



APP2 64

DARWIN INITIATIVE**APPLICATION FOR GRANT FOR ROUND 12 COMPETITION: STAGE 2**

Please read the Guidance Notes before completing this form. Give a full answer to each section; applications will be considered on the basis of information submitted on this form. Please do not cross-refer to information in separate documents except where invited on the form. The space provided indicates the level of detail required but you may provide additional information on a separate A4 sheet if necessary. Do not reduce the font size below 12pt or alter the paragraph spacing.

Submit by 19 January 2004Ref (*Defra only*):**1. Name and address of organisation**

FALKLANDS CONSERVATION
1 Princes Avenue, Finchley, London N3 2DA.

2. Project title (not exceeding 10 words)

Falkland Islands Invertebrates Conservation Project

3. Principals in project. Please provide a one page CV for each of these named individuals.

Details	Project leader	Other UK personnel (if working more than 50% of their time on project)	Main project partner or co-ordinator in host country
Surname	Brown	Jones	Ingham
Forename(s)	Ann	Alexander	Rebecca
Post held	UK & Company Secretary	Hon Research Fellow	Conservation Officer
Institution (if different to above)	-	Univ. of Wales/ Bangor	-
Department	-	School of Biological Sciences	-
Telephone			
Fax			
Email			

4. Describe briefly the aims, activities and achievements of your organisation. (Large institutions please note that this should describe your unit or department)**Aims**

The conservation and protection of wildlife in the Falkland Islands for future generations through conducting research, involving people, undertaking practical action and providing advice and education.

Activities

Seabird research (notably interaction with fisheries/oil exploration), wildlife land management, publication of information, wildlife surveys/censuses, nature club for young Islanders, advising FI Government.

Achievements

Seabird Monitoring Programme conducted over 19 years, Rat Eradication/Tussac Grass Restoration Projects, FI wildlife database, established FI Herbarium, publication of FI Visitor and Flowering Plants Guides.

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

No

6. Please list the overseas partners that will be involved in the project and explain their role and responsibilities in the project. The extent of their involvement at all stages in the project should be detailed, including in project development. Please provide written evidence of this partnership.

Falklands Conservation's base in the Falkland Islands will be the overseas partner. It will be responsible for:

- Provision of office and transport facilities during fieldwork periods; obtaining permission for access to private land, farms and Government protected areas; obtaining use of laboratory facilities.
- Arranging training courses/field trips. Involving the Falklands Islands community in the Project.
- Acting as a focus for collection and dissemination of information during and after Project completion. Incorporating invertebrate records into the Falkland Islands wildlife database. Setting up an Invertebrates Group and ensuring this meets long term needs. Curation of Invertebrates Collection.
- Ensuring a good working relationship with the Falkland Islands Government, notably the Environmental Planning Department and the FI Environment Committee of which FC is a member.
- Issuing news releases to local media and regular reports in Falkland Conservation's Newsletter.

7. What steps have been taken to (a) engage at all appropriate levels within the host country partner organisations to ensure full support for the project and its outcomes; and (b) ensure the benefits of the project continue despite staff changes in these organisations?

Undertaking a major invertebrates survey is an operational objective included in Falkland Conservation's Business Plan as part of a recognised need to focus on gathering essential baseline data. A majority of FC's Trustees are Falkland Islanders. FC has a policy to establish specialist advisory groups to inform its programmes and involve key players on a long-term basis. Training will enable staff to take on specific areas of project work. Responsibility for all conservation projects is included in the Conservation Officer's job description, which is our key permanent staff post.

8. What other consultation or co-operation will take place or has taken place already with other stakeholders such as local communities. Please include any contact with the government of the host country not already provided.

The project has been discussed with the Falklands Government Environmental Planning Officer and the Conservation Strategy Officer who recognise that it will make a major contribution to the Islands' Biodiversity Action Plan, Environmental Charter and implementation of the CBD over the next decade. The Conservation Strategy Officer is working closely with Falklands Conservation to develop these initiatives. The pilot Invertebrates Project has established a good relationship with the Community School through classroom teaching and practical field work. The proposed Invertebrates Schools Pack is strongly supported. Falklands Conservation has good and long standing relationships with local landowners.

PROJECT DETAILS

9. Define the purpose of the project in line with the logical framework.

This Project will undertake a systematic survey of the invertebrates of the Falkland Islands. It will be the first time that this has been done. Preliminary studies have revealed great bio-geographic significance of the Falklands invertebrate fauna and strong indications of a very high level of endemism. It will significantly advance the knowledge of Falkland Islands invertebrates as part of a programme to implement a Biodiversity Action Plan in the Falklands. It will identify key species, including their distribution and ecology, to provide for their protection and recommend sustainable policies to ensure survival in the long term. It will educate Islanders in the identification and surveying of Falkland Islands invertebrates. It will enable FC to introduce invertebrate collection into its fieldwork programme and take on responsibility for an invertebrates database, with data collection extending well beyond the Darwin Project.

10. Is this a new initiative or a development of existing work (funded through any source)?

This major systematic invertebrates survey is a new initiative. However, it will follow on from a 12 month pilot project which is assessing the scope and fieldwork techniques to be applied.

11. How will the project assist the host country in its implementation of the Convention on Biological Diversity? Please make reference to the relevant article(s) of the CBD, thematic programmes and/or cross-cutting themes (see Annex C for list and worked example) and rank the relevance of the project to these by indicating percentages. Is any liaison proposed with the CBD national focal point in the host country? Further information about the CBD can be found on the Darwin website or CBD website.

The Falkland Islands have not yet adopted the CBD, but are actively working towards this goal. The Project will greatly assist this process by providing basic data on invertebrates. It will significantly advance identification of key components of the Islands' biological diversity, set up a system to monitor invertebrate populations and identify those in need of protection (No 7, 30%). Through recognition of areas of invertebrate importance, management advice, and recommendations for legal protection, it will play an important part in implementation of No 8, 15%. The Invertebrates Collection will be a local facility for reference/research (No 9, 10%). A conservation manual and specialist advice will inform decision-making and measures to minimise impact on Falklands wildlife (No 10, 5%). It will produce scientific papers, and provide technical training for identification. (No 12, 10%). It will raise the profile of invertebrate knowledge through media promotion and information on the web (No 13, 5%). The Project falls within the CBD thematic work programme on marine and coastal biodiversity (25%).

12. How does the work meet a clearly identifiable biodiversity need or priority within the host country? Please indicate how this work will fit in with National Biodiversity Strategies or Environmental Action Plans if applicable.

Under the Environment Charter signed by the Falklands Government in September 2001 a commitment was made to safeguard native species, to protect key species and review the range, quality and availability of baseline data for natural resources and biodiversity. The invertebrates of the Falkland Islands form a significant part of the Falklands fauna and have a wider importance because of the probable high level of unique species. This level of endemism marks the Falkland invertebrates as a very important fauna with a major place in the Islands' overall biodiversity (in a country without native terrestrial mammals, reptiles or amphibians). This Project will address a basic lack of information on the biology, ecology and distribution of all major invertebrate species and groups. It will provide a Red List (based on IUCN guidelines) of Falkland invertebrates. Results will be co-ordinated into the Islands Site and Species Database. Conservation programmes and policies will be produced, linking into the Falklands Biodiversity Action Plan.

13. If relevant, please explain how the work will contribute to sustainable livelihoods in the host country

The publication of an insect field guide (to be promoted in the course of the Darwin Project), combined with the presence of an on-island reference collection, will enable the identification of known agricultural pests and potentially threatening invasive species. This will be a useful resource to support the Islands' sustainable agriculture activities. In addition, the eco-tourism industry, an important source of the Islands' revenue, will benefit from the availability of additional popular information on Falklands wildlife – a key reason visitors come to these Islands.

14. What will be the impact of the work, and how will this be achieved? Please include details of how the project outputs will be disseminated and put into effect to achieve this impact.

(1): An increased knowledge of invertebrates: an Invertebrates Collection available for public reference, scientific papers produced, a Schools Invertebrates Pack developed, and publicity/public talks. (2): Designation of protected areas and species: through identification of key areas, and production of an Invertebrates Conservation Plan. Recommendations will be made to FIG to include invertebrate protection within existing legislation and to be included in environmental impact assessments. (3): Identification and long term monitoring of Falkland invertebrate species: a database will be set up and Islanders will be trained in basic techniques and curation of the Islands' Invertebrates Collection.

15. How will the work leave a lasting legacy in the host country or region?

- (1) A permanent invertebrates collection set up in Stanley available to the public.
- (2) Publications will aid identification by Islanders, visitors and others interested in Falkland invertebrates.
- (3) Islanders will be trained in specialist techniques and a Falklands Invertebrates Advisory Group set up.
- (4) A database on Falkland invertebrate species established and maintained by Falklands Conservation.
- (5) An Invertebrates Conservation Plan will assist implementation of CBD, and invertebrate protection.
- (6) A significant contribution made to environmental sustainability as described in the current Islands Plan.

16. What steps have been taken to identify and address potential problems in achieving impact or legacy?

A pilot project has examined appropriate techniques and tested equipment and materials. Every opportunity will be taken to involve our adult and junior members/public/landowner participation in specimen collection. Funding for the Schools Pack and support costs is included in our Fundraising Plan. The commitment of the Falkland Islands Government is important at all stages. The Project will be included as an agenda item in regular meetings between Falklands Conservation and the Environmental Planning Dept.

17. How will the project be advertised as a Darwin project and in what ways would the Darwin name and logo be used

This will be the first systematic survey of the invertebrates of the Falkland Islands. This is particularly relevant to the Darwin Initiative in view of the scientific visits made here by Charles Darwin who collected invertebrates work in the archipelago, most notably the endemic 'Darwin Beetle' (*Lissopterus quadrinotatus*). These links will be referred to when publicising the Project. The Darwin Initiative name and logo will be used on all reports produced by the Project, on recording forms, the Schools Pack, in articles within Falklands Conservation publications, on our web site and on Project displays (eg for Farmers Week, open days at the Agriculture Department, and at Mount Pleasant military complex).

18. Are you aware of any other individuals/organisations carrying out similar work? Are there completed or existing Darwin Initiative projects which are relevant to your work? Please give details, explaining the similarities and differences and how your work will be distinctive and innovative. Show how the outputs and outcomes of this work will be additional to any similar work, and what attempts have been/will be made to co-operate with such work for mutual benefits.

There are no other individuals or organisations carrying out similar work in the Falkland Islands. Falklands Conservation is currently conducting a 12-month pilot project. Insect diversity is known to be much greater than previously thought with several families newly recorded and 30 new species found. Experience gained by Dr Jones with the Darwin funded Gough Is. Terrestrial Invertebrate Survey will be helpful to this Project, but the Falkland Islands have many more invertebrate species and greater conservation threats because of their human population and introduced herbivores.

19. Will the project include training and development? Please indicate who the trainees will be and criteria for selection. How many will be involved, and from which countries? How will you measure the effectiveness of the training and will those trained then be able to train others? Where appropriate give the length and dates (if known) of any training course. How will trainee outcomes be monitored after the end of the training?

15 Islanders (5 per year), selected on the basis of their interest in invertebrates and availability, will be trained in invertebrate identification and taxonomy, collecting and sampling techniques and specimen curation. Training will consist of a 2 week course in December/ January followed by 7 days supervised practical fieldwork. Trainees will be assessed by the Project Officer, certificates of completion awarded and a course report produced. A member of FC staff will be trained to continue instruction after the end of the Project. A volunteer Curator for the Islands' Invertebrates Collection will be appointed from the trainees. Falklands Conservation staff and Trustees will monitor the outcomes of training via reports from the Invertebrates Advisory Group. At least 9 school trips and one teacher training session will be run.

20. How are the benefits and/or work of the project expected to continue after the end of grant period? Please provide a clear exit strategy.

Project information will inform the content of the Biodiversity Action Plan allowing implementation of CBD in the Falkland Islands. This should provide for long term conservation measures for the Islands' invertebrates. The training programme along with the production of training materials, reference collections and a data base will facilitate the continued collection of specimens, curation of the Falklands Collection, monitoring of sites and populations, and addressing conservation concerns. A Falkland Islands Invertebrate Advisory Group will be established to manage and monitor the Invertebrates Conservation Plan. The Group will be run as part of the responsibilities of the FC Conservation Officer post in Stanley and will report to the FC Board of Trustees. Key knowledgeable entomologists familiar with the region will be invited to join and some have already indicated their interest in supporting the project in this way. An important role for this Group will be to arrange for the identification of those species which remain unidentified at the end of the Project.

21. Provide a project implementation timetable that shows the key milestones in project activities.

Project implementation timetable		
Date	Financial year: Apr-Mar 2004/5 Apr-Mar 2005/6 Apr-Mar 2006/7	Key milestones
April 04 +	Apr-Mar 2004/5	Taxonomic analysis of collections/ samples with Nat H. Museum begun.
April 04	Apr-Mar 2004/5	Steering Group and Falklands Invertebrates Advisory Group established.
April 04	Apr-Mar 2004/5	Public launch of Project with publication of Falklands Insect Field Guide
May 04	Apr-Mar 2004/5	Invertebrates section of FC web site developed and on line
July 04	Apr-Mar 2004/5	Display designed, and used for first time in FI for Falklands Farmers Week
Jan 05	Apr-Mar 2004/5	Invertebrates database established.
Feb 05	Apr-Mar 2004/5	First 2 month summer fieldwork season completed. 5 Islanders trained.
Mar 05	Apr-Mar 2004/5	Collections sent to UK and taxonomic analysis work continued with NHM
Apr 05	Apr-Mar 2005/6	First of taxonomic keys and descriptions published in peer reviewed papers
June 05	Apr-Mar 2005/6	Falkland Schools Invertebrates Pack produced.
Oct 05	Apr-Mar 2005/6	Invertebrates Conservation Plan produced for consultation.
Dec 05	Apr-Mar 2005/6	Second 2 month fieldwork season completed. 10 Islanders trained.
May 06	Apr-Mar 2006/7	Invertebrates Conservation Manual produced. Plan finalised.
Jan 07	Apr-Mar 2006/7	Curated and identified specimens returned to FI and set up as Collection
Jan 07	Apr-Mar 2006/7	Final fieldwork season completed. 15 Islanders trained. Plan finalised
Feb 07	Apr-Mar 2006/7	Updated species checklist and Falklands Red list of insects produced.
Mar 07	Apr-Mar 2006/7	Taxonomic keys and descriptions of Pterygote insect fauna completed.
Mar 07	Apr-Mar 2006/7	Dedicated Falklands collection donated to Natural History Museum Computer database of species distribution finalised and hot spots identified.

22. How will the most significant outputs contribute towards achieving the purpose of the project? (This should be summarised in the Log Frame as Indicators at Purpose level)

Taxonomic identification of invertebrate species, their distributions and conservation threats is necessary to inform the drawing up of a Falklands Biodiversity Action Plan, leading to implementation of the CBD.

Training of Islanders and the production of training materials will allow for long term monitoring of invertebrate fauna and temporal evolution of good management practices.

Key invertebrate species will be included on a statutory list of protected species.

Key areas 'invertebrate hot spots' will be recommended for statutory protection as nature reserves, national parks or sanctuaries.

23. Set out the project's measurable outputs using the separate list of output measures

PROJECT OUTPUTS		
Year/Month (starting April)	Standard Output Number (see standard output list)	Description (include numbers of people involved, publications produced, days/weeks etc)
04/04-03/07	15A/15B/19A 15C	6 articles in 'Penguin News'; 6 radio interviews FIBS in total. 10 UK national press releases/magazine articles in project period Keynote article in FC Annual Review.
Apr 04	17A	Falkland Invertebrates Advisory Group set up.
Jan-Feb 05	6A	2 week training course run for 5 Falkland Islanders 1 School field trip run for 30 students
Jan-Feb 05		Project Officer, Dr A Jones, to undertake 3 fieldwork seasons in the Falkland Islands – a total of 24 weeks. Areas of work to include East & West Falkland and their offshore islands.
Nov-Dec 06	8	
Dec 06-Jan07		
Jan 05-Feb07	14A 14B	3 public presentations in Stanley during fieldwork visits. 2 scientific presentations in UK, plus FC AGM. Database of invertebrates distribution established in Islands integrated with FC Islands wildlife records
Apr 05- Mar07	12A 11B	3 papers on Falkland invertebrates submitted to peer reviewed journals during the course of the Project.
Oct 05		Review of extant invertebrate conservation issues on Falklands submitted.
	11B	Falkland Invertebrates Schools Pack produced Teacher Training Course (half-day) run for 6 teachers.
June 05	7	2 week training course run for additional 5 Falkland Islanders
Nov 05	6A	1 School field trip run for 30 students
Dec 05	6A	Invertebrates Field Techniques & Conservation Plan produced.
	6A	Falkland Invertebrates Conservation Manual produced.
Jan 07	9	2 week training course run for additional 5 Falkland Islanders
May 06	10	1 School field trip run for 30 students
May 06	6A	Curated collection of invertebrates set up in Falkland Islands. Red List of Falkland invertebrates submitted to IUCN/FI Gvt
Jan 07	6A	Assets for Falklands include Collection cabinet (£1,500), and collecting equipment (£825),
Jan 07	13A	Funding from other sources: Falkland Islands Government (£30,000), Falklands Conservation funding/appeal (£12,974).
Feb 07	11B	
04/05-03/07	20	
04/05-03/07	23	

MONITORING AND EVALUATION

24. Describe how the progress of the project, including towards delivery of outputs, will be monitored and evaluated in terms of achieving its overall purpose. This should be both during the lifetime of the project and at its conclusion. Please make reference to the indicators described in the Logical Framework.

A monthly report on species work, training, and technical aspects will be provided by the Project Officer to the Project Steering Group comprising the Project Leader, FC Conservation Officer, a Falkland Islands' Government representative, and two FC Trustees. It will include targets achieved and problems to be solved. In addition, a quarterly report will be made to the FC Board of Trustees and the University of Wales. This will include fundraising results, feed back on establishment and meetings of the Invertebrates Advisory Group, and proposed publications.

There will be regular meetings with the Natural History Museum to advance and discuss taxonomic issues.

There will be bi-annual review meetings per year with the Project Leader/University of Wales.

25. How will host country partners be involved in monitoring and evaluation of the project?

Regular consultations will be undertaken with the FI Government (Environmental Planning Department) to ensure that the project's recommendations and findings are incorporated into the Islands' Biodiversity Action Plan and legislation issues (designation of protected areas/species) progressed. The FC Conservation Officer, based in Stanley, will receive monthly reports from the Project Officer. A majority of Trustees of Falklands Conservation are Falkland Islands residents and will receive a quarterly report on the Project's progress. A Darwin Initiative Project Report will be produced each year and circulated amongst local stakeholders.

26. How will you ensure that the project achieves value for money?

Falklands Conservation is experienced in managing conservation projects of this size and complexity with grants from public bodies including the Foreign & Commonwealth Office and the Falkland Islands Government. We observe best practice in the procurement of goods and services, including seeking charity discounts where appropriate and involving our volunteers in project implementation. There will be no requirement by the Darwin Initiative for funding Field Assistants (necessary for Health and Safety reasons) as this requirement will be met by self-funded MSc ecology students under the supervision of Prof. Thorpe (UWB). Expenditure will be monitored on a monthly basis against budget/grant. The UK and FI centres of Falklands Conservation run an integrated finance system to co-ordinate project finances at all stages.

27. Reporting Requirements. All projects must submit six monthly reports (by 31 October each year) and annual reports (by 30 April each year). Please check the box for all reports that you will be submitting, dependent on the term of your project. You must ensure that you cover the full term of your project.

Report type	Period covered	Due date	REQUIRED?
Six month report	1 April 2004 – 30 September 2004	31 October 2004	Yes
Annual report	1 April 2004 – 31 March 2005	30 April 2005	Yes
Six month report	1 April 2005 – 30 September 2005	31 October 2005	Yes
Annual report	1 April 2005 – 31 March 2006	30 April 2006	Yes
Six month report	1 April 2006 – 30 September 2006	31 October 2006	Yes
Annual report	1 April 2006– 31 March 2007	30 April 2007	Yes
Six month report	1 April 2007 – 30 September 2007	31 October 2007	Yes
Final report	1 April 2004 – project end date	3 months after project completion	Yes

LOGICAL FRAMEWORK

28. Please enter the details of your project onto the matrix using the note at Annex B of the Guidance Note. This should not have substantially changed from the Logical Framework submitted with your Stage 1 application. Please highlight any changes.

Project summary	Measurable indicators	Means of verification	Important assumptions
<p>Goal:</p> <p>To draw on expertise relevant to biodiversity from within the United Kingdom to work with local partners in countries rich in biodiversity but poor in resources to achieve</p> <ul style="list-style-type: none"> the conservation of biological diversity, the sustainable use of its components, and the fair and equitable sharing of the benefits arising out of the utilisation of genetic resources 			
<p>Purpose</p> <p>To advance the knowledge of Falkland Island invertebrates in order to provide for their protection and to develop sustainable policies to ensure their long term survival.</p>	<p>Key areas given statutory protection as nature reserves, national parks or sanctuaries.</p> <p>Key species on statutory list of protected species.</p> <p>Invertebrates included as part of the Falkland Islands' Biodiversity Action Plan</p> <p>Expertise established within the Islands to effect long term monitoring.</p>	<p>Appropriate areas of invertebrate importance declared protected areas.</p> <p>Wildlife legislation amended to include key species.</p> <p>Biodiversity Action Plan published.</p> <p>Invertebrate Advisory Group set up.</p>	<p>Falkland Is. Government allocates adequate time and resources to effect declarations, amend legislation and produce Biodiversity Action Plan.</p> <p>Sufficient interest is generated about invertebrates to recruit, train, and maintain a long term interest by a number of Falkland residents.</p>
<p>Outputs</p> <p>Important invertebrate habitats and rare/threatened species, identified for protection.</p> <p>A Falklands Invertebrates Conservation Plan agreed.</p> <p>Resources produced to enable identification and long term monitoring.</p> <p>15 Falkland Islands residents trained in basic invertebrate identification techniques and curation of the Collection.</p>	<p>Database established recording invertebrate distribution and 'hot spots' of conservation importance. Local Red Data List published.</p> <p>Consultation on Plan undertaken and presented to Falkland Islands Govt.</p> <p>A Falkland Invertebrates Collection established and identification publications written.</p> <p>Training Programme undertaken.</p>	<p>Database operational and an invertebrate Local Red Data List published.</p> <p>Key species selected for legal listing.</p> <p>Conservation Plan accepted as part of Islands' Biodiversity Action Plan.</p> <p>Invertebrates Collection in place and available to public.</p> <p>15 or more Islanders actively contributing to invertebrates programme.</p>	<p>Sufficient data can be collected and processed over an adequate area of the Falkland Islands.</p> <p>Progress is made in drawing up structure and content for the Biodiversity Action Plan.</p> <p>A suitable place can be found for the Collection and publishers can be found for publications.</p> <p>Islanders are interested in learning more about Falkland Islands invertebrates.</p>
<p>Activities</p> <p>Fieldwork Programme</p> <p>Training</p> <p>Collections</p> <p>Publications</p> <p>Events/Publicity</p>	<p>Activity Milestones (Summary of Project Implementation Timetable)</p> <p>Three 2-month fieldwork seasons completed resulting in an invertebrates database established, distribution of species recorded, samples identified leading to taxonomic keys and descriptions of Pterygote insect fauna and a species check list and Red List produced for the Islands.</p> <p>15 Islanders take part in 3 training courses and support survey/collection work.</p> <p>Teacher training course held for Schools Invertebrates Pack</p> <p>Reference Collection established in Falkland Islands and available to the public.</p> <p>Dedicated Falklands collection donated to Natural History Museum.</p> <p>Schools Invertebrates Pack produced. Scientific papers published.</p> <p>Falklands Conservation Plan and Invertebrates Conservation Manual produced.</p> <p>Public launch of Project. 2 FI radio broadcasts per year. Display produced for Falkland events. Information to FI local press on regular basis. Report in annual 'Wildlife Conservation in the Falkland Islands'. Invertebrates web section on line. 5 articles/presentations outside the Islands.</p>		