

Darwin Plus: Overseas Territories Environment and Climate Fund Project Application Form

Submit by 2359 GMT Monday 21 September 2015

Please read the Guidance Notes before completing this form.

Information to be extracted to the database is highlighted blue. Blank cells may render your application ineligible

Basic Data

1. Project Title (max 10 words)	Water Security and Sustainable Cloud Forest Restoration on St Helena		
2. UK OT(s) involved	St Helena	Letter of support from OT government attached?	Yes
3. Start Date:	1 st April 2016		
4. End Date:	31 st March 2018		
5. Duration of project (no longer than 24 months)	24 months		

Summary of Costs	2016/17	2017/18	Total
6. Budget requested from Darwin	71,335	52,021	123,356
7. Total value of matched funding	8,378	8,378	16,756
8. Total Project Budget (all funders)	79,713	60,399	140,112
9. Names of Co-funders	St Helena Government and Connect St Helena		

10. Name, address and contact details of lead applicant organisation (responsible for delivering outputs, reporting and managing funds)*	Mr Trevor Graham, Director Environment and Natural Resources Directorate, St Helena Government, Essex House, Jamestown, STHL 1ZZ, Saint Helena, South Atlantic Ocean.		
--	---	--	--

* Notification of results will be by email to the Project Leader named in Question 12

11. Type of organisation of Lead applicant. Place an x in the relevant box.													
OT GOVT	<input checked="" type="checkbox"/>	UK GOVT		UK NGO		Local NGO		International NGO		Commercial Company		Other (e.g. Academic)	

12. Partners in project. Please provide details of the partners in this project and provide a CV for the individuals listed. You may copy and paste this table if necessary

Details	Project Leader	Project Partner 1	Project Partner 2
Surname	Graham	De Wet	Sansom
Forename(s)	Trevor	Leon	Benedict
Post held	Director	Operations Director	Water and Environment Consultant
Institution (if different to above)	Saint Helena Government	Connect Saint Helena Ltd	Arctium Ltd
Department	Environment and Natural Resource Directorate	Water Resources	Water and Environment
Telephone/Skype			
Email			

Details	Project Partner 4	Project Partner 5	Project Partner 6
Surname	Gray		
Forename(s)	Alan		
Post held	Plant Ecologist		
Institution (if different to above)	Centre for Ecology and Hydrology		
Department			
Telephone/Skype			
Email			

13. Has your organisation been awarded Darwin Initiative funding before (for the purposes of this question, being a partner does not count)? If yes, please provide details of the most recent awards (up to 6 examples).

Reference No	Project Leader	Title
DPLUS018	Dr Judith Brown	Taxonomic and conservation status of Oceanodroma storm petrels in the South Atlantic
DPLUS020	Isabel Peters	St. Helena baseline assessment: A foundation for effective environmental management
DPLUS024	Shayla Ellick	Darwin Fellowship – MRes Carbon sequestration in community forests, St Helena
DPLUS029	Lourens Malan	Securing St Helena's rare cloud forest trees and associated invertebrates
DPLUS039	Elizabeth Clingham	Sustainable development and management of St Helena's fisheries and marine tourism

14. If your answer to Q13 was No, provide details of 3 contracts previously held by your institution that demonstrate your credibility as an implementing organisation. These contracts should have been held in the last 5 years and be of a similar size to the grant requested in this application. (If your answer to Q13 was Yes, you may delete these boxes, but please leave Q14)

15. Key Project personnel

Please identify the key project personnel on this project, their role and what % of their time they will be working on the project. Please provide 1 page CVs for these staff, or a 1 page job description or Terms of Reference for roles yet to be filled. Please include more rows where necessary.

Name (First name, surname)	Role	Organisation	% time on project	1 page CV or job description attached?
Trevor Graham	Project Leader	St Helena Government	3	Yes
Leon DeWet	Water Resource Manager, Saint Helena.	Connect Saint Helena Ltd	3	Yes
Ben Sansom	Environment and Water Resource Specialist, Saint Helena	Arctium Ltd	30	Yes
Alan Grey	Plant Ecology and Climate Change technical advisor	Centre for Ecology and Hydrology	3	Yes

Project Details

16. Project Outcome Statement: Describe what the project aims to achieve and what will change as a result. (30 words max). You can copy and paste from Q26.

Demonstrate that restoring the cloud forest will increase harvested rainfall and meet the islands water demand, whilst improving climate change resiliency and significantly increase habitats for endemic plants and invertebrates.

17. Background: (What is the current situation and the problem that the project will address? How will it address this problem? What key OT Government priorities and themes will it address? (200 words max)

St Helena has experienced unpredictable weather in recent years, which has led to two droughts in the past three years. The island has a very high dependency on rainfall to replenish water supplies. With the planned increase in eco-tourism, water demand is expected to rise, whilst climate change is likely to further impact on weather patterns.

The 20-Year Water Resource Masterplan outlines development and management of island water resources to provide security of supply and enable resilience to climate change. The preferred development approach is through rainwater harvesting.

Improving mist capture in the Peaks through restoring endemic cloud forest would increase available water resources and provide more cloud forest habitat for at risk endemic plants and invertebrates.

This project will provide sub-catchment scale water balances to confirm the relationship between cloud forest, mist capture and impact of invasive species on water supply. Outcomes will support development of a cloud forest restoration plan.

The project addresses *National Goal 3: Effective Management of the Environment, and Sustainable Development Plan targets:*

5.3 – Meeting predicted growth in demand for water;

8.1 – Safeguarding the terrestrial and marine environments for future generations; and

8.2 – Environment mainstreamed across Saint Helena Government and private sector.

18. Methodology: Describe the methods and approach you will use to achieve your intended outcomes and impact. Provide information on how you will undertake the work (materials and methods) and how you will manage the work (roles and responsibilities, project management tools etc). Give details of any innovative techniques or methods. (500 words max)

Two sub-catchments in the Peaks cloud forest have been identified for their current habitat distribution and significance to island water supply; Grapevine Gut (exclusively invasive species) and Wells Gut (partially endemic species).

Project Leader –Trevor Graham (Director, ENRD – Saint Helena Government)

Project Manager – Ben Sansom (Arctium)

Desk Study

A desk study will collate all reports and data associated with climate, the cloud forest and mist capture; including a review of reports written by the Centre for Ecology and Hydrology in 1997, 2001 and 2002 associated with catchment management and catchment mist and flax clearing studies. A literature review of invasive species and endemic species will evaluate their potential water demand. It will also evaluate the results of the recently commissioned UK Met Office climate change review of the OT's.

Data will be reviewed by means of visits to CEH and Kew in the UK and the ANRD library on St Helena.

To be completed by Arctium with support from CEH and Kew (as project stakeholder).

Baseline Field Assessment

1. Botanical survey – to confirm assemblage of endemic and invasive species and coverage (EMD). Includes an evaluation of field survey data collected by the Darwin Plus project, securing St Helena's rare cloud forest trees and associated invertebrates (DPLUS029);
2. Aerial survey – by use of a drone to compliment the botanical survey and assist in identification of potential environmental monitoring locations (Arctium, EMD);
3. Water features survey – to confirm location of springs, streams, water control structures, stand pipes, boreholes etc. (Connect, Arctium);
4. Digital Terrain Model, GIS and remote sensing – creation of a DTM for each sub-catchment and interpretation of soil moisture, geology, soil cover and vegetation mapping data (EMD, Arctium);
5. Identification of 3 locations for installation of portable meteorological stations to measure rainfall, temperature, barometric pressure, relative humidity, wind speed and direction, (Connect, Arctium).

Environmental Monitoring

1. Final design of monitoring network based upon baseline field assessments (Arctium, Connect, EMD, CEH). The network will be optimised to compliment the National Environmental Monitoring Network (NEMN) being established by EMD, which has been funded by the Darwin Plus Environmental Baseline Monitoring project (DPLUS020). The NEMN is also mandated by Saint Helena's draft Environmental Protection Ordinance;
2. Installation of meteorological stations, Tiny-Tag relative humidity data loggers, pressure transducers & data loggers (spring level, groundwater level etc.) and weirs (Connect, Arctium, EMD);
3. Monthly monitoring of water levels and flows and quarterly download of data from meteorological stations and data loggers for a minimum of 12 months (Connect, EMD).

Interpretation of Data

1. Collation and graphing of all water level and flow data - trend analysis (Arctium, Connect);
2. Collation of meteorological data and comparison with long term data sets from Bottom Woods meteorological station (Arctium, CEH);
3. Sub-catchment water balance (Arctium, CEH, Connect);

4. Determine relationships between micro-climate, vegetative cover (abundance of endemic plants vs invasive species) and ground conditions (Arctium, CEH).

Reporting

1. Annual and half year project reporting to Darwin Plus (Arctium, Connect);
2. Final report (Arctium, CEH, EMD, Connect).

19. How does this project:

- a) Deliver against the priority issues identified in the assessment criteria
- b) Demonstrate technical excellence in its delivery
- c) Demonstrate a clear pathway to impact in the OT(s)
(500 words max)

The project delivers against priority issues as it addresses:

- a) Effects of climate change (security of water supply);
- b) Sustainable development of water supplies (challenge of climate change + increased island population);
- c) Valuing ecosystem services (cloud forest restoration and sustainable water supply vs invasive species);
- d) Developing an ecosystem-based initiative for the conservation and sustainable use of the terrestrial environment;
- e) Supports invasive species management by restoring cloud forest – links a sustainable water supply with stewardship of the islands terrestrial environment; and
- f) Develops and environmental monitoring data set to support water resource management and habitat management.

The project also delivers national goals for the effective management of the environment and for the first time links the value of conservation to a local, basic human need. The project also delivers Objective G of SHG NEMP, ‘Ensure...quantity and quality of potable water supplies address the needs of the population.’

A project of this kind has never been undertaken on the island. A soil moisture project completed by CEH in 2001 assessed water demand of endemic plants and invasive species within and near to the sub-catchment areas proposed in this project using a neutron probe. However, CEH had insufficient budget and time to complete a water balance in the catchment or monitor local surface and groundwater.

The proposed project uses standard water industry equipment and techniques to collect and interpret water resource data. Its innovation lies in linking the security of a basic need with terrestrial habitat restoration and management. The most technically challenging aspect will be to complete accurate vegetation surveys and provide access to monitoring areas of the sub-catchments due to the challenges of the islands topography. This is why an aerial survey will be used alongside remote sensing data to enhance information gathered on the ground. Achieving an accurate water balance will also be a challenge as the project will only be able to collect a seasons worth of data.

Accurately quantifying the water demand from endemic and invasive species will also be a challenge – hence the use of several tiny-tag relative humidity loggers within each sub-catchment to compliment the portable meteorological stations. It is anticipated that the relative humidity data can be used to further quantify relative differences in water demand from the mix of invasive and endemic species in each catchment. CEH and Kew (as steering committee member) will provide technical support.

The projects legacy will be to establish a baseline where the endemic cloud forest is seen as an essential part of the islands water security infrastructure to deliver clean, sustainable water supply. It can provide inspiration and leadership to other OT(s), demonstrating how the terrestrial environment can be managed through planned restoration to support commercial endeavours and meet a basic human need, whilst addressing climate change pressures. The project will also provide an enhanced GIS and remote sensing capability and water and environment skills set in Connect and EMD.

20. Who are the **stakeholders** for this project and how have they been consulted (include local or host government support/engagement where relevant)? Briefly describe what support they will provide and how the project will engage with them. (250 words max)

Ben Sansom (Arctium) is outgoing Head of EMD for Saint Helena Government and identified this topic with stakeholders before returning to the UK in August 2015. Water security, habitat restoration and climate change are high island priorities and the project links these together, to identify sustainable solutions to a number of major strategic and national issues.

Key stakeholders are Saint Helena Government, Connect Saint Helena, Kew and CEH.

All stakeholders contributed to project planning through telephone calls, meetings and email communication. Section 18 demonstrates the engagement of stakeholders in the project. The project outline was also agreed with Saint Helena (SH) National Trust and SH Nature Conservation Group, who will join the steering committee.

Saint Helena Government will lead the project as it meets several strategic national goals. However, it is recognised that staff are highly utilised on other projects, hence the engagement of Arctium to deliver a significant proportion of the project.

Connect Saint Helena is the island's utility company, responsible for water (potable and waste) and energy. Securing a long term, low cost, reliable water supply is a major goal for Connect and ensuring this happens in a sustainable way is critical to ensuring the island establishes its credentials as an eco-tourism destination. Connect is responsible for delivering a secure water supply and will provide office space, staff time and strategic leadership.

CEH and Kew will serve on the steering committee and provide access to data, information, expertise and provide desk space for project partners.

21. Institutional Capacity: Describe the implementing organisation's capacity (and that of partner organisations where relevant) to deliver the project.
(500 words max)

Saint Helena Government

Saint Helena Government will lead the project via the Environment and Natural Resources Directorate (ENRD), which is responsible for the Environmental Management Division (EMD).

It is recognised that EMD ecology and environmental monitoring staff are highly utilised delivering other Darwin Plus projects, whilst also supporting the development of the islands airport. EMD ecology and environmental monitoring staff time will be minimised to ensure these other projects are not impacted and will principally provide access to data, equipment and points of contact with other government departments. Field time will be limited to an average of 1 day per month for data collection and a 2 week period to support the botanical survey. Recruitment of 2 new environment officers in 2016 will further reduce pressure on EMD staff resources.

In kind support will be provided by:

- Two terrestrial ecology and environmental monitoring staff; and
- Office space, administrative, HR, IT and logistical infrastructure.

Connect Saint Helena

Connect is responsible for the islands water supply. In kind support will be provided by:

- Field staff and the strategic water management team;
- Office space, IT and logistical infrastructure.

The Connect team lead on water resource data collection on the island. The team also plan and implement the islands 20 year water resource master plan and are responsible for all water related infrastructure development on the island (including design and construction of a new £1M island-wide water treatment network).

Staff will support the monthly and quarterly collection of surface water and groundwater data, alongside

meteorological data in each sub-catchment. Staff will also provide historic water demand and water resource data for the sub-catchments to compliment the new data sets.

Arctium

Arctium is a new environmental consultancy started by Ben and Ceri Sansom who are former EMD employees. Ben has over 22 years international experience working in the water and environment industry as a hydrogeologist and environment manager and is outgoing Head of EMD, whilst Ceri has over 15 years experience as a pollution and climate change consultant (most recently working as Climate Change and Pollution Officer in EMD). Ben has most recently completed the drafting of the new Environmental Protection Ordinance and updated environment elements of the islands 2014-2017 Sustainable Development Plan.

Arctium will provide the following project support:

- Project management support on behalf of Saint Helena Government;
- Water resource and climate change technical services;
- Environmental monitoring network design and field services;
- Water balance, interpretation and project reporting.

Centre for Ecology and Hydrology

CEH have significant experience in water resource management and climate change, and most recently supported a Darwin Fellowship on Saint Helena, evaluating the potential for carbon sequestration in the Gumwood forest. CEH will provide:

- Technical support;
- Assess to office space and archive data.

APPLICANTS SEEKING £100,000 OR OVER SHOULD PROCEED TO QUESTION 26

22. Expected Outputs

Output (<i>what will be achieved e.g. capacity building, action plan produced, alien species controlled</i>)	Indicators of success (<i>how we will know if its been achieved e.g. number of people trained/ trees planted</i>)	Status before project/baseline data (<i>what is the situation before the project starts?</i>)	Source of information (<i>where will you obtain the information to demonstrate if the indicator has been achieved?</i>)
1.			

23. Expected change: How will each of the outputs contribute to the overall outcome of the project? (100 words max)

24. Main Activities

Output 1	
1.1	

25. Risks

Description of the risk	Likelihood the event will happen (H/M/L)	Impact of the event on the project (H/M/L)	Steps the project will take to reduce or manage the risk

APPLICANTS SEEKING LESS THAN £100,000 YOU MAY SKIP QUESTION 26

26. LOGICAL FRAMEWORK

Darwin Plus projects will be required to report against their progress towards their expected outputs and outcome if funded. This section sets out the expected outputs and outcome of your project, how you expect to measure progress against these and how we can verify this.

Project summary	Measurable Indicators	Means of verification	Important Assumptions
Impact: Climate change and increasing population are managed effectively to enable a sustainable water supply and restoration of the fragile cloud forest habitat.			
Outcome: Demonstrate that restoring the cloud forest will increase harvested rainfall and meet the islands water demand, whilst improving climate change resiliency and significantly increase habitats for endemic plants and invertebrates.			
	0.1 Desk study. 0.2 Collection of microclimate data. 0.3 Botanical survey of each sub-catchment. 0.4 Water balance. 0.5 Reporting and outline cloud forest restoration plan.	0.1 Completion of desk study and reporting of outcomes. 0.2 Field collection and interpretation of meteorological data. 0.3 Field data collection and interpretation of botanical data. 0.4 Field data collection and interpretation of hydrology, hydrogeology, meteorological and botanical data to calculate balances. 0.5 Reporting of restoration plan in final project report.	Access is made available to literature archives and data sources. Topography is accessible. Equipment can be shipped to island in good time to allow a minimum 12 months data collection. Equipment performs reliably to collect remote datasets. Procurement process enable the timely purchase of project equipment.
Outputs: 1. Desk Study - to collate archive data.	1.1 Visit Kew and CEH in the UK to collate desk based data. 1.2 Desk based assessment of ANRD archive in the Scotland library on Saint Helena. 1.3 Desk study report.	1.1 Collated reports and data sets from Kew and CEH. 1.2 Collated reports data sets from ARND library. 1.3 Completion of desk study report.	Reports and data sets are available to assess a baseline and determine key mechanisms for cloud forest rainfall harvesting.
2. Baseline Field Assessment	2.1 Completion of botanical surveys. 2.2 Completion of remote sensing/aerial surveys. 2.3 Water features survey	2.1 Drafting of maps, GIS layers, reporting of field activities. 2.2 Drafting of maps, video and photo's of aerial surveys.	Topography allows access by foot into each sub-catchment to verify aerial survey data. Drone performs well and does not suffer

		2.3 Water features survey report.	technical problems. Remote sensing data is available from SHG and other identified open source data providers (NASA, SMAP).
3. Environmental Monitoring	<p>3.1 Installation of hydrology and hydrogeology monitoring locations.</p> <p>3.2 Installation of meteorological monitoring equipment and relative humidity loggers in both sub-catchments.</p> <p>3.3 Collection of meteorology data in the sub-catchments and a control catchment.</p> <p>3.4 Monthly and quarterly monitoring of surface water and groundwater levels and flows and meteorological/micro-climate data.</p>	<p>3.1 and 3.2 Monitoring location maps and data sheets.</p> <p>3.3 and 3.4 Maps, spreadsheets and associated charts showing data collected.</p>	<p>Topography allows access to monitoring locations by foot.</p> <p>Equipment is procured and shipped to Saint Helena in time to meet project programme.</p> <p>All equipment performs well and does not suffer technical problems.</p> <p>Remote monitoring equipment does not suffer power loss (trickle charge batteries via solar PV).</p> <p>Pressure transducer calibration does not drift.</p>
4. Interpretation of Data	<p>4.1 Calculation of water balances from collated water level, flow, meteorological and botanical survey data.</p> <p>4.2 Interpretation of water balances – identify trends and/or relationships between micro-climate, vegetative cover and ground conditions.</p>	<p>4.1 Reporting of sub-catchment hydrology, hydrogeology, meteorology and botanical survey data.</p> <p>4.2 Reporting of sub-catchment water balances and interpretation of the relationships/trends.</p>	<p>Sufficient data can be collected to calculate a water balance.</p> <p>Meteorological data and vegetation survey are of sufficient resolution to differentiate between sub-catchments.</p>
5. Reporting	<p>5.1 Collation of all desk based and field data.</p> <p>5.2 Interpretation of data and desk based data and reporting of an outline restoration plan.</p>	<p>5.1 Draft final report.</p> <p>5.2 Final section of draft final report. Outline cloud forest restoration plan to support water supply and terrestrial conservation objectives.</p>	<p>All data and reporting is completed within the 24 month project programme.</p> <p>Sufficient data and identification of trends/relationships to draft an outline restoration plan.</p>

Activities (each activity is numbered according to the output that it will contribute towards, for example 1.1, 1.2 and 1.3 are contributing to Output 1)
1.1, 1.2 and 1.3 contribute to Output 1. Output 1 is required to evaluate existing information and data associated with cloud forest rainfall harvesting on Saint Helena.
2.1, 2.2 and 2.3 contribute to Output 2. Output 2 is required to confirm the coverage of endemic and invasive species in each sub-catchment, define each sub-catchment through mapping and the digital terrain model and complete a survey of the sub-catchments hydrological and hydrogeological features.
3.1, 3.2, 3.3 and 3.4 contribute to Output 3. Output 3 is required for the collection of micro-climate and water resource data sets.
4.1 and 4.2 contribute to Output 4. Output 4 is required to quantify each water balance and determine differences between each sub-catchment quantify any differences in micro-climate between the sub-catchments and interpret the trends/relationships.
5.1 and 5.2 contributes to Output 5. Output 5 is the main project report and provides an outline restoration plan for the cloud forest to support water supply and terrestrial conservation objectives.

27. Sustainability: How will the project ensure benefits are sustained after the project has come to a close? If the project requires ongoing maintenance or monitoring, who will do this? (200 words max)

The sub-catchments have been selected as they are key water supply catchments for the island. Connect monitor outflows downstream of the catchments, so the additional monitoring locations would compliment this monitoring network and be added into the existing Connect monitoring network.

EMD will support Connect and incorporate key project monitoring points into the NEMN. This monitoring network has been established to measure changes in key environment indicators which have been identified in the 2014-2017 Sustainable Development Plan. The draft Environmental Protection Ordinance which is currently out for consultation also makes it mandatory for EMD to report on the State of the Environment on an annual basis, which is informed by interpreting data collected from the NEMN.

28. Open access: All outputs from Darwin Plus projects should be made available on-line and free to users whenever possible. Please outline how you will achieve this. (200 words max)

Outputs form the project will be made available on-line on Connect Saint Helena and Saint Helena Governments web sites. Long term data will be published in the annual State of the Environment report and placed on the Saint Helena Government web site.

The project data will also be made available on the SAERI IMS-GIS portal.

29. Monitoring & Evaluation: How will the project be monitored and who will be responsible? Will there be any independent assessment of progress and impact? When will this take place, and by whom? (250 words max)

The project will be implemented as a partnership between Saint Helena Government, Connect, Arctium and CEH. An MOU will be drawn up and will document the obligations of all parties for successful delivery of the project. Saint Helena Government and Arctium will co-ordinate the budget and monitor deliverables against timeframes on a quarterly basis ensuring all project partners are on track for completing their specific requirements under the project outputs. Regular communications with representatives from each project partner will be conducted with the host country, and the project manager will be responsible for reporting to Darwin as stipulated.

The project will be managed in accordance with Saint Helena Government's business management system and will be externally audited.

The project completion report is after the project is over and is linked to the final payment.

30. Financial controls: Please demonstrate your capacity to manage the level of funds you are requesting. (Who is responsible for managing the funds? What experience do they have? What arrangements are in place for auditing expenditure?)

All project funding will be routed through the Saint Helena Government accounts section which operates under audited accounting procedures.

All monies will be placed into a designated account and have a designated financial officer to ensure finances/budgets are monitored.

The Project lead will have an overview of the entire project and will regularly monitor the budget. Items purchased in the host country will be bought through the Saint Helena Government procurement process which has strict guidelines for ensuring value for money and transparency. An independent auditor will audit expenditure.

Please complete the separate Excel spreadsheet which provides the Budget for this application. Some of the questions earlier and below refer to the information in this spreadsheet. If you are requesting over £100,000 from Darwin Plus, you must complete the full spreadsheet.

31. Value for Money

Please explain how you worked out your budget and how you will provide value for money through managing a cost effective and efficient project. You should also discuss any significant assumptions you have made when working out your budget. (200 words max)

The experience of the team delivering projects on Saint Helena and delivering and budgeting similar projects have allowed this project budget to be based on realistic costs. Based upon available information, travel costs to Saint Helena will be no less expensive than the RMS, however the use of the airport (to be opened in February 2016) will allow project partners to reduce travel time and save on total project costs. The island shipping service will be reduced to a 6 week service, extending the time to ship goods to the island. It is anticipated that all field equipment can be air-freighted to island on one of the weekly flights.

The matched funding contributed by project partners and use of equipment and data associated with other ongoing Darwin projects (DPLUS020, DPLUS029) ensures excellent value for money against total project costs. The external partners bring experiences and best practices from elsewhere to ensure St. Helena can adopt world-leading approaches to climate change adaptation and water resource management.

32. 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

	Activity	No of Months	Year 1												Year 2												
			A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	
Output 1	Desk Study																										
1.1	Data collation at CEH and Kew	2																									
1.2	ANRD data collation	1																									
1.3	Reporting	2																									
Output 2	Monitoring Network and Baseline Data Collection																										
2.1	Vegetation surveys in sub-catchments	3																									
2.2	Remote sensing and aerial surveys	3																									
2.3	Installation of surface water and groundwater monitoring equipment	2																									
2.4	Monthly and quarterly monitoring or surface water and groundwater – minimum 12 months	16																									
Output 3	Microclimate Assessment																										
3.1	Installation of meteorological monitoring equipment																										
3.2	Collection of meteorology data over a minimum 12 months	16																									
3.3	Collection of humidity data from tiny-tags over a minimum of 12 months	16																									
Output 4	Water Balance and Interpretation																										
4.1	Water balance calculation	4																									
4.2	Interpretation of water balance	3																									
Output 5	Reporting and Outline Restoration Plan																										
5.1	Collation and interpretation of data	10																									
5.2	Report and outline restoration plan	8																									

CERTIFICATION

On behalf of

Saint Helena Government

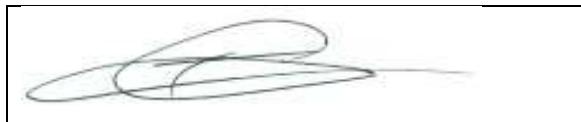
I apply for a grant of £123,356 in respect of **all expenditure** to be incurred during the lifetime of this project based on the activities and dates specified in the above application.

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.

- I enclose CVs for key project personnel and letters of support.
- I enclose the most recent 2 years of signed and audited/independently verified accounts.

Name (block capitals)	TREVOR GRAHAM
Position in the organisation	DIRECTOR ENVIRONMENT AND NATURAL RESOURCE DIRECTORATE

Signed



Date:

21.09.15

If this section is incomplete the entire application will be rejected. You must provide a real (not typed) signature. You may include a pdf of the signature page for security reasons if you wish. Please write PDF in the signature section above if you do so.

Application Checklist for submission

	Check
Have you read the Guidance Notes?	Yes
Have you checked the Darwin Plus website immediately prior to submission to ensure there are no late updates?	Yes
Have you provided actual start and end dates for your project?	Yes
Have you provided your budget based on UK government financial years i.e. 1 April – 31 March and in GBP?	Yes
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?	Yes
Has your application been signed by a suitably authorised individual? (clear electronic or scanned signatures are acceptable in the email)	Yes
Have you included a 1 page CV for all the key project personnel?	Yes
Have you included a letter of support from the applicant organisation, main partner(s) organisations and the relevant OT Government?	Yes
Have you included a copy of the last 2 years' annual report and accounts for the lead organisation?	Yes

Once you have answered the questions above, please submit the application, not later than midnight **2359 GMT Monday 21 September 2015** to Darwin-Applications@itsi.co.uk using the first few words of the project title **as the subject of your email**. 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 (e.g. whether the e-mail is 1 of 2, 2 of 3 etc). You are not required to send a hard copy.

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 Darwin Plus. Application form data will also be held by contractors dealing with Darwin Plus 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 (i.e. name, contact details and location of project work) on the Darwin Initiative and Defra/FCO/DFID 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 Governor's Offices outside the UK, 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.