

Applicant: **Meade, Melissa**
Organisation: **Department of Disaster Management, Government of Anguilla**
Funding Sought: **£267,984.00**

DPR7P\100066

Improving coastal ecosystem resilience to climate change in Anguilla

PRIMARY APPLICANT DETAILS

Name	Melissa
Surname	Meade
Website	
Tel (Work)	
Email (Work)	
Address	

Section 1 - Contact Details

PRIMARY APPLICANT DETAILS

Name Melissa
Surname Meade
Website
Tel (Work)
Email (Work)
Address

GMS ORGANISATION

Type	Organisation
Name	Department of Disaster Management, Government of Anguilla
Phone (Work)	
Email (Work)	
Website (Work)	
Address	

Q3. Lead organisation type

Please select one of the below options.

OT Government

Section 2 - Title, Dates & Budget Summary

Q4. Project title

Q5. Project dates

Start date:

01 April 2019

End date:

31 March 2020

Duration (e.g. 2 years, 3 months):

3 years

Q6. UKOT(s)

(See Guidance Notes)

Which UK Overseas Territory(ies) will your project be working in? You may select more than one UKOT from the options below.

Anguilla

* if you have indicated a territory group with an asterisk, please give detail on which territories you are working on here:

No Response

In addition to the UKOTs you have indicated above, will your project directly benefit any other country(ies)? If so, list here.

No Response

Q7. Budget summary

Year:	2019/20	2020/21	2021/22	Total request
Q7a. Request from Darwin:	£98,733.00	£69,512.00	£99,739.00	£ 267,984.00

Q7b. Proposed (confirmed and unconfirmed) co-financing as % of total project cost 146,914

Section 3 - Lead Organisation Summary

Q8. Lead organisation summary

Please provide the following information on the lead organisation

What year was your organisation established/ incorporated/ registered?	2006
What is the legal status of your organisation?	<input checked="" type="radio"/> Government
How is your organisation currently funded?	The Department of Disaster Management is funded through the Government of Anguilla's operating budget.
Have you provided the requested signed audited/independently examined accounts? If you select "yes" you will be able to upload these. Note that this is not required from Government Agencies.	<input checked="" type="radio"/> No

Please provide details:

The Department of Disaster Management is a Government Agency.

Q9. Has your organisation been awarded Darwin Initiative funding before (for the purposes of this question, being a partner does not count)?

No

If 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.

Contract/Project 1 Title	Enhancing the national disaster management system of Anguilla through training and public outreach
Contract Value/Project budget (include currency)	
Duration (e.g. 2 years 3 months)	5 months (December 2013 – April 2014)
Role of organisation in project	Project Lead - responsible for project development, implementation, monitoring, evaluation, and reporting

Brief summary of the aims, objectives and outcomes of the project

The initiative sought to strengthen the national disaster management system through training and public outreach by addressing the effectiveness of persons within their roles within the NEOC (national emergency operations centre) and response capacity limitations at the work place and community levels.

The awareness program targeted the identified capacity gaps through increased mediums of awareness and education which hindered effective comprehensive disaster management mainstreaming; and capacity limitations at the community and national levels focusing on the five main natural hazards that affect Anguilla – hurricane, tsunami, earthquake, flood and drought.

The grant allowed for the enhancement of the response capability and capacity of the NEOC and Department of Disaster Management by

- NEOC sensitisation
- NEOC exercised
- CERT training (48 trained)
- First Aid training (167 Government workers trained)
- Development and airing of hazard tips
- Public Education and Awareness
 - o Design of Contingencies (tv and radio program)
 - o Tips developed and translated in Spanish
 - o Play written
 - o 'Ready' song written and recorded
 - o CERT banner produced and kits purchased

Client/independent reference contact details (Name, e-mail, address, phone number)

Contract/Project 2 Title

Department of Disaster Management

Contract Value/Project budget (include currency)

Duration (e.g. 2 years, 3 months)

One year (January 2016 –December 2016)

Role of organisation in project

Implementer

Brief summary of the aims, objectives and outcomes of the project

To strengthen the national response mechanism for improved national coordination and response among emergency responders and enhance the community resilience for DRR and CCA implementation. Key achievements and outcomes include the production of a play 'Shelter from the Storm'; added components to the early warning system (automatic weather station and sirens); training in areas such as (EOC operations, Business continuity, mass casualty, oil spill response).

Client/independent reference contact details (Name, e-mail, address, phone number)

Contract/Project 3 Title

Department of Disaster Management

Contract Value/Project budget (include currency)

Duration (e.g. 2 years, 3 months)

One year (January 2017 –December 2017)

Role of organisation in project

Implementer

Brief summary of the aims, objectives and outcomes of the project.

The overall goal is to ensure that a Culture of safety is displayed in the actions of the entire society through the promotion of sustainable development and encouraged climate adaptation and risk and vulnerability reduction. To integrate comprehensive Disaster management (CDM) into national policies, laws, and strategies. The key achievement was the approval of the CDM policy, the Anguilla Warning System Policy and Emergency Communications Plan. In addition a review was undertaken of the existing legislation and draft regulations and suggestions for improvements for a draft bill were submitted to the Attorney General Chambers.

Work was done to strengthen the capacity of the national disaster management committee by undertaking a review of the existing structure and mechanisms in place. Roles were redefined and the Terms of Reference redefined. Approval was given for the recommendations.

Client/independent reference
contact details (Name, e-mail,
address, phone number).

Section 4 - Project Partners

Q10. Project partners

Please list all the partners involved (including the Lead Organisation) 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 partners to be involved in the project, and how local institutions, local communities, and technical specialists are involved as appropriate.

Please provide written evidence of partnerships. Please add fields for more partnerships, if required. Details on roles and responsibilities in this project must be given for the Lead Organisation and all project partners.

N.B. There is a file upload button at the bottom of this page for the upload of all letters of support.

Lead Organisation name: Department of Disaster Management, Government of Anguilla

Details (including roles and responsibilities and capacity to engage with the project):

DDM is a GOA Department within the Deputy Governor's Office. With a staff complement of six, including 2 staff with degrees in fields related to disaster management as well as communications, DDM has twelve years of institutional experience in: disaster policy, plan, and legislation development and advancement; environmental management; scientific research and technology development; risk reduction, mitigation; and education. Additional principal roles of DDM include coordinating disaster prevention and response action, chairing the National Disaster Management Committee, and mainstreaming risk reduction in communities. DDM has already-established relationships with GOA Departments across Ministries, non-governmental organisations, as well as the private sector and communities throughout Anguilla.

Director of DDM, Ms Melissa Meade, will act as Project Leader. With assistance from the ANT Project Coordinator, she will oversee all aspects of this project, from project implementation to project evaluation and reporting. With over thirteen years experience in meteorology, environmental hazards, and disaster management and risk reduction in the Caribbean, she has led a successful national tsunami ready campaign and has overseen the development of Anguilla's Comprehensive Disaster Management Policy.

The DDM team will also assist Ms Meade by providing assistance in financial management, project implementation, and dissemination of communications materials.

Have you included a Letter of Support from this organisation? Yes

Do you have partners involved in the Project?

Yes

The limit for any single file uploaded as supporting materials with your application is 6MB. Please ensure documents are saved in PDF form where possible in order to minimise size.

1. Partner Name: Department of Environment, Government of Anguilla

Website address: www.gov.ai/doe/

Details (including roles and responsibilities and capacity to engage with the project):

DOE has ten years of institutional experience and forty years of project management, monitoring, and evaluation experience. DOE has six staff members trained across many disciplines, including; biodiversity conservation, climate change, coastal and environmental engineering, environmental management, pollution, and agriculture. A majority of staff is trained to the Master's level and have experience in executing environment-related projects. As part of DOE's in-house training programme, staff are kept current with new developments in the environmental field. Through natural resource management and biodiversity research in Anguilla, DOE staff are also equipped with essential skills required for ecosystem management. Through good working relationships with national, regional and international agencies, DOE has completed a wide range of projects successfully, including:

- 2011-2012: Terrestrial habitat mapping for Anguilla (£X)
- 2011-2012: Wetlands Ecosystem Assessment (£X)
- 2012-2013: Marine habitat mapping for Anguilla (£X)
- 2013-2014- Lionfish Response Strategy Project for Anguilla (£X)
- 2012-2013: Anguilla National Ecosystem Assessment – A Foundation for Green Economy (£X)
- 2013-2014: Environmental Economics (£X)
- 2017-2018: Anguilla Energy Audit Project (USD X)

DOE will assist with coastal ecosystem restoration action planning and implementation, sit on the Project Steering Committee, and provide project management oversight, monitoring, and evaluation.

Have you included a Letter of Support from this organisation? Yes

Do you have more than one partner involved in the Project?

Yes

2. Partner Name: Anguilla National Trust

Website address: www.axanationaltrust.org

Details (including roles and responsibilities and capacity to engage with the project):

The ANT is Anguilla's only environment non-governmental organisation and has five main work areas work: wetlands and terrestrial habitat and species conservation; marine and coastal habitat and species conservation; protected areas management; cultural heritage promotion and preservation; and education and stewardship. The ANT brings 30 years of experience in natural resources conservation experience and has strong partnerships with Government of Anguilla Ministries and Departments as well as international environmental organisations.

The ANT will be one of the main project implementation partners on Anguilla, with ANT staff and a research associate (with a doctorate), providing on-the-ground capacity to implement project activities including one full-time staff member dedicated to this project. The ANT will be a member of the Project Steering Committee, will be involved in project monitoring and evaluation, and will assist with the coordination of national, cross-territory, and sub-regional workshops and meetings.

With a full-time staff complement of seven, the ANT has a track record of successfully implementing both small (>GBP X) and large (>GBP X) projects (including Darwin Plus as a lead [DPLUS 013]) and as a partner ([DPLUS 060 and 007]).

Have you included a Letter of Support from this organisation?

Yes

3. Partner Name:

Royal Society for the Protection of Birds

Website address:

www.rspb.org.uk

Details (including roles and responsibilities and capacity to engage with the project):

The RSPB's overarching strategic ambition for the UK Overseas Territories is structured through a focus on species; sites, policy, and capacity development. It has experience in working with the Anguilla National Trust on habitat and species conservation projects (including as a project partner on DPLUS013 and as an advisor on DPLUS060). Lyndon John serves as the UKOT - Officer Caribbean with responsibility for conservation project management, policy and technical capacity building with conservation agencies in the UKOTs of Anguilla, the BVIs and Montserrat. He brings a wealth of regional experience in conservation management and planning to the role of external advisor to this project through participation on the Project Steering Committee and the review of technical reports. He also brings significant experience in developing climate change vulnerability assessments for Saint Lucia and Dominica and in the preparation of national climate change reports to UNFCCC for this small island developing states.

Have you included a Letter of Support from this organisation? Yes

4. Partner Name: *No Response*

Website address: *No Response*

Details (including roles and responsibilities and capacity to engage with the project): *No Response*

Have you included a Letter of Support from this organisation? Yes
 No

5. Partner Name: *No Response*

Website address: *No Response*

Details (including roles and responsibilities and capacity to engage with the project): *No Response*

Have you included a Letter of Support from this organisation? Yes
 No

6. Partner Name: *No Response*

Website address: *No Response*

Details (including roles and responsibilities and capacity to engage with the project): *No Response*

Have you included a Letter of Support from this organisation? Yes
 No

If you require more space to enter details regarding Partners involved in the Project, please use the text field below.

No Response

Please provide letters of support from the lead organisation and all partners as a combined PDF.

📄 **DDM - DPLUS - coastal resilience - letters of support**

📅 03/09/2018

🕒 15:38:20

📄 pdf 1.91 MB

Section 5 - Project Staff

Q11. Project staff

Please identify the core staff on this project, their role and what % of their time they will be working on the project.

These should match the names and roles in the budget spreadsheet.

Please provide 1 page CVs for these staff.

Name (First name, Surname)	Role	% time on project	CV attached below?
Melissa Meade, MSc	Project Leader	20	Checked
Damian Barker, BSc	Project Support	15	Checked
Nishara Payne	Project Administrator	25	Checked
Louise Soanes, PhD	Project Coordinator	33	Checked

Do you require more fields?

Yes

Name (First name, Surname)	Role	% time on project	CV attached below?
Tashim Fleming	Project Field Staff	50	Checked
Giovanni Fleming	Project Field Staff	50	Checked
Clarissa Lloyd	Data Management Specialist	50	Checked
Kimberly Gumbs	Administrative Manager	10	Checked
Farah Mukhida, MES	Project Advisor	25	Checked
Sharmer Fleming, Masters with Distinction in Climate Change Impacts and Sustainability	Conservation Officer	20	Checked

Carencia Rouse, MSc	Conservation Officer	20	Checked
Lyndon John, MSc	External Project Advisor	5	Checked

Please provide 1 page CVs (or job description if yet to be recruited) for the Project staff listed above as a combined PDF. Ensure CVs clearly correspond to the named individual and role above.

The limit for any single file uploaded as supporting materials with your application is 6MB. Please ensure documents are saved in PDF form where possible in order to minimise size.

📄 **DDM - DPLUS - coastal resilience - CVs**

📅 01/09/2018

🕒 02:32:12

📄 pdf 217.89 KB

Have you attached all Project staff CVs?

Yes

Section 6 - Background & Methodology

Q12. Summary of Project

Please provide a brief summary of your project, its aims, and the key activities you to undertake. Please note that if you are successful, this wording may be used by Defra in communications e.g. as a short description of the project on GOV.UK. Please bear this in mind, and write this summary for a non-technical audience.

Anguilla's coastal habitats have suffered severe degradation in recent years, and were severely impacted by 2018 hurricane season. This project uses coastal habitat vulnerability assessments and an ecosystem modelling approach to identify and prioritise key coastal habitats for restoration activities to increase the resilience of Anguilla's natural coastal assets to extreme weather events induced by climate change. Restoration activities will be led by a collaborative partnership between communities, governmental and nongovernmental organisations ensuring support and sustainability of project activities.

Q13. 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?

In 2017, Anguilla experienced the worst hurricane in recorded history. While most of the catastrophic damage associated with Hurricane Irma was to infrastructure, many of Anguilla's coastal ecosystems were significantly affected, with those already degraded due to human activities faring the worst.

Studies indicate that intense hurricanes that were once expected every hundred years are predicted to occur more frequently; as ocean temperatures rise, hurricanes are expected to move more slowly and storm events will change with more rain, leading to increased flooding, erosion, and wind damage. Anguilla's coastal ecosystems and natural capital play a significant role in limiting damage caused by climate-change induced extreme weather events and predicted sea-level rise while also protecting coastal infrastructure.

Previous modelling work in Anguilla has identified key coastal areas at risk and identified opportunities to maximise impact of mitigation action. Building on this work, this project identifies priority sites for restoration and re-establishes degraded coastal ecosystems through government- and community-driven action.

By responding to, and mitigating against, the impacts of natural disasters and conserving and restoring critical coastal ecosystems, this project supports the implementation of Anguilla's Climate Change Policy (2012), National Environmental Management Strategy (2005), and National Biodiversity Strategy and Action Plan (2009).

Q14. Methodology

Describe the methods and approach you will use to achieve your intended Outcome 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.

This project focuses on Anguilla (Figure 1, Annex 1).

The main project implementation team is comprised of Project Leader (Director of DDM) and focal points from each partner organisation, including the ANT Project Coordinator. A Steering Committee comprising of additional representatives from Environment Systems, other national relevant stakeholder groups, and the Royal Society for the Protection of Birds as an external advisor, will meet quarterly to monitor and evaluate project progress and to address concerns and issues.

This project has three main outputs:

Methods for Output 1 include:

- (1) Collecting post-Hurricane Irma ecosystem data, and assessing the status and resilience of key habitats on the Anguilla mainland to future climate change impacts using, best practice ecosystem monitoring protocols.
- (2) Strengthening of existing vulnerability and climate change models for Anguilla by including new, detailed bathymetric data.
- (3) Creating a map of restoration areas and identifying level of required restoration action to improve ecosystem resilience by overlaying results of ecosystem data collection and ecosystem modelling.
- (4) Top five coastal sites prioritised for restoration action based on the results derived from the modelling and mapping.

Methods for Output 2 include:

- (1) Implementing conservation action plans at the five most vulnerable coastal locations identified. Actions taken will be based on best practice resilience building restoration methods¹⁻⁴ informed by ecosystem data collection and modelling results (Output 1) and, will be developed and implemented through stakeholder partnerships. Restoration activities may include:
 - a. Restoring mangroves
 - b. Restoring sand dunes
 - c. Re-forestation high-risk erosion sites
- (2) Establishing best practice, monitoring protocols for the five most vulnerable sites to measure action impact and allow for adaptive site management.

Methods for Output 3 include:

- (1) Developing a transparent, adaptable and repeatable methodological modelling framework, as a product which can be shared with other UKOTs, to help them understand the dynamics of key Caribbean natural

coastal resources and to demonstrate to policy makers the importance of coastal habitats.

(2) Implementing national education strategies to improve general understanding of coastal ecosystem functions as the first line of defense against climate change impacts, using traditional and social media, presentations, meetings, and action planning workshops.

(3) Enhancing national capacity of natural resource managers and Anguillian coastal communities to plan, implement, and monitor conservation action plans. Resource managers will be trained in vulnerability assessment modelling while knowledge, skills, and lessons learned will be shared within the region through cross-territory/island workshops.

(4) Lobbying policy makers to enact and enforce laws and regulations to protect important, at-risk ecosystems.

Baseline data/ground-truthing will be collected/conducted by the staff of DDM and ANT, with ANT leading on coordinating stakeholder-informed and -led ecosystem restoration action. Environment Systems will lead on vulnerability modelling, mapping, and training of natural resource managers in modelling and analysis. DOE will assist with implementation of restoration action plans while DPP and DLS will facilitate restoration activities by providing necessary permits and will take part in public awareness activities and advocacy, training opportunities, and project monitoring and evaluation. Coastal communities will be engaged in action implementation and monitoring.

If necessary, please provide supporting documentation e.g. maps, diagrams etc., using the File Upload below.

The limit for any single file uploaded as supporting materials with your application is 6MB. Please ensure documents are saved in PDF form where possible in order to minimise size.

📄 **DDM - DPLUS - coastal resilience - annexes**

📅 31/08/2018

🕒 15:44:00

📄 docx 393.11 KB

Section 7 - Objectives, Stakeholders & Sustainability

Q15. Project Objectives

How does this project:

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

This project contributes to Darwin Plus priorities:

- Responding to, and mitigating against, the impacts of natural disasters on the OTs and conservation, restoration, and wise use of wetlands: through increasing national understanding of climate change impacts on coastal communities and ecosystems and increasing coastal resiliency to climate change through restoration action (including restoration of wetlands).

This project addresses and advances aspects of national legislation and policies:

- Anguilla Climate Change Strategy; Anguilla Comprehensive Disaster Management Policy; National Biodiversity Strategy and Action Plan; and the Environmental Management Strategy by: improving natural resource managers and decision makers' capacity to carry out mitigation and adaptation planning;

gathering and collating data on activities that impact conservation and sustainability; supporting the use of science and research to inform decision making; and building local capacity to address climate change impacts through training and the exchange of information.

This project also helps to achieve multilateral agreements/commitments:

- 2030 Agenda Sustainable Development Goals 11, 13, and 15 and the climate goals of the Paris Agreement by: using science and modeling projections to identify sites most vulnerable to climate change and to inform conservation action, climate change mitigation strategies national policies and plans; strengthening local efforts to safeguard the Islands natural coastal heritage through targeted action (to increase coastal resilience to climate change and natural disasters).

Technical excellence

This project is a collaborative initiative amongst GOA Departments, NGOs (ANT, RSPB), the Anguillian community, and the private sector (Environment Systems). It draws on the collective knowledge and experience of natural resource managers, national land use planners, and scientists who have proven track records in project development, implementation, and monitoring as well as public engagement and policy development. All partners have long-standing working relationships and this project builds particularly upon the outputs from DPLUS022 that led to the creation of and baseline ecosystem vulnerability modelling (completed by ES in collaboration with the DOE). Technical support is provided by ES who are currently leading DPLUS081 "Mapping for evidence based policy, recovery and environmental resilience", and the RSPB which is currently involved in a DPLUS073-"Improving small-island resilience" coastal resiliency project in the British Virgin Islands.

Pathway to impact

This project is locally- owned and-managed and it's contribution to increasing coastal resiliency to climate change and natural disasters is tangible: it involves the development and implementation of practical restoration measures that have been identified collaboratively by national and international stakeholders. By the project end at least five coastal sites will show increased resiliency to climate change. All project partners will be involved in project monitoring and evaluation and will benefit from training opportunities available through the project. Fieldwork will be conducted by national project partner staff as well as by Anguillian coastal community members, Coastal community members, and particularly young people, will also be engaged in surveys, assessments and ecosystem restoration activities ensuring community support and engagement which will help to achieve this project's impact. M&E is integrated into all major activities, including evaluating project impacts on national competencies.

Q16. Project Stakeholders

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.

Project partners collaboratively developed this inter-ministerial project through a series of consultations and meetings. Through relevant Departments, the Governor's Office (responsible for disaster) endorses this project, the Ministry of Social Development (responsible for physical planning and lands), and the Ministry (Minister and the Department of Environment) with responsibility for environment have provided letters of support. Coastal ecosystem resiliency is recognised at the highest levels of Government and natural resource and technical agencies are project partners. Ministers and Permanent Secretaries will be engaged through discussions, presentations, and site visits throughout the project.

Anguilla's primary economic driver is tourism. With most elements of the tourism industry focused on the coast, climate change and natural disasters pose a serious risk to the industry. The Anguilla Hotel and

Tourism Association, as the representative body of hotels, villas, and restaurants, has been consulted about this project and will be engaged through meetings, workshops, presentations, and restoration action, (as determined by the restoration action plans).

Anguillian coastal communities (including young people) and the Anguilla Red Cross (which has experience and assists with community vulnerability assessments and disaster response) will be engaged through public awareness activities as well as directly within ecosystem restoration activities.

Project information and results will also be disseminated to UKOT colleagues who will also be invited to participate in an end-of-project workshop to share experiences, discuss lessons learned, and promote and support similar project activities within the region.

Reports, training manuals, and other project publications will be shared amongst national and international stakeholders.

Q17. Institutional Capacity

Describe the lead organisation's capacity (and that of partner organisations where relevant) to deliver the project.

DDM's mission is to provide an integrated emergency management system that coordinates public, community, and private resources to protect lives, property and environment through all disaster cycle phases from all natural and man-made hazards. DDM programmes focus on five main outcomes: strengthened capacity of NDMC to implement comprehensive disaster management (CDM); enhanced NECO system for improved coordination and response; disaster risk reduction (DRR) integrated into key sectors; community resilience enhanced for DRR and CCA implementation; CDM integrated into national policies, laws, strategies, and MER. With a staff complement of six, all field staff are trained in cost-benefit analysis, environmental hazards and disaster management, business continuity, logistics management, business administration, computer science. DDM is involved in improved hurricane resilience including through early warning, improved hazard monitoring (seismic, hydrometeorological). DDM is responsible for the implementation of Anguilla's National Disaster Management Strategy and Policy. Ms Meade (Masters in Environmental Strategy), has over thirteen years experience in meteorology, environmental hazards, disaster management, and risk reduction and seven years leading DDM (and cross-agency) projects.

DDM will be supported by DOE as a project partner and Department of Physical Planning and Department of Land and Surveys as supporters. These government agencies have mandates related to the sustainable use of Anguilla's coastal resources. DOE has a track record in leading, implementing, and partnering on DPLUS projects including DPLUS022. DOE's six staff members have training in a range of disciplines (including biodiversity conservation, climate change, coastal and environmental engineering) that will support project aspects related to research, restoration action and monitoring, and stakeholder engagement.

The ANT is a statutory body established by the GOA in 1988. ANT has seven full-time staff, over 100 members, and 25 active volunteers. The organisation is Anguilla's largest and most active environmental organisation. ANT's mandate is to assess, restore, and conserve Anguilla's natural and cultural heritage. ANT is engaged in ecosystem monitoring, species monitoring and reintroductions, offshore cay restoration initiatives, and raising environmental awareness. The organisation is part of the Caribbean Conservation Network, a network of Caribbean UKOT National Trusts. ANT has been involved in three previous DPLUS-funded projects: DPLUS013, DPLUS060, and DPLUS007.

The RSPB has supported long-term conservation initiatives in Anguilla, including the management of species recovery protected areas management, and assisting with institutional capacity building. Lyndon

John, RSPB UKOT-Caribbean Officer, who has worked directly with the ANT over the last six years, will sit on the Steering Committee and provide advice on project development, implementation, monitoring, and evaluation.

Environment Systems (ES) is an environmental data company that delivers bespoke advice and solutions for land management, monitoring, and policy as well as accessible data insights from satellite earth observations. ES has partnered with agencies in Anguilla over the last five years on a range of projects including NEA and Vulnerability modelling. ES has completed a DPLUS project to map Anguilla's marine zone and building this information into the models will greatly enhance their accuracy and usefulness for prioritising action to enhance coastal resilience. ES will be contracted to complete required modelling work.

Q18. 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 and how will it be funded?

This collaborative project enhances already-established partnerships and networks and will achieve tangible conservation actions that improve the resiliency of Anguilla's critically important coastal ecosystems. Through inter-agency training and project implementation and monitoring, technical skills and knowledge is shared and national capacity to implement coastal restoration actions and adaptively manage coastal ecosystems is built. By involving coastal communities in restoration action design and implementation, local buy-in to project impact, outcomes, and outputs is fostered.

This project builds on existing baseline data and modelling results, filling data gaps and enhancing vulnerability models to enable practical action. Existing networks with other UKOT environmental agencies and International NGOs already engaged in similar work in the region will be accessed when necessary. ES will provide training in interpretation of modelling results and vulnerability analyses of Anguilla's coral reefs to inform future in-water restoration action.

On-going monitoring of restored coastal sites will be integrated into project partner work plans and training stakeholders and volunteers in survey methods, monitoring, and coastal ecosystem restoration builds long-term national capacity.

All project partners are committed to the continued development of inter-agency partnerships and using vulnerability modelling results and project activity impacts to inform future coastal development action, protection, and planning.

Section 8 - Funding and Budget

Q19. Budget

Please complete the appropriate Excel spreadsheet, which provides the Budget for this application. Some of the questions earlier and below refer to the information in this spreadsheet. Note that there are different templates for projects requesting over and under £100,000 Darwin Plus budget

- **R7 D+ Budget form for projects under £100,000**
- **R7 D+ Budget form for projects over £100,000**

Please refer to the Finance Guidance for Darwin and IWT for more information.

N.B.: Please state all costs by financial year (1 April to 31 March) and in GBP. Budgets submitted in other currencies will not be accepted. Use current prices – and include anticipated inflation, as appropriate, up to 3% per annum. The Darwin Initiative cannot agree any increase in grants once awarded.

↓ [DDM-darwin-plus-round7-budget-over-100k-coastal resiliency-FINAL](#)

📅 31/08/2018

🕒 18:24:32

📄 xls 122.5 KB

Q20. Co-financing

Are you proposing co-financing?

Yes

Secured

Provide details of all funding successfully levered (and identified in the Budget) towards the costs of the project, including any income from other public bodies, private sponsorship, donations, trusts, fees or trading activity, as well as any your own organisation(s) will be committing.

(See "[Finance for Darwin & IWT](#)" and the "[Guidance for Applicants](#)" documents)

This project has secured co-financing.

Source: Department of Disaster Management, through its operational budget

Amount: GBP X

Co-financing provided by DDM will support staff costs and office overhead costs (office space and supplies).

Source: Department of Environment, through its operational budget

Amount GBP X

Co-financing provided by the DOE will support staff costs.

Source: Anguilla National Trust, through its operational budget (funded by a Government of Anguilla subvention) and a small grant (GBP X) provided by a member of the ANT

Amount: GBP X

Co-financing provided by the ANT will support staff costs, office overhead costs (office space and supplies), and other costs (data monitoring sheets, some monitoring equipment).

Source: Royal Society for the Protection of Birds, through its operational budget

Amount: GBP X

Co-financing provided by the ANT will support the involvement of Lyndon John's participation in the Project Steering Committee (project monitoring and evaluation) as well as the review of project output reports and Darwin Plus project reports.

Unsecured

Provide details of any co-financing where an application has been submitted, or that you intend applying for during the course of the project. This could include co-financing from the private sector, charitable organisations or other public sector schemes.

Date applied for	Donor Organisation	Amount	Currency code	Comments
No Response	No Response	No Response	No Response	No Response
No Response	No Response	No Response	No Response	No Response
No Response	No Response	No Response	No Response	No Response
No Response	No Response	No Response	No Response	No Response

Please give brief details including when you expect to hear the result. Please ensure you include the figures requested in the Budget Spreadsheet as Unconfirmed funding.

Not applicable as co-financing is secured.

Do you require more fields?

No

Section 9 - Financial Controls, Value for Money & Open Access

Q21. 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?

Overall financial control will be the responsibility of Ms Melissa Meade (DDM), who will be responsible for managing the funds, supported by the administrative staff of DDM/GOA. Melissa Meade has considerable experience in running projects of this nature, with over NUMBER years of experience managing (including financial oversight of) NUMBER projects on Anguilla.

Quarterly statements of expenditure will be produced and compared against the budget and ensure that spending is in line with expectation. These will be checked bi-annually by the Project Steering Group. All project accounts will be audited by the GOA Auditor General; DDM has the support of the Government of Anguilla Treasury Department and Auditor General to assist with accounting and auditing.

Efficient financial oversight will be maintained by using a single project cost code, allowing monthly statements to be compiled by the GOA.

Q22. Financial Management Risk

Explain how you have considered the risks and threats that may be relevant to the success of this project, including the risks of fraud or bribery.

Currency fluctuations, especially those related to Brexit, may weaken the value of the pound sterling, making good and services (often provided in US dollars) more expensive. In response to this risk,

procurement processes will ensure best value for goods purchased and services secured. Field equipment will be purchased in Year 1 of the project; this should reduce the impact of currency fluctuations for the remainder of the project period. Should the value of GBP drop dramatically during the project, project partners will address the issue with Darwin and seek to raise funds elsewhere if necessary.

DDM is guided by the Financial Administration and Audit Act (2010) which outlines how funds are managed, reported, and audited. The Chief Auditor is responsible for auditing GOA accounts. A Royal Anguilla Police Force Financial Crimes Investigation Unit is responsible for independently investigating any charges of fraud and bribery.

The GOA uses SmartStream, a computerised accounting software to record and track income and expenditure. For payments to be made from GOA accounts, two approved signatories (the Head of the Department requesting the payment) and the Treasury Department's Payment Approval Officer must sign off on payment requests regardless of value.

Q23. 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.

This project represents excellent value for money, bringing together government and non-government stakeholders as partners in coastal ecosystem management and enhancing coastal ecosystems resilience. This project combines cross-agency resources, expertise, and networks and leverages substantial in-kind support. Project partners are committed to continuing to work together to increase Anguilla's resiliency to climate change and natural disasters; methods, action plans, and skills developed through this time-bound project will be applied post-project.

The project budget has been developed based on ES's experience in undertaking similar projects in the Caribbean UKOTs, discussions with UKOT colleagues on those islands which are currently implementing ecosystem resiliency initiatives, and through local partner experiences in conducting fieldwork.

Workshop costs have been calculated based on experiences of DDM and local partners in organising and facilitating similar events while staffing salaries are based on national accepted averages.

This project takes advantage of the ANT's network of volunteers and supporters as well as coastal community support for this project: restoration activities will utilise national manpower, with international consultants and advisors building local capacity through knowledge and skill sharing as much as possible. A multi-media public awareness campaign will run alongside this project to ensure that all stakeholder groups are reached.

Q24. Outputs of the project and 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 and detail any specific costs you are seeking from Darwin Plus to fund this.

All outputs will be made freely available online whenever possible. Vulnerability model maps will be made available through a newly designed GOA/DOE web portal. Coastal resiliency action plans will be developed collaboratively and will be publicly-owned. In addition to the action plans being made available through the GOA website, hard or electronic versions will also be disseminated to any individual that contacts DDM or local partner agencies directly. The availability of these documents will be publicised through press

releases, stakeholder meetings, and regional listservs (Caribbean Conservation Association; IUCN-Caribbean; BirdsCaribbean; Caribbean Civil Society for Sustainable Development).

Scientific papers generated through this project will be published within Open Access journals, at a cost of GBP1,000 per publication, which we are seeking Darwin Plus financial support; all other means of making outputs available on-line and free to users will be at no direct cost to the project.

Q25. Safeguarding

See Guidance Note 3.7

Projects funded through Darwin Plus must fully protect vulnerable people all of the time, wherever they work. In order to provide assurance of this, we would like projects to ensure they have the appropriate safeguarding policies in place. Please check the box to confirm you have relevant policies in place at that these can be available on request.

Checked

Section 10 - Logical Framework

Q26. 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.

Annex D and Annex E in the Guidance Notes provides helpful guidance on completing a logical framework, including definitions of the key terms used below.

Impact:

Enhanced understanding amongst local communities and national decision-makers of the importance and value of restoring and increasing Anguilla's resilience to climate change and natural disasters.

Project Summary

Measurable Indicators

Means of Verification

Important Assumptions

Outcome:

Improved coastal ecosystem resilience and protection through collaborative evidence-based conservation action planning, restoration action, and policy development

0.1 Comprehensive conservation action plans for Anguilla's most at-risk coastal ecosystems: wetlands (mangroves), beaches, sand dunes, coastal hillsides and coral reefs developed

0.2 At least five restoration actions outlined in conservation action plans are implemented by end of project

0.3 Work plans and budgets of the responsible national agency and supporting partners demonstrate intention and ability to continue implementing action plans beyond the life of this project

0.4 Through collaborative work with natural resources managers and conservation officers, at least 30 residents of Anguilla capacity in to manage coastal ecosystems is improved by the end of the project

0.1 Conservation action plans for each of the coastal ecosystems of concern are produced

0.2 Vulnerability, scenario and opportunity maps and evaluation reports

0.3 Institutional work plans, staff work plans, institutional budgets

0.4 Trainer's reports, self-assessment using competency framework

Project outputs are met as outlined

Output 1:

Prioritisation of coastal ecosystems (coral reefs, sand dunes, beaches, mangrove forests, and coastal hillsides) that are most vulnerable to the impacts of climate change (including extreme weather events) and that have the greatest restoration capacity through the application of a robust modelling procedure

1.1 Existing vulnerability and climate change models for Anguilla strengthened to include newly available detailed bathymetric data by Q3Y1

1.2 Coastal areas most at risk to extreme weather events and climate change-driven disasters are identified from data revealed in vulnerability and climate change models by Q3Y1

1.3 Scenario modelling used to identify the opportunities for site-specific ecosystem mitigation and restoration actions and, the level of action required to maximise value for money by end of Q4Y1

1.4 Top five sites prioritised for restoration action based on the results derived from the modelling and mapping by end of Q4Y1

1.1 Coastal ecosystem vulnerability models; climate change models; habitat assessment data records

1.2 Coastal ecosystem vulnerability maps

1.3 A series of vulnerability and opportunity maps showing the impacts and range of mitigation and restoration actions for the coastal ecosystems of concern

1.4 Site prioritisation matrix; site priority list

Field activities can be re-scheduled if affected by hurricanes, tropical storms, or severe sea swells

Output 2:

Implementation of climate change models and stakeholder-informed conservation action plans

2.1 Four stakeholder meetings to review results of vulnerability models and to develop site-specific mitigation and restoration action plans in Q4Y1

2.2 Stakeholder-informed conservation action plans developed and implemented to restore identified priority sites by end of Q4Y2

2.3 Monitoring protocols developed for measuring impact of mitigation and restoration action at priority sites by end of Q2Y2, and implemented during the remainder of Y2, Y3 and beyond

2.1 Stakeholder meeting attendance sheets; conservation action plans developed for the coastal ecosystems of concern

2.2 Landscaping diagrams; plant inventory for each identified site; site photos (before and after habitat restoration)

2.3 Ecosystem monitoring protocols; time-elapse photo series for each priority site; biodiversity and site monitoring datasheets and database

Field activities can be re-scheduled if affected by extreme weather events

National and regional stakeholders continue to willing cooperate on habitat and resiliency initiatives

Output 3: Enhancement of national and regional capacity to understand small island vulnerability to climate change and to undertake actions to increase resiliency	3.1 Public awareness campaign plan developed by Q2Y1 and implemented throughout project	3.1 Communications and public awareness plan; newspaper articles; social media; radio press releases; PowerPoint presentations; community meeting presentations; minutes of meetings; leaflets; billboards	Trained expertise remains in Anguilla
	3.2 At least 75% of a random sample of 300 residents of Anguilla know about the project and understand why coastal ecosystems are important	3.2 Random sample pre- and post-project awareness survey report; newspaper articles; social media posts; radio press releases; PowerPoint presentations; leaflets; billboards; social media analytics	Improved knowledge/ access to knowledge leads to improved habitat conservation
	3.3 At least 30 residents of Anguilla gain advanced technical skills and experience in developing conservation action plans and implementing key actions by end of project	3.3 Training evaluation sheets; training workshop agenda; workshop attendance sheet; monitoring protocol; self-assessments	GOA continues to conduct public consultations regarding draft legislation and legislative amendments
	3.4 Project methods and lessons learned disseminated regionally and internationally by end of project	3.4 Case studies; presentation abstracts; PowerPoint presentations; UKOT meeting agenda; UKOT meeting attendance sheet	Planning Applications continue to be circulated to government and statutory bodies for comments
	3.5 Results of modelling and mitigation and restoration action used to inform development of comments on draft legislation, policies, and strategies throughout the project period	3.5 Project lead and partner comments on national plans and bills	
	3.6 Results of modelling and mitigation action used to inform partners' comments on Planning Applications	3.6 Project and lead partner comments on Applications for Planning Permission	

Output 4:	<i>No Response</i>	<i>No Response</i>	<i>No Response</i>
<i>No Response</i>			

Output 5:*No Response**No Response**No Response**No Response*

Do you require more Output fields?**It is advised to have less than 6 Outputs since this level of detail can be provided at the Activity level.** No**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. Each new activity should start on a new line.**

1.1 Collate existing and any new coastal ecological and vulnerability data (for example biodiversity assessments, habitat assessments), including the new highly detailed bathymetry data collected in DPLUS045 to inform coastal ecosystem vulnerability models

1.2 Update coastal ecosystem vulnerability models and develop scenario and opportunity maps to identify coastal priority sites for mitigation and restoration action

1.3 Use scenario models to identify the extent of mitigation and restoration action required to ascertain the desired ecosystem resiliency levels

2.1 Identify additional site-specific stakeholders for each priority site, based on the results of Activities 1.1 through 1.3

2.2 Hold stakeholder meetings to review and verify the results of vulnerability models

2.3 Develop stakeholder-informed site-specific mitigation and restoration action plans based on Activities 1.2 and 1.3

2.4 Establish nursery for native coastal vegetation seedlings

2.5 Review and implement best practice methodologies to increase resilience of coastal ecosystems at five priority sites identified by stakeholders through Activity 2.1 and 2.2

2.6 Develop and implement monitoring protocols for restored coastal ecosystems

3.1 Develop public awareness campaign plan

3.2 Implement public awareness campaign plan and monitor its effectiveness using pre- and post-public awareness campaign random sample surveys and data analytics tools

3.3 Undertake training of natural resource managers in ecosystem resiliency modelling

3.4 Provide in-field training to coastal community members in coastal ecosystem mitigation and restoration protocols and methods by natural resource members

3.5 Hold Caribbean UKOT meeting to review project results, lessons learned, and opportunities for replication

3.6 Publicise and report on project progress and results through the Darwin platform, stakeholders' engagements, radio programmes and the newspaper

3.7 Advocate for climate change-informed policies, legislation, and decision-making

Other Project Management activities:-

X.1 Project inception meeting

X.2 Quarterly Project Steering Committee meetings

X.3 Project biannual reports/ donor technical and financial reports

X.4 Monthly financial accounts

Section 11 - Implementation Timetable

Q27. Provide a project implementation timetable that shows the key milestones in project activities

Please complete the Excel spreadsheet linked below to describe the intended workplan for your project.

Darwin Plus Implementation Timetable

Please add columns to reflect the length of your project.

For each activity (add/remove rows as appropriate) indicate the number of months it will last, and fill/shade only the quarters in which an activity will be carried out.

Once you have completed your implementation timetable please upload it using the file upload tool below.

📄 [DDM- DPLUS - coastal resilience - implemen
tation timetable](#)

📅 31/08/2018

🕒 15:42:47

📎 xls 37.5 KB

Section 12 - Monitoring and Evaluation

Q28. Monitoring and evaluation (M&E) plan

Describe, referring to the Indicators above, how the progress of the project will be monitored and evaluated, making reference to who is responsible for the project's M&E.

Darwin Initiative projects are expected to be adaptive and you should detail how the monitoring and evaluation will feed into the delivery of the project including its management. M&E is expected to be built into the project and not an 'add' on. It is as important to measure for negative impacts as it is for positive impact.

All project partners, led by Ms Melissa Meade, will be responsible for ensuring that the project is on schedule and is monitored. The project will also be overseen by a Project Steering Group that will comprise the principles from each project partner agency as well as independent expert, Mr. Lyndon John (UKOTs Officer-Caribbean, RSPB). The independent member will be objective in assessing and evaluating the progress of the project against the specified indicators, timelines, and budget. The Project Steering Group will meet at the start of the project and quarterly thereafter, a progress report will follow each Steering Group meeting. Additional meetings to discuss specific aspects of project components will be called when necessary.

As part of the monitoring and evaluation process of this project, the Project Steering Group will create and follow the M&E plan which will include M&E of project performance and project impact.

M&E of project performance. Performance monitoring will focus on management and oversight of project

activities in an effort to ensure and improve efficiency and effectiveness of project implementation. As an on-going process, information on project activity implementation will be compared to those scheduled within the work plan in order to assess delivery of project outputs, identify problems and constraints, make recommendations on how to improve delivery, and identify lessons learned. Progress reports and project implementation reviews will compile quarterly.

M&E of project impact. Project impact will also be an on-going process with key indicators (identified within the logframe by Output) being reviewed and assessed. A M&E matrix will be created to guide project result and impact evaluation and will be informed by data collected throughout the project. As part of the project's M&E process, and integrated into the M&E plan, project partners, led by the ANT, will ground-truth data being used to inform the coastal resiliency vulnerability models (Output 1) by undertaking biodiversity and habitat monitoring and ecosystem assessments using standardised monitoring protocols. All project partners and community stakeholders will also review the results of those models through a rigorous consultation process facilitated by the DDM. Similarly, the results of coastal ecosystem restoration measures (Output 2) identified and implemented following vulnerability modelling and community consultation will be monitored using established standardised protocols by project partners. The success and usefulness of training exercises and exchange of knowledge (Output 3) will be assessed through questionnaires of those taking part before and after training has been undertaken. Scientific outputs (Output 3) will also be rigorously assessed through the peer-review process during publication. Effectiveness of public awareness activities (Output 3), particularly social media awareness activities, will be measured using data analytics tools (e.g. Ving), and community questionnaires conducted at the start and end of the project.

The M&E plan will allow for adaptive and iterative project management: we recognise that challenges and uncertainty exist and that steps may need to be taken to ensure success both within the context of the project but also in the long-term.

Number of days planned for M&E	30.00
Total project budget for M&E (this may include Staff and Travel and Subsistence Costs) (£)	
Percentage of total project budget set aside for M&E (%)	7.00

Section 13 - Certification

Certification

On behalf of the

company

of

Department of Disaster Management, Government of Anguilla

I apply for a grant of





£267,984.00

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 applicant institution to submit applications and sign contracts on their behalf.)

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

Checked

Name	Melissa Meade
Position in the organisation	Director
Signature (please upload e-signature)	 MMeade-Signature  31/08/2018  18:29:38  jpg 6.76 KB
Date	03 September 2018

Section 14 - Submission Checklist

Checklist for submission

	Check
I have read the Guidance documents, including the "Guidance Notes for Applicants" and "Finance Guidance".	Checked
I have read, and can meet, the current Terms and Conditions for this fund.	Checked
I have provided actual start and end dates for this proposed project.	Checked
I have provided a budget based on UK government financial years i.e. 1 April - 31 March and in GBP.	Checked
I have checked that the budget is complete, correctly adds up and have included the correct final total at Q7.	Checked
The application has been signed by a suitably authorised individual.	Checked
I have included a 1 page CV for all the Project staff (listed at Q11) on this project, including the Project Leader.	Checked

I have included a letter of support from the applicant organisation, main partner(s) organisations and the relevant OT Government.	Checked
I have uploaded a signed copy of the last 2 years annual report and accounts for the lead organisation, or provided an explanation if not.	Checked
I have checked the Darwin Plus website immediately prior to submission to ensure there are no late updates.	Checked
I have read and understood the Privacy Notice on GOV.UK.	Checked

We would like to keep in touch! Please check this box if you would be happy for the lead applicant (Flexi-Grant Account Holder) and project leader (if different) to be added to our mailing list. Through our mailing list we share updates on upcoming and current application rounds under the Darwin Initiative, Darwin Plus and our sister grant scheme, the IWT Challenge Fund. We also provide occasional updates on other UK Government activities related to biodiversity conservation and share our quarterly project newsletter. You are free to unsubscribe at any time.

Unchecked

Data protection and use of personal data

Information supplied in this application form, including personal data, will be used by Defra as set out in the latest copy of the Privacy Notice for Darwin, Darwin Plus and the Illegal Wildlife Trade Challenge Fund available **here**. This Privacy Notice must be provided to all individuals whose personal data is supplied in the application form. Some information, but not personal data, may be used when publicising the Darwin Initiative including project details (usually title, lead organization, location, and total grant value) on the GOV.UK and other websites.

Information relating to the project or its results may also be released on request, including under the 2004 Environmental Information Regulations and the Freedom of Information Act 2000. However, Defra will not permit any unwarranted breach of confidentiality nor will we act in contravention of our obligations under the General Data Protection Regulation (Regulation (EU) 2016/679).