exploration and a doubling of fishing pressure in the last decade.

Key biodiversity includes:

1. **Major fishing resources:** currently exploited through industrial purse-seiners and artisanal fleets. There is marked under-capacity for spatial management and assessment/mitigation of bycatch which preliminary assessments suggest is globally significant.
2. **Globally important, yet understudied, marine mammal populations:** Multiple species subject to intense bycatch and harpooning for bait by gillnet and longline fisheries.
3. **Globally important, yet understudied, seabird populations:** Sole foraging ground for endemic, critically endangered waved albatross. Globally important foraging ground for other endangered species.
4. **Globally important marine turtle populations:** Foraging area and/or migratory route for five endangered species of sea turtles all subject to direct hunting and incidental capture.
5. **Globally important, yet understudied, shark populations:** Multiple shark species taken by artisanal fisheries in large numbers as both target and incidental catch.

Priority: There are clear needs for: a national **Sustainable Artisanal Fisheries Initiative (SAFI)** integrating all available information on the spatial distribution of biodiversity and threats; increased local capacity to carry out research to further inform the development/implementation of the SAFI; increased awareness among key stakeholders and the general public as to the importance of Peruvian marine biodiversity.

The project will work from the bottom up (fishermen and communities) and top down (government agencies, NGOs) to inform key decision-makers of project findings. Key agency decision-makers IMARPE and MINAM will be able to use project results to fulfill international obligations and identify and implement future research and management priorities; fishermen can use results immediately to reduce bycatch and promote fishery sustainability. (In response to referee comments).

MEA Obligations: The project is designed with the **Ecosystem Approach** at its heart, helping Peru meet obligations under all three major biodiversity conventions:

CBD: (Articles 5-8,12-14).

CITES: A major focus is **Appendix I** species.

CMS: Obligations under **Agreement on the Conservation of Albatrosses and Petrels**

As well as obligations under the **Inter-American Convention for the Protection and Conservation of Sea Turtles**.

Strategy and outcomes:

The main thrust of the project is to generate a sound, implementable **Darwin Sustainable Artisanal Fisheries Initiative** for Peru. Integral, will be elements of all Darwin priority work areas:

Research:

a. Artisanal fisheries assessment. A comprehensive, simultaneous assessment of the current characteristics and bycatch of threatened taxa of artisanal ports along the 3000km coastline will be completed that combines an update of Peru government fishery surveys with bycatch surveys prepared during the project.

b. Quantification of artisanal fisheries bycatch through a Darwin bycatch observer programme and community participatory research in artisanal fisheries, especially in ports identified in surveys as high priorities due to high bycatch/fishing effort.

c. Identification and introduction of bycatch mitigation measures based upon findings of the surveys and observer programme and appropriate for individual taxa.

d. Spatial ecology of marine vertebrates including a number of project lines:

Marine mammal acoustic monitoring completing gaps/hotspots highlighted by a-c (above).

Satellite tracking of marine turtles to identify important areas used by sea turtles and overlaps with fisheries. It also yields significant public awareness dividends.

Capacity building and training focussing on key areas highlighted by pre-bid consultation between local partners. This will include multiple marine conservation workshops at fishing ports along the coast. We will also include participants from the Peruvian Navy (responsible for enforcement); promoting the co-management of shared resources. One Peruvian partner will be trained to MSc level, a Darwin-IMARPE Fellow will benefit from full-time involvement, and fisheries bycatch observers will be trained and members of the fishing community will be supported and involved in participatory research.

Environmental awareness will focus on key stakeholders (government decision makers, local enforcement and monitoring officials, artisanal fishermen) and the general public. A similar strategy has proven extremely successful in previous UoE Darwin projects: Darwin project website linked with live tracking of sea turtles; Darwin newsletters, press releases and media; public meetings, lectures at local universities, school visits and Darwin seminars; Darwin conference.

Resources and Roles: We request funds to: appoint a Peruvian National as Darwin Research Fellow (Joanna Alfaro of ProDelphinus), Jeff Mangel (ProDelphinus) at 50% and support a Darwin-IMARPE Fellow for 2 year MSc study. In addition, we seek 18months support for a spatial analyst towards the end of the project to set up a relational GIS database for marine biodiversity and contribute to research outputs; travel and subsistence; training/conferences; equipment; boat time. All project partners will be involved in planning, steering and carrying out the work.

Wider Justification: This highly **collaborative** project combines **UK expertise highly suited** in areas most needed by the extensive network of **Peruvian partners (Government Departments and NGO's)** assembled. Indeed, the project was developed collaboratively at the request of local partners to meet a **real biodiversity need:** building the knowledge base and infrastructure to promote **sustainable use** and **poverty alleviation**. The UK team has a track record of **quality and excellence** in delivery of overseas conservation projects for **Darwin (Ascension Island, British Virgin Islands, Cayman Islands, Gabon)** as well as a range of other funding bodies including **FCO, DfID and NERC**. The **impact** of the project will be achieved on several fronts: **research** to fill key knowledge gaps, enhancement of **capacity** for local biodiversity management, increased **awareness** among key stakeholders and wider public, **and improved population status of marine fauna**. The **quality** of this project emerges from its highly integrative approach, combining past research and that carried out within this project into spatially explicit management. A significant Darwin **legacy** is ensured as the SAFI will mark the way forward for marine conservation in Peru and progress towards sustainability will be promoted through a sound **exit strategy** of increased capacity, awareness and support for marine conservation that is likely to result in additional **leverage** of funds. The project has already secured significant matched funds thus demonstrating tremendous **value for money** (>50% match).

11a. Is this a new initiative or a development of existing work (funded through any source)?**Please give details:**

This work has resulted from an ongoing collaboration by University of Exeter and Peru based partners in monitoring marine fauna bycatch at select ports and with select species. Based upon this work it has become clear that there are major issues that need to be addressed in looking at spatial patterns of biodiversity, fisheries and planning for its sustainable management, thus the inception of the project bid. This track record of course, bodes well for the project to start with momentum. See **letters A-F in Appendix 2.**

11b. Are you aware of any other individuals/organisations/Darwin Initiative projects carrying out similar work? **Yes** **No**

If yes, please give details explaining similarities and differences, and explaining how your work will be additional to this work and what attempts have been/will be made to co-operate with and learn lessons from such work for mutual benefits:

While there are no other similar DI projects in the region there are several other non-governmental organizations that also address issues related to artisanal fisheries bycatch. Similar to previous work by project partner Pro Delphinus (PD), these efforts have included, in varying degrees, monitoring bycatch of marine fauna, mainly sea turtles, at select ports as well as awareness raising activities. More recently, a collaborative sea turtle bycatch mitigation experiment was conducted in which PD participated. Similarly, PD was a leader in Peru in identifying risks to seabirds from artisanal fisheries and now works with the government, donors and other local NGOs to coordinate additional monitoring and awareness raising activities.

Where the current proposal differs from these projects is in its attempt to develop a coordinated, national scale initiative capable of taking a more holistic view and working with the government and fishing communities to more accurately identify and respond to issues. Thus the project will build upon previous advances made by PD and the other active organizations and will seek to coordinate efforts with them in order to avoid any duplication of effort, thus maximizing the limited conservation resources available.

12. Please indicate which of the following biodiversity conventions your project will contribute to: -

At least one must be selected.

- Only indicate the conventions that your project is directly contributing to.

- No additional significance will be ascribed for projects that report contributions to more than one convention

Convention on Biological Diversity (CBD) **Yes** **No**CITES **Yes** **No**Convention on Migratory Species (CMS) **Yes** **No****What problem is this project addressing and how was it identified? (150 words)**

Peru has significant natural resources with potential for poverty alleviation (ecotourism and sustainable fishing). Although substantial efforts have been focussed on terrestrial conservation, the country's marine biodiversity is largely neglected, despite massive industrial fisheries and a doubling of artisanal fisheries in the past 10 years.

Previous research, primarily by project partner Pro Delphinus, has helped identify the specific issue of marine fauna bycatch in Peru's artisanal fisheries. However, our understanding of the scope of this issue and potential solutions remains patchy and uncoordinated. The result has been a limited understanding of the issues and possible solutions which has made it difficult for decision makers to effectively respond. This proposed project will address this in a coordinated manner at a country-wide level and involving the main stakeholders (including government, fishing industry).

What will change as a result of this project? (150 words)

The project will develop and put into action a **Sustainable Artisanal Fisheries Initiative** integrating all available information on the spatial distribution of biodiversity, threats, and mitigation measures. As a result of this initiative a much better understanding of artisanal fisheries and the threats to marine fauna will have been developed and mitigation of those threats will have been initiated leading to improved survival and population status of threatened and endangered marine fauna. To do this effectively there is a need for increased local capacity to carry out research to further inform the development/implementation of the **SAFI** and a need to increase awareness among key stakeholders and the general public as to the importance of marine biodiversity. We intend to have changed both of these latter factors significantly on the way to implementing the SAFI.

Why is the project important for the conservation of biodiversity? (150 words)

Only through a sound, implementable sustainable artisanal fisheries initiative will the marine biodiversity of Peru be sustainably managed. Peru has **major fishing resources** exploited through extremely large industrial purse-seiners and artisanal fleets. There is marked under-capacity for spatial management and bycatch assessment/mitigation which preliminary assessments suggest has potential to be globally significant through interactions with:

1. **Globally important, yet understudied, marine mammal populations:** Multiple species subject to intense bycatch and harpooning for bait by gillnet and longline fisheries.
2. **Globally important, yet understudied, seabird populations:** Sole foraging ground for endemic, critically endangered waved albatross and important foraging ground for other endangered species.
3. **Globally important marine turtle populations:** Foraging area and/or migratory route for five endangered species of sea turtles all subject to direct hunting and incidental capture.
4. **Globally important, yet understudied, shark populations:** Multiple shark species taken by artisanal fisheries in large numbers as both target and incidental catch.

How does this relate to one or more of the biodiversity conventions? (150 words)

MEA Obligations: The project is designed with the **Ecosystem Approach** at its heart, helping Peru meet obligations under all three major biodiversity conventions:

CBD: (Articles 5-8,12-14).

CITES: A major focus is **Appendix I** species.

CMS: Obligations under **Agreement on the Conservation of Albatrosses and Petrels**
As well as **IAC:** Obligations under the **Inter-American Convention for the Protection and Conservation of Sea Turtles.**

13. How will the results of the project be disseminated; how will the project be advertised as a Darwin project and in what ways will the Darwin name and logo be used? (max 200 words)

The staff employed through this project will use the Darwin name in their titles i.e. **Darwin Fellow**. Publicity for this project will be sought locally as part of a public awareness programme and through the activities of the project:

- Four press releases will be made and we will solicit television and radio interviews
- A **Darwin** Conference will be organised at the end of the project
- The project will be promoted at one regional and one international conference
- A **Darwin** website will be established and include outputs accessible to the public and schools
- Four scientific papers will be produced fully acknowledging **Darwin Initiative**

All materials produced and workshops held will have the **Darwin** logo and acknowledge **Darwin Initiative** funding.

14. What will be the long term benefits of the project in the host country or region and have you identified any potential problems to achieving these benefits? (max 200 words)

The long term benefits to the host country and region will be a sound artisanal fisheries management initiative that has been produced with significant input and buy-in from local and national stakeholders to be implementable. This will yield long term dividends for biodiversity by **promoting the recovery of populations of threatened and endangered marine fauna** through bycatch reduction. It will also contribute significantly to poverty alleviation by promoting the **sustainability of artisanal fisheries as a livelihood**.

The only problems we have identified that could lead to problems achieving these benefits are the highly fractured nature of artisanal fisheries and the difficulties surrounding the identification and implementation of effective mitigation measures to reduce bycatch. These risks we believe are manageable given the track record of collaborative projects between the Peruvian partners that have preceded this proposal as well as the multi-sectoral nature of this proposed project. Both aspects which speak positively to the implementability of this initiative. The problem of implementing effective mitigation measures should also be manageable and can build upon a wide range of research and experimentation globally. More important to the success of the project will be the buy-in of stakeholders, which we feel has been demonstrated.

15. State whether or not the project will reach a stable and sustainable end point. If the project is not discrete, but is part of a progressive approach, give details of the exit strategy and show how relevant activities will be continued to secure the benefits from the project. Where individuals receive advanced training, for example, what will happen should that individual leave? (Max 200 words)

There is a clear role for the project as it will act as a catalyst for the integration of past data, targeted gathering of additional data collection, and the formulation of a spatially explicit sustainable artisanal fisheries initiative that will act as a roadmap for further action in the seas of Peru, and indeed regionally. There is a stable endpoint in that capacity and awareness will have been raised to an all-time high with the launch of the initiative. Sustainability will depend on the ongoing commitment of the organisations that currently make up the consortium. This is likely given the accelerating efforts made by all partner organisations to date. There will be considerable legacy aspects to this project including developed expertise in fisheries monitoring, an operating observer program, established fisheries and bycatch datasets, and a catalogue of project tested, implementable mitigation measures.

Three Peru nationals will receive advanced training (1 MSc, 1 Fellow, 1 IMARPE Fellow), however, in addition, multiple individuals in IMARPE will receive observer training and the vast majority of project staff will be Peruvian ensuring that these individuals and their institutions will have the expertise necessary to maintain the initiative begun by the project.

16. If your project includes training and development, please indicate how you will assess the training needs in relation to the overall purpose of the project. Who are the target groups? How will the training be delivered? What skills and knowledge do you expect the beneficiaries to obtain. How will you measure training effectiveness. (max 300 words)

You should address each of these points.

A number of training needs were highlighted *a priori* by project partners and will be addressed as detailed in **A-C** below. In addition, as part of **Darwin (Visioning) workshop 1** involving all project partners, stock will be taken of the current state of knowledge and emerging priorities for additional training and research.

A. Fisheries observers – Project partners, particularly IMARPE, have identified the need for such a programme and this will be one of the key deliverables of the project. The core of initial training will be formed by **Darwin workshop 2**. The target group will be trainee observers. Following the initial workshop, sequential meetings and mentorship will occur, appraising data quality and processes until a refined process and a team of fully trained individuals result.

B. Spatial ecology of marine vertebrate/GIS analysis – A clear need highlighted by NGO partners is the capacity to conduct spatially explicit monitoring of marine vertebrates (particularly sea turtles, small cetaceans). This will be the focus of the **MSc training** and **Darwin workshop 3** which will involve the NGO staff who will execute the monitoring project and who will be trained in the relevant technologies and data monitoring and analysis. This will be followed up with support by UK based staff who have led the way with the analysis of such data-sets in the UK.

C. Bycatch mitigation – Another need highlighted by NGO partners was in current marine fauna bycatch mitigation technologies and implementation training. These topics will be addressed in **Darwin Workshop 4 and Darwin Conservation Workshops** which will target onboard observers, participating fishermen, and partner NGOs and will provide them with skills with the technologies and how to implement them effectively. The **Darwin Research Fellow** will monitor training effectiveness and implementation of this project component through observer feedback and reports.

LOGICAL FRAMEWORK

17. Please enter the details of your project onto the matrix using the note at Annex 3 of the Guidance Note. This should not have substantially changed from the Logical Framework submitted with your Stage 1 application. Please highlight any changes. (Use no smaller than Arial 10 pt)

Project summary	Measurable Indicators	Means of verification	Important Assumptions
Goal: Effective contribution in support of the implementation of the objectives of the Convention on Biological Diversity (CBD), the Convention on Trade in Endangered Species (CITES), and the Convention on the Conservation of Migratory Species (CMS), as well as related targets set by countries rich in biodiversity but constrained in resources.			
Sub-Goal: The marine biodiversity of Peru is preserved for future sustainable use	<ul style="list-style-type: none"> • Artisanal fisheries methods and bycatch accurately assessed • Bycatch mitigations identified and implemented for threatened taxa and fisheries observed • programmes show reduced levels of marine vertebrate bycatch. • Increasing populations of key marine taxa 	<ul style="list-style-type: none"> • Data from Peruvian fisheries ministries and non-governmental monitoring programmes • Monitoring by Peruvian Navy and IMARPE, Spatially referenced fishing and bycatch data • Data from governmental and non-governmental monitoring programmes 	
Purpose Improved national and local capabilities applied to the sustainable and equitable management of marine biodiversity of Peru	<ul style="list-style-type: none"> • Sustainable artisanal fisheries initiative effectively enacted 	<ul style="list-style-type: none"> • Monitoring continued • Reports and publications by partner organisations 	<ul style="list-style-type: none"> • Peruvian partner organisations incorporate new knowledge into future strategies and workplans • Continued political stability
Outputs (add or delete rows as necessary) 1. Partners trained in monitoring, research and database use	<ul style="list-style-type: none"> • Training workshops • Training of Darwin Research Fellow and other local partners • Training of Darwin Graduate Trainee to MSc • Darwin Staff to international conferences 	<ul style="list-style-type: none"> • Workshop Reports • Functioning fisheries observer programme and bycatch data • MSc thesis 	<ul style="list-style-type: none"> • Trained individuals remain in employment by partner organisations
2. Increased knowledge of the marine biodiversity of Peru to inform decision makers	<ul style="list-style-type: none"> • Current assessment of artisanal fisheries and associated bycatch • Sustainable Artisanal Fisheries Initiative • Species and fisheries effort maps • Darwin conference • Scientific Papers 	<ul style="list-style-type: none"> • Outputs provided to Darwin; included on project website and reports 	<ul style="list-style-type: none"> • Partners provide and share data

3. Increased awareness of the marine environment	<ul style="list-style-type: none"> • Website; newsletters; press releases; Workshops; Lectures; Darwin conference 	<ul style="list-style-type: none"> • Web hits • Circulation of Darwin Newsletter • Media Items • Conference outputs • Number workshops held and attendance levels • Number of fishers collaborating in fieldwork 	
4. Bycatch mitigation experiments and implementation	<ul style="list-style-type: none"> • Animals released • Declines in capture rates, both absolute and catch per unit effort • Reduced severity of injury • Number of fishers agreeing to change fishing techniques/employ mitigation 	<ul style="list-style-type: none"> • Reports and publications • Number of fishers employing the techniques 	<ul style="list-style-type: none"> • Effective, appropriate measures can be defined for the fisheries and species
5. Project monitoring	<ul style="list-style-type: none"> • Darwin reporting. • Steering group meetings. 	<ul style="list-style-type: none"> • Reports to Darwin Initiative. • Minutes of meetings. 	

Activities (details in workplan)

1.1 Workshops (1. Visioning; 2. Fisheries observers; 3. Spatial ecology; 4. Bycatch mitigation; 5. Conservation workshops; Dates per workplan)

1.2 Darwin Graduate Trainee identified

1.3 Darwin-IMARPE Fellow identified

1.4 Conference attendance Darwin staff

2.1 Artisanal fisheries assessment completed

2.2 Spatial ecology database established

2.3 Fisheries observer programme underway

2.4 Marine Vertebrate monitoring underway

2.6 Scientific papers

2.7 Project summary report prepared, presented to stakeholders and decisionmakers

3.1 Website established

3.2 Production of Darwin Newsletters

3.3 Press releases in Peru and UK

3.3 Darwin Seminars for key stakeholders

3.4 Darwin Conference

4.1 Bycatch mitigation trials and implementation

5.1 Darwin reporting

5.2 Steering Group meetings

18. Provide a project implementation timetable that shows the key milestones in project activities. Complete the following table as appropriate to describe the intended workplan for your project. **Note lighter shaded areas represent continued effort throughout the project timeframe**

Activity	Months	Year 1 (10/11)				Year 2 (11/12)				Year 3 (12/13)			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
1.1 Darwin Workshop 1-Visioning	Oct 10												
Darwin Workshop 2–Fisheries Observers	Apr/May 11 (with continuing support)												
Darwin Workshop 3-Spatial Ecology	Apr/May 11 (with continuing support)												
Darwin Workshop 4–Mitigation	Oct/Nov 11 (with continuing support)												
Darwin Conservation Workshops	Regularly scheduled throughout project												
1.2 Darwin Graduate Trainee Identified	Oct 10												
Darwin Trainee begins MSc	Jan 11												
Darwin Trainee completes MSc	Jan 13												
1.3 IMARPE Fellow Recruited	Oct 10												
1.4 Conference Darwin staff	Oct 11, Oct 12												
2.1 Artisanal fisheries assessment	Oct 10-Mar 11												
2.2 Spatial ecology database established	Jul 11 (with continuing support)												
2.3 Fisheries Observer Programme	Aug 11 (with continuing support)												
2.4 Marine Vertebrate monitoring	Aug 11 (with continuing support)												
2.6 Submission of scientific papers	Jun 11, Jun 12, Jan 13, Sep 13												
2.7 Project summary report prepared	Aug/Sep 13												
3.1 Website Established	Dec 10 (with ongoing updates)												
3.2 Production of Newsletters	Mar 11, Dec 11, Sep 12, Jun 13												
3.3 Press releases in Peru and UK	Oct 10, Jul 11, Jun 12, Mar 13												
3.4 Darwin Seminars for key stakeholders	May 11, Feb 12, Nov 12												
3.5 Darwin Conference	Jun 13												
4.1 Bycatch Mitigation Implementation	Jul 12 (with continuing support)												
5.1 Darwin Reporting	Per Darwin timetable												
5.2 Steering Group Meetings	May & Nov 11, May & Nov 12, May 13												

19. Please indicate which of the following Standard Measures you are likely to report against. You will not necessarily plan to cover all these Standard Measures in your project. Separate guidance on Standard Measures can be found at http://darwin.defra.gov.uk/resources/reporting/standard_measures/

Standard Measure No	Description	Tick if Relevant
1A	Number of people to submit thesis for PhD qualification (in host country)	1
1B	Number of people to attain PhD qualification (in host country)	1
2	Number of people to attain Masters qualification (MSc, MPhil etc)	1
3	Number of people to attain other qualifications (ie. Not outputs 1 or 2 above)	3
4A	Number of undergraduate students to receive training	15
4B	Number of training weeks to be provided	7
4C	Number of postgraduate students to receive training	1
4D	Number of training weeks to be provided	50
5	Number of people to receive at least one year of training (which does not fall into categories 1-4 above)	4
6A	Number of people to receive other forms of education/training (which does not fall into categories 1-5 above)	500
6B	Number of training weeks to be provided	8
7	Number of (ie different types - not volume - of material produced) training materials to be produced for use by host country	5
8	Number of weeks to be spent by UK project staff on project work in the host country	26
9	Number of species/habitat management plans (or action plans) to be produced for Governments, public authorities, or other implementing agencies in the host country	1
10	Number of individual field guides/manuals to be produced to assist work related to species identification, classification and recording	4
11A	Number of papers to be published in peer reviewed journals	4
11B	Number of papers to be submitted to peer reviewed journals	4
12A	Number of computer based databases to be established and handed over to host country	3
12B	Number of computer based databases to be enhanced and handed over to host country	3
13A	Number of species reference collections to be established and handed over to host country(ies)	
13B	Number of species reference collections to be enhanced and handed over to host country(ies)	
14A	Number of conferences/seminars/ workshops to be organised to present/disseminate findings	4
14B	Number of conferences/seminars/ workshops attended at which findings from Darwin project work will be presented/ disseminated.	2
15A	Number of national press releases in host country(ies)	5
15B	Number of local press releases in host country(ies)	6
15C	Number of national press releases in UK	2
15D	Number of local press releases in UK	2
16A	Number of newsletters to be produced	4
16B	Estimated circulation of each newsletter in the host country(ies)	1000
16C	Estimated circulation of each newsletter in the UK	250
17A	Number of dissemination networks to be established	1
17B	Number of dissemination networks to be enhanced/ extended	1
18A	Number of national TV programmes/features in host country(ies)	2
18B	Number of national TV programmes/features in UK	
18C	Number of local TV programmes/features in host country(ies)	
18D	Number of local TV programmes/features in UK	
19A	Number of national radio interviews/features in host country(ies)	2
19B	Number of national radio interviews/features in UK	
19C	Number of local radio interviews/features in host country(ies)	3
19D	Number of local radio interviews/features in UK	1
20	Estimated value (£'s) of physical assets to be handed over to host country(ies)	£36,490
21	Number of permanent educational/training/research facilities or organisations to be established and then continued after Darwin funding has ceased	
22	Number of permanent field plots to be established during the project and continued after Darwin funding has ceased	5
23	Value of resources raised from other sources (ie in addition to Darwin funding) for project work	£300,960

PROJECT BASED MONITORING AND EVALUATION

20. Describe, referring to the Indicators in the Logical Framework, how the progress of the project will be monitored and evaluated, including towards delivery of its outputs and in terms of achieving its overall purpose. This should be during the lifetime of the project and at its conclusion. Please include information on how host country partners will be included in the monitoring and evaluation.

The progress of the project against key milestones and indicators will be appraised by a Steering Group made up of partner organisations that will meet bi-annually. Minutes from these meetings will be circulated to all partners with any actions necessary articulated.

There will be regular communication among project partners, facilitated by an e-mail listserv and the field presence of the two key Darwin Staff in Peru i.e. the Darwin Fellow and Darwin-IMARPE Fellow.

Although a necessarily ambitious project, there are a number of key indicators that will show the progress of the project as catalysed by the launch of several ongoing initiatives. These include websites development, database elaboration, artisanal fisheries assessment, Fishery Observer Programme, and the launch of marine vertebrate monitoring and bycatch mitigation initiatives. All of these are clearly articulated and time stamped.

FUNDING AND BUDGET

Please complete the separate Excel spreadsheet which will provide the Budget information for this application. Some of the questions below refer to the information in this spreadsheet.

NB: Please state all costs by financial year (April to March). Use current prices – and include anticipated inflation, as appropriate up to 3% per annum. The Darwin Initiative will not be able to agree increases in grants to cover inflation on UK costs once grants are awarded.

21. How is your organisation currently funded? (max 100 words)

The University of Exeter is funded by a mosaic of governmental, charitable and commercial sources. The Marine Turtle Research group is funded by limited core funding from the University supplemented by grants and consultancy from sources that have included Defra, DfID, FCO, NERC, Royal Society and smaller foundations. See full audited accounts at: http://admin.exeter.ac.uk/finance/publications/financial_statements/index.shtml

22. Provide details of all confirmed funding sources identified in the Budget that will be put towards the costs of the project, including any income from other public bodies, private sponsorship, donations, trusts, fees or trading activity. Please include any additional unconfirmed funding the project will attract to carry out addition work during or beyond the project lifetime. Indicate those funding sources which are confirmed.

Confirmed:

Peruvian Partners are providing significant salary, overhead, equipment and travel costs (**£XXX**).

University of Exeter is providing salaries of Dr.Godley (10%); Dr. Broderick (5%); and the vast majority of overhead/estates costs for all UoE staff including proposed Darwin Research Fellow, Dr. Matthew Witt. In addition travel, dedicated computing and additional equipment will be given (**total: £XXX**).

Unconfirmed:

We will actively fund-raise as opportunities become available to increase impact and legacy of the project.

23. Please give details of any further funding resources (confirmed or unconfirmed) sought from the host country partner (s) or others for this project that are not already detailed in the Budget or Question 22. This will include donations in kind or un-costed support eg accommodation. (max 50 words per box)

Financial resources:

As an NGO, ProDelphinus has several bids pending with microfunding sources that if funded will augment the work of the proposed Darwin project. The success of the Darwin project is not contingent on the success of these bids, however.

Funding in kind:

We have not costed all the time from participating NGO's as part of the bid, but given their number and commitment to the project, over the duration of the project, this would be a significant amount.

FCO NOTIFICATIONS

Please check the box if you think that there are sensitivities that the Foreign and Commonwealth Office will need to be aware of should they want to publicise the project's success in the Darwin competition in the host country.

Please indicate whether you have contacted the local UK embassy or High Commission directly to discuss security issues (see Guidance Notes) and attach any advice you have received from them.

Yes (no written advice)



Yes, advice attached



No



CERTIFICATION 2010/11

On behalf of the University of Exeter

(*delete as appropriate)

I apply for a grant of £46,070 in respect of expenditure to be incurred in the financial year ending 31 March 2011 on the activities specified in the above application.

I certify that, to the best of our knowledge and belief, the statements made by us in this application are true and the information provided is correct. I am aware that this application form will form the basis of the project schedule should this application be successful. (This form should be signed by an individual authorised by the lead UK institution to submit applications and sign contracts on their behalf.)

I enclose a copy of the organisation's most recent audited accounts and annual report, CVs for project principals and letters of support.

Name (block capitals)	PROFESSOR ALLEN MOORE
Position in the organisation	CENTRE DIRECTOR

Signed



Date:

Stage 2 Application - Checklist for submission

	Check
Have you provided actual start and end dates for your project?	X
Have you provided your budget based on UK government financial years ie 1 April – 31 March?	X
Have you checked that your budget is complete, correctly adds up and that you have included the correct final total on the top page of the application?	X
Is the concept note within 1,000 words?	x
Is the logframe no longer than 2 pages and have you highlighted any changes since Stage 1?	X
Has your application been signed by a suitably authorised individual? (clear electronic or scanned signatures are acceptable in the email, but a wet signature should be provided in the hard copy version)	X
Have you included a 1 page CV for the Project Leader, any other UK staff working 50%+ on this project, and for a main individual in each overseas partner organisation?	X
Have you included a letter of support from the main overseas partner organisations?	X
Have you checked with the FCO in the project country/ies and have you included any evidence of this?	X
Have you included a copy of your most recent annual report and accounts? An electronic link to a website is acceptable.	X
Have you read the Guidance Notes?	X

Once you have answered Yes to the questions above, please submit the application, not later than midnight GMT on **Monday 30 November 2009** to Darwin-Applications@ltsi.co.uk using the application number (from your Stage 1 feedback letter) and the first few words of the project title **as the subject of your email**.

However, if you are e-mailing supporting documentation separately please include in the subject line an indication of the number of e-mails you are sending (eg whether the e-mail is 1 of 2, 2 of 3 etc). **In addition**, a signed hard copy of the application and any supporting documents not available electronically should be submitted to the Darwin Applications, c/o LTS International, Pentlands Science Park, Bush Loan, Penicuik EH26 0PL **postmarked** not later than **Tuesday 1 December 2009**.

DATA PROTECTION ACT 1998: Applicants for grant funding 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.