Applicant: **Mukhida, Farah**
Organisation: **Anguilla National Trust**
Funding Sought: **£49,768.00**

DPLR1\1041

Establishing digital data tools for enhanced conservation management and policy-making

The Anguilla National Trust (ANT) is the most active environmental conservation agency in Anguilla and the only not-for-profit nongovernmental organisation focused on species and habitat conservation and protection. With a mandate to protect, conserve and promote Anguilla's heritage, the ANT has made a concerted effort to adopt an evidence-based approach to natural heritage management, ensuring that decisions are data-driven and objective. When data is deficient, we apply the precautionary approach and identify and create avenues, opportunities and mechanisms to fill data gaps. By applying this approach, we have generated and continue to collect a significant amount of data. While the ANT has grown in terms of staff complement and have increased our technical capacity to monitor, implement and manage conservation programmes, we are still a small team that is directly reliant on external grants to cover 70% of our operations and it is therefore critical that we collect and analyse data in the most efficient way to make use of limited time, finances and resources.

This project seeks to streamline environmental data collection, management and decision-making through the development and application of digital data collection tools that will improve overall cost-efficiency and conservation management effectiveness.

The ANT's work includes ecological monitoring of vulnerable, endangered and at-risk species and spaces, including (but not limited to):
- Invasive alien species (IAS) removals [1]);
- Biosecurity monitoring post-IAS eradication (e.g. monitoring to ensure species do not reinvade and guide immediate response to incursions)
- Monitoring species and habitat recovery to inform progressive conservation interventions [2,3]);
- Rewilding habitats (e.g. monitoring survival of out-planted seedlings, and site-specific ecological conditions [4]).

Beyond using data to support on-the-ground natural resources management, data also inform our comments and recommendations on environmental impact assessments as well as policy and legislative change, which has led to the formal protection of species (seven reptiles, one plant) [2]. Data also guide our land acquisition priorities and protected area designation of crown-owned lands) [5]. We also collect social data, particularly as it relates to public opinions and understanding of the natural environment to guide both high-level policy and public outreach efforts.

The value of data in applied, adaptive conservation is undeniable. But using and applying data as it is now is constrained: data is currently collected in the field using paper and pen which needs to be uploaded to Access databases. Data is currently accessible on only specific laptops, hard drives and/or operating systems, making analysis cumbersome and time-consuming. Through this project, we will create real-time, intuitive, integrated data management systems that use technology-based approaches to inputting, analysing, accessing, understanding, and presenting data. More specifically, this project will:
1. Develop a secure website/portal to allow for the inputting, analysis, and presentation of data;
2. Create an associated mobile application that allows for data to be directly inputted in the field that works off-line (especially critical for work on Anguilla's offshore cays).

Supporting the development of these two platforms, we will create and apply monitoring systems using emerging (but tested) technology for enhanced priority biodiversity monitoring and conservation action:
3. Establish a Caribbean UKOT-first artificial intelligence (AI) acoustic pipeline for biodiversity monitoring, supporting pollinator conservation efforts and biosecurity monitoring on Anguilla's offshore cays;
4. Pilot an AI facial recognition system for Lesser Antillean iguanas Iguana delicatissima to inform a regional approach to increasing population genetic resilience;
5. Establish an aerial monitoring system to support species and habitat monitoring, conservation action, and policy development on the Anguilla mainland and offshore cays (including marine parks).

Lessons learned and/or systems developed will be shared with colleagues both in Anguilla and across the Caribbean UKOTs.

CONTACT DETAILS

Name	Farah
Surname	Mukhida
Tel (Work)	[redacted]
Email (Work)	[redacted]
Address	[redacted]

DPLR1\1041

Establishing digital data tools for enhanced conservation management and policy-making

Section 1 - Project Title & Contact Details

Q1. Project Title

Establishing digital data tools for enhanced conservation management and policy-making

Q2. Please select whether you are applying as an organisation or as an individual **(Guidance section 3 and Guidance Glossary)**

⦿ Organisation

CONTACT DETAILS

Name	Farah
Surname	Mukhida
Tel (Work)	[redacted]
Email (Work)	[redacted]
Address	[redacted]

GMS ORGANISATION

Type	**Organisation**
Name	Anguilla National Trust
Phone (Work)	[redacted]
Email (Work)	[redacted]
Address	[redacted]

Section 2 - Overseas Territory(ies)

Q3. Overseas Territory (Guidance section 1.3):

Which UK Overseas Territory(ies) will your project be working in? Please note that in case of a non-permanent resident population you need to demonstrate a clear, meaningful, long-term link to the territory.

☑ 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 UKOT(s) you have indicated, will your project directly benefit any other UK OT(s) or country(ies)?

⦿ No

Section 3 - Project Partners

Q4. Project partners (Guidance section 3.2)

In this section, please give details of all the partners involved (including the Lead Partner) and provide a summary of their roles.

Project Leader name (Guidance section 3.1):	Farah Mukhida
Lead Partner name (if applying as an organisation; Guidance section 3.1):	Anguilla National Trust
Lead Partner Website (if applicable):	www.axanationaltrust.com
Is the Lead Partner based in a UKOT where the project is working (Guidance section 3.1)?	⦿ Yes
List other partners involved and where are they based (Guidance section 3.2):	UK Centre for Ecology and Hydrology (UKCEH), United Kingdom

Summary of roles and responsibilities of each partner in the project:	The ANT will lead the project and have overall responsibility for the implementation of this project. The ANT, however, will work closely with project partner UKCEH and project consultants (British Trust for Ornithology - UK, Zoologue Capacitaire – Martinique, bat expert Mr. Baptiste Angin – Guadeloupe, and Marine Spatial Information Solutions Inc. - US), providing on-the-ground capacity to collect data as well as to pilot and apply data conservation tools. ANT staff will receive training in data conservation tool application and maintenance (including of the data portal, acoustic pipeline, AI facial recognition software, and how to use drones for biological monitoring). The ANT will lead on project results sharing with national, Caribbean UKOT, and international colleagues. The ANT will also be a member of the Project Steering Committee which will oversee project monitoring, evaluation and reporting. UKCEH will lead on the development of a web-based data portal and the supporting online/offline mobile application to enable in-field data collection regardless of WIFI connection. UKCEH will build local capacity by providing training on how to use the data portal and the field-based application as well as how to create new forms for the mobile application (and portal) for future biodiversity monitoring. UKCEH will be a member of the Project Steering Committee and will assist with project results dissemination.
I confirm that all listed partners are aware of this application and have indicated support:	Checked

Attach a Cover Letter for your application (Guidance section 4.2).

- Cover Letter-Anguilla National Trust
- 07/02/2023
- 04:26:53
- pdf 121.43 KB

Section 4 - Project Summary & Description

Q5. Project Summary (Guidance section 3.8)

Please provide a brief summary of your project. This may be used in communication activities and/or published online, if your application is successful.

Data forms the basis of evidence-based approaches to biodiversity conservation, connecting development of conservation strategies with monitoring of impacts of strategy implementation. But data must be accessible and data management must be responsive to on-going and emerging biodiversity conservation needs, including those of natural resource managers, policy- and decision-makers and resource users.

This project streamlines environmental data collection, monitoring, management and decision-making

through the development and application of digital data collection tools that will improve cost-efficiency and conservation management effectiveness.

Q6. Description (Guidance section 2.1)

Please provide a description of your project, including:

- **the overall objective**
- **the current situation and the problem the project is trying to address**
- **what success will look like and how you will measure it**

Please be as specific as possible when describing the project, using quantified data and evidence where available. You may wish to consider: what are the specific threats to the environment that the project will attempt to address, and what should we know about these threats? What does your successful project look like? And how will you demonstrate whether and how your project has been successful?

The Anguilla National Trust (ANT) is the most active environmental conservation agency in Anguilla and the only not-for-profit nongovernmental organisation focused on species and habitat conservation and protection. With a mandate to protect, conserve and promote Anguilla's heritage, the ANT has made a concerted effort to adopt an evidence-based approach to natural heritage management, ensuring that decisions are data-driven and objective. When data is deficient, we apply the precautionary approach and identify and create avenues, opportunities and mechanisms to fill data gaps. By applying this approach, we have generated and continue to collect a significant amount of data. While the ANT has grown in terms of staff complement and have increased our technical capacity to monitor, implement and manage conservation programmes, we are still a small team that is directly reliant on external grants to cover 70% of our operations and it is therefore critical that we collect and analyse data in the most efficient way to make use of limited time, finances and resources.

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The ANT's work includes ecological monitoring of vulnerable, endangered and at-risk species and spaces, including (but not limited to):
• Invasive alien species (IAS) removals [1]);
• Biosecurity monitoring post-IAS eradication (e.g. monitoring to ensure species do not reinvade and guide immediate response to incursions)
• Monitoring species and habitat recovery to inform progressive conservation interventions [2,3]);
• Rewilding habitats (e.g. monitoring survival of out-planted seedlings, and site-specific ecological conditions [4]).

Beyond using data to support on-the-ground natural resources management, data also inform our comments and recommendations on environmental impact assessments as well as policy and legislative change, which has led to the formal protection of species (seven reptiles, one plant) [2]. Data also guide our land acquisition priorities and protected area designation of crown-owned lands) [5]. We also collect social data, particularly as it relates to public opinions and understanding of the natural environment to guide both high-level policy and public outreach efforts.

The value of data in applied, adaptive conservation is undeniable. But using and applying data as it is now is constrained: data is currently collected in the field using paper and pen which needs to be uploaded to Access databases. Data is currently accessible on only specific laptops, hard drives and/or operating

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5. Establish an aerial monitoring system to support species and habitat monitoring, conservation action, and policy development on the Anguilla mainland and offshore cays (including marine parks).

Lessons learned and/or systems developed will be shared with colleagues both in Anguilla and across the Caribbean UKOTs.

(Optional) Please upload any additional and supporting materials or files (such as maps of project sites, etc) below. Maximum of 5 pages:

Digital Conservation - R1-DPlus-Local-Supporting-information
07/02/2023
04:28:32
pdf 151 KB

Section 5 - Project Outcome(s)

Q7. Project Outcome(s) (Guidance section 1.2)

Successful Darwin Plus Local projects must demonstrate measurable outcomes in at least one of the themes of Darwin Plus, either by the end of the project or soon after through a credible plan.

Please tick which theme(s) of Darwin Plus your project underpins:

Unchecked	**Biodiversity: improving and conserving biodiversity, and slowing or reversing biodiversity loss and degradation;**
Unchecked	**Climate change: responding to, mitigating and adapting to climate change and its effects on the natural environment and local communities;**
Unchecked	**Environmental quality: improving the condition and protection of the natural environment**

Checked	**Capability and capacity building: enhancing the capacity within OTs, including through community engagement and awareness, to support the environment in the short- and long-term.**

Please justify your selection.

This project will increase and support national capability to monitor Anguilla's biodiversity and evaluate the effectiveness of conservation interventions through cost-effective digital conservation platforms and enhanced technical skills (Outcome 1). These improved data management systems will provide the necessary mechanisms for effective and efficient sharing of data to enable adaptive and iterative evidence-based decision-making and action planning and implementation as it relates to the natural environment in addition to scientifically-informed policy and legislation.

Section 6 - Project Timeline

Q8. Project timeline (Guidance section 2.2)

Please provide anticipated dates for the start and end of your planned project here. Please use the Darwin Plus Local Project Implementation Timetable Template (which can be downloaded below) to provide a list of the individual activities you have planned for this project, a brief description of what each activity entails, and the months in which the activities will be carried out. If the project involves only one activity (e.g. a purchase), please still provide project start and end dates (noting estimated times for procurement). Please note that your project will need to be completed by 31 March 2024.

Start date:	End date:	Duration (e.g. 3 months):
15 April 2023	31 March 2024	12 months

Please upload the completed Darwin Plus Local Project Implementation Timetable template with your proposed project activities below.

Digital Conservation - R1-DPlus-Local-Implementation-Timetable
06/02/2023
14:02:00
docx 35.76 KB

Section 7 - Costs

Q9. Costs (Guidance section 2.2 and please read the Finance Guidance)

Please provide a breakdown of costs to be funded through Darwin Plus Local (in GBP).

Are you seeking any matched funding for this project? (Please note that this is optional and there is no requirement to seek matched funding for Darwin Plus Local projects).

⦿ Yes

How much matched funding are you seeking and where from?

GBP 48096 in matched funding has already been secured from another EU funding mechanism (RESEMBiD) and from the ANT operational budget.

Budget line	Explanation	Cost in GBP
Staff costs:	Includes staff time for UKCEH (Project Manager, portal developer, website and app developer). ANT time is in-kind.	[redacted]
Overhead costs:	Includes overhead cost of 1% of total project budget (including project funding, match funding, and in-kind)	[redacted]
Travel & subsistence costs:	Includes travel and subsistence costs (flights, ferries, departure taxes, accommodation, vehicle rental, daily stipends) for UKCEH data portal and mobile app designers (2 experts, UK-Anguilla) and Lesser Antillean iguana AI software expert (Martinique-Anguilla) to support training of local staff in data portal, mobile app, AI software	[redacted]
Operating costs:	Includes the server and maintenance fee for the on-line website and mobile app, costs to conduct Lesser Antillean iguana AI software workshops (venue, catering) and costs to hold three public presentations related to the use of drones, AI, and digital platforms for data collection, management, policy and sharing (venue, catering). Also includes "Other costs" as no budget line provided: including wire transfer fees to facilitate payments to UKCEH, BTO, and Baptiste Angin (bank charges)	[redacted]
Capital equipment:	Includes cost of drone (and accessories) and acoustic monitoring equipment to support biodiversity (including but not limited to nesting sea turtle, seabird, bat and insect) and biosecurity monitoring	[redacted]
Consultancy costs:	Includes fees for services from BTO (acoustic pipeline development) and independent bat expert, Baptiste Angin (bat classifier development). Zoologue Capacitaire time is in-kind.	[redacted]
Total:		[redacted]

This section provides more information on the budget to help evaluators understand how you will use the funds you are requesting. You do not need to list all costs, but please list and detail costs of more than £1,000 per item below, under the appropriate budget line.

Details of staff costs over £1,000 (if relevant)

David Roy, UKCEH Project Manager, time for 10 days to manage/oversee the development of the portal, website and app ([redacted])

John Breda, website developer, time for 17 days to develop website and provide on-island training ([redacted])

Karolis Kazlauskis, app developer, time for 17 days to develop website and provide on-island training ([redacted])

Details of overhead costs over £1,000 (if relevant):

Project management overheads, calculated at 1% of the total project cost (including in-kind and match funding contributions; total cost of project is [redacted] ([redacted])

Details of travel and subsistence costs over £1,000 (if relevant):

Flight, ferry, departure taxes, local transportation (on Anguilla) and daily stipend (including travel days) for one person from Zoologue Capacitaire to support training of local staff in Lesser Antillean iguana AI facial recognition software use/application ([redacted])

Flight, ferry, departure taxes, local transportation (on Anguilla) and daily stipend for two persons from UKCEH to support training of local staff in data portal and mobile app use and maintenance ([redacted]/person, for a total of [redacted])

Details of operating costs over £1,000 (if relevant):

Website and app server and maintenance fee ([redacted])

Training workshop (venue, catering) for local staff in Lesser Antillean iguana AI facial recognition software use/application ([redacted])

Training workshop (venue, catering) for local staff in drone operation and use in biological monitoring ([redacted])

Three public presentations (venue, catering) to share knowledge on use of drones, AI, and digital platforms for data collection, management, policy and sharing ([redacted])

Bank charges (wire transfer costs) to support payments to UKCEH, BTO, Baptiste Angin, MSIS ([redacted]/transfer for 5 transfers, for a total of [redacted])

Details of capital equipment costs over £1,000 (if relevant):

Drone (and supporting accessories e.g. carrying case, additional battery) ([redacted])

Acoustic monitoring equipment (5 passive acoustic monitoring stations to be placed on Anguilla mainland and offshore cays) ([redacted]/station, for a total of [redacted])

Details of consultancy costs over £1,000 (if relevant):

BTO, acoustic pipeline development (including website) ([redacted])

Baptiste Angin, bat expert – bat acoustic classifier and assisting with acoustic pipeline development ([redacted])

Details of other costs over £1,000 (if relevant)

No Response

If your project budget was prepared in another currency and converted to GBP, please provide the exchange rate, its source, and the date it was accessed:

Other currency:	Exchange rate:	Source of this exchange rate:	Date exchange rate accessed:
No Response	*No Response*	*No Response*	*No Response*

Darwin Plus Local has been created to build capacity and contribute to local economies in-territory.

What % of the total will be spent in the OTs?	16

If less than 80% of the total project spend is to be spent within the OT(s), please explain why.

84% of this budget is spent outside of Anguilla. This project is novel for Anguilla and there is no precedent for a digital conservation approach to data collection, management and application on the Territory; there is no local expertise to draw on. Thus, most of the requested project funds will be used to pay for experts based in the Caribbean, the US and the UK to support local training and capacity building, the development of the data portal/hub, and the development of acoustic AI software. Additional funds will be used to purchase equipment which will remain on Anguilla and will support ongoing biodiversity monitoring and management post-project. While the majority of funds will be spent outside of Anguilla, the benefits of this project for Anguilla will be significant and almost immediate as improved data collection, collation and management will ensure continued high-quality environmental data collection and the use of that data to directly inform environmental management decisions on the ground, in policy and within legislation.

Section 8 - Local and National Priorities

Q10. Local and national priorities

Please explain how this project aligns with local and national priorities? You may wish to consider the project in the context of national environmental laws, objectives, strategies, territory specific agreements, action plans or policies.

This project aligns with and directly supports and contributes to national policies, plans and strategies, including:

• National Environmental Management Strategy by facilitating “improved national capability for the management of natural resources,” promoting “cooperation in the fields of science, technology and other research,” and adopting “suitable technologies, techniques and methodologies for achieving effective environmental management.”

• National Biodiversity Strategy and Action Plan by gathering and collating “data on biodiversity that are important for conservation and sustainable use,” using “guidelines, tools and processes for identifying, monitoring, regulating and conserving biodiversity,” and improving capacity for “surveillance, monitoring, control, and elimination” of IAS.

• Anguilla Environmental Charter, through which the UK Government is committed to helping “build

capacity to support and implement integrated environmental management" and using "UK, regional and local expertise to give advice and improve knowledge of technical and scientific issues," and through which the Government of Anguilla is committed to ensuring "the protection and restoration of key habitats, species and landscape features through legislation and appropriate management structures and mechanisms" and reviewing "the range, quality and availability of baseline data for natural resources and biodiversity."

Will the project take place on Government owned land or water?

⦿ No

Section 9 - Project Risks

Q11. Project Risks

Please demonstrate your consideration of any risks involved in this project and how you intend to manage them. Depending on your project, you may wish to consider:

- **Biosecurity risks – particularly for projects involving external equipment.**
- **Safeguarding risks – particularly for projects involving vulnerable groups such as children, older people or people with disabilities.**

Risk	Mitigation
Development of website and application runs over-budget due to the complexities and amount of existing data and the wide range of data collection protocols.	The portal needs to be developed in such a way that both existing and new data can be incorporated. We have been developing this project with the UKCEH since May 2022. Software developers have seen the data that we currently have collected and are maintaining in our existing databases and are aware of future data needs. The budget for portal development is based on a good understanding of existing and potential data management requirements. Estimates of time and costings to develop the data portal are based on a similar project undertaken by the UKCEH for the Government of St. Helena.
Long-term server and data website/portal hosting requirements are not met in the long-term due to financial constraints of local agencies.	As a digital conservation tool, long-term financing to cover server, maintenance and upgrade costs will be required. As this initiative is a high priority for the ANT and is integral to all of our natural resources management and conservation work, we will integrate on-going operational costs into our operational budget. Furthermore, UKCEH has offered to host the website/data portal, given their experience and expertise.

Long-term implementation of digital conservation methods and protocols are not sustained in the long-term.	This project will require investing in human capital in terms of use of the data hub/portal, the web application, and technology to support monitoring, data analysis, presentation and application. To ensure that local capacity remains on-island, we will provide training to all ANT staff as well as colleagues from other relevant local organisations. At the same time, we will also develop detailed manuals and protocols that can be followed by new staff.

Do you require more fields?

⦿ Yes

Risk	Mitigation
Storms and hurricanes hamper project implementation.	This project involves creating and applying new monitoring systems using emerging technology, including the collection of acoustic data using passive acoustic recorders and trialling field-based digital data recording to support the development of the acoustic pipeline. As this trial aspect of work is not intended to span the entire project period, in the event of severe weather, fieldwork can be postponed to a later day or month. Training/Capacity building workshops, facilitated by regionally- and internationally-based experts have been scheduled outside of the peak hurricane months (August through October) but can similarly be postponed if required.
No Response	*No Response*
No Response	*No Response*
No Response	*No Response*
No Response	*No Response*

Section 10 - Terms & Conditions

Q12. Terms and conditions (Guidance section 3.10)

By applying for Darwin Plus Local you are adhering in full to the grant Terms and Conditions in full (available at: https://dplus.darwininitiative.org.uk/apply **and as referenced in the Guidance at section 3.10). For information, the Terms and Conditions include requirements for all applicants to (amongst other requirements as per the full Terms and Conditions):**

- **Uphold a zero tolerance for inaction approach to tackling sexual exploitation, abuse, and harassment.**
- **Where appropriate, make all reasonable and adequate efforts to address gender inequality and other power imbalances.**
- **Notify all cases of fraud and theft (whether proven or suspected) relating to the project to the Grant Administrator as soon as they identified.**

Please indicate you have read, and understood, and will adhere to the Terms and Conditions.

Checked

If your application is successful: If your project application is successful, the Fund Administrator (NIRAS) will ask you to provide some financial evidence for due diligence checks before you receive your project grant. (Please see section 3.3 of the Darwin Plus Local Finance Guidance). Please be ready to provide this evidence promptly.
Financial evidence for organisations: Year-end financial statements, the latest management accounts or audited accounts (if you have these).
Financial evidence for individuals: Proof of identity such as a passport, ID card or driving licence and solvency (such as bank statements) and a police check.

Section 11 - Certification

Certification

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

Checked

I have the authority to submit an application on behalf of my organisation.

Checked

Name:	Farah Mukhida
Position in the organisation: (if applicable)	Executive Director
Signature (please upload e-signature)	FMukhida digital signature 07/02/2023 04:29:46 pdf 61 KB
Date:	10 February 2023

Section 12 - Submission Checklist

Checklist for submission

	Check
I have read the Guidance **documents, including the "**Darwin Plus Local Guidance**" and the "**Darwin Plus Local Finance Guidance**".**	Checked
If my proposed project takes place on public lands or water, I have uploaded a Letter of Support from Government.	Unchecked
I have uploaded a cover letter that details the information requested in the guidance (Guidance section 4.2 has information on what this cover letter should include).	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 the project.**	Checked
I have provided my summary budget based on UK government financial years **i.e. 1 April – 31 March and in GBP in the application form.**	Checked
I have uploaded my project implementation timetable using the specific template **provided.**	Checked
(If copying and pasting into Flexi-Grant) I have checked that all my responses have been successfully copied into the online application form.	Checked
The application has been signed by a suitably authorised individual **(clear electronic or scanned signatures are acceptable).**	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 the Darwin Plus website**.**	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 Darwin Plus. We also provide occasional updates on other UK Government activities related to biodiversity conservation and share project news. You are free to unsubscribe at any time.

Checked

Data protection and use of personal data

Information supplied in the application form, including personal data, will be used by Defra as set out in the **Privacy Notice**, available from the Forms and Guidance Portal.

This **Privacy Notice must be provided to all individuals** whose personal data is supplied in the application

form. Some information may be used when publicising Darwin Plus including project details (usually title, lead partner, project leader, location, and total grant value).

Darwin Plus Local

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. Projects are based on UK Financial Years (**1 April – 31 March** - therefore starts April 2023).

Please add/remove 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 shade only the months in which an activity will be carried out. The workplan can span multiple pages if necessary.

Activity #	Description (max 25 words)	No. of months	UK Financial Year 2023/24											
			Calendar Year 2023									Calendar Year 2024		
			Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
1.	Project initiation and launch (meeting with project partners and consultants to discuss project implementation and outputs)	0.25	x											
2.	Develop data portal (to include/allow for *inter alia*, record inputting, user profiles and personal record lists, data/record filter, activities section (supporting specific events, projects etc.)	2	x	x	x	x	x	x						
3.	Collect acoustic data to feed into development of acoustic AI software (five passive acoustic monitoring devices deployed across Anguilla's mainland, offshore cays, neighbouring islands)	0.5		x	x	x	x	x	x	x				
4.	Hold 3-day training workshop on use of open-access AI software for facial recognition of CE Lesser Antillean iguanas (at least 6 natural resources managers/conservation officers)	0.25			x									
5.	Develop field-based data application (standalone web application that would work with website to provide data input	2			x	x	x	x	x					

Activity #	Description (max 25 words)	No. of months	UK Financial Year 2023/24											
			Calendar Year 2023									Calendar Year 2024		
			Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
	forms that work off-line, on mobile devices and tablets)													
6.	Develop acoustic pipeline AI software (Anguilla's first bat, rodent, insect classifier, enhancing precision of AI classifier and increasing species distributions and AI biosecurity monitoring efficacy)	2				x	x	x	x	x	x	x		
7.	Hold 5-day training workshop on use of drones for biological monitoring (5 natural resources managers/conservation officers)	0.25				x								
8.	Collect and analyse facial photographs of all visible/encountered Lesser Antillean iguanas (side facial photographs taken using mobile phones/digital cameras on Prickly Pear East, Anguilla mainland)	1				x	x	x	x	x	x	x	x	x
9.	Collect and analyse aerial images of priority spaces (protected areas, wetlands, sea turtle nesting beaches, offshore cays) to support species population and habitat assessments	1					x	x	x	x	x	x	x	x
10.	Hold 2-day on-line training workshop on use acoustic pipeline (6 ANT natural resources managers/conservation officers)	0.25								x				
11.	Hold 5-day training workshop on using data portal and field-based data app, creating new app forms for future biodiversity monitoring (6 natural resources managers/conservation officers)	0.25								x				

Project Title: Establishing digital data tools for enhanced conservation management and policy-making

Activity #	Description (max 25 words)	No. of months	UK Financial Year 2023/24											
			Calendar Year 2023									Calendar Year 2024		
			Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
12.	Use data portal and field-based data app (on mobile and tablet devices) to collect, manage, analyse and present biodiversity and ecological data	2									x	x	x	x
13.	Host end-of-project national-, UKOT, international webinar on project successes, lessons learned, and options/opportunities for wider roll-out (expected audience of at least 35 individuals)	0.25												x