

# **DIR29CC\1045**

## **Building local capacity to protect national marine biodiversity (BAIT)**

BAIT proposes to enhance capacity and capability to observe and monitor marine ecosystems in the Cabo Verde archipelago. Through focused training initiatives built around a practical observation programme, BAIT will deliver important information for policy to promote environmentally sustainable economic growth and subsequently help to alleviate poverty. Owing to the project's knowledge exchange group comprising offshore scientists from other small island developing states and African nations, BAIT's potential to expand capacity and capability is not solely limited to Cabo Verde.

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## **Section 1 - Contact Details**

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**PRIMARY APPLICANT DETAILS**

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## GMS ORGANISATION

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## Section 2 - Title & Summary

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### Q3. Title:

Building local capacity to protect national marine biodiversity (BAIT)

### Q4a. Is this a resubmission of a previously unsuccessful application?

No

**Please attach a cover letter.**

**Please include a response to any previous feedback in your cover letter.**

- Letter of support UAveiro signed
- 07/11/2022
- 00:29:06
- pdf 408.88 KB

### Q5. Summary

**Please provide a brief summary of your project: the capability and capacity problem/need it is trying to address, its aims, and the key activities you plan on undertaking. 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 the website.**

**Please write this summary for a non-technical audience.**

BAIT proposes to enhance capacity and capability to observe and monitor marine ecosystems in the Cabo Verde archipelago. Through focused training initiatives built around a practical observation programme, BAIT will deliver important information for policy to promote environmentally sustainable economic growth and subsequently help to alleviate poverty. Owing to the project's knowledge exchange group comprising offshore scientists from other small island developing states and African nations, BAIT's potential to expand capacity and capability is not solely limited to Cabo Verde.

## Section 3 - Title, Dates & Budget Summary

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### Q6. Country(ies)

**Which eligible country(ies) will your project be working in? Where there are more than 4 countries that your project will be working in, please add more boxes using the selection option below.**

<b>Country 1</b>	Cape Verde	<b>Country 2</b>	No Response
<b>Country 3</b>	No Response	<b>Country 4</b>	No Response

**Do you require more fields?**

No

### Q7. Project dates

<b>Start date:</b>	<b>End date:</b>	<b>Duration (e.g. 1 years, 8 months):</b>
01 April 2023	31 March 2025	2 years

### Q8. Budget summary

<b>Year:</b>	<b>2023/24</b>	<b>2024/25</b>	<b>Total request</b>
<b>Amount:</b>	£112,596.00	£87,404.00	<b>£</b> 200,000.00

**Q9. Proportion of Darwin Initiative budget expected to be expended in eligible countries: %**



**Q10a. Do you have proposed matched funding arrangements?**

Yes

**What matched funding arrangements are proposed?**

The University of Aveiro (Portugal, UAveiro) is providing salary in-kind for three staff members to maximise funding available for other aspects of the project. The University of Plymouth (UK, UPlymouth) is providing full salary in-kind for one staff member, salary in-kind for half of the allocated time of another staff member, and in-kind overheads. Staff costs for Cabo Verdean partners from the University of Cabo Verde (UNICV), the Atlantic Technical University (UTA) and Biosfera will be provided in-kind also.

**Q10b. Total confirmed & unconfirmed matched funding (£)**

£

**Q10c. If you have a significant amount of unconfirmed matched funding, please clarify how you will fund the project if you don't manage to secure this?**

No Response

## Section 4 - Project need

**Q11. The need that the project is trying to address**

**Please describe evidence of the capability and capacity need your project is trying to address with reference to**

## **biodiversity conservation and poverty reduction challenges and opportunities.**

**For example, how have you identified the need? Why should the need be addressed or what will be the value to the country? Please cite the evidence you are using to support your assessment of the need (references can be listed in a separate attached PDF document).**

The capacity/capability need

Cabo Verde is a small island developing state (SIDS) in the Central Atlantic. Like many SIDS, Cabo Verde has a large and deep ocean territory supporting a rich diversity of ecosystems [1] with high endemism within the context of the Macaronesian region [eg. 2,4]. This ocean territory can provide economic opportunity through development of ocean-based sectors, as recognized by the US\$30M investment in Cabo Verde's blue economy, sanctioned by the World Bank earlier this year. However, development can also pose substantial risks to SIDS' natural capital. It is therefore critical that SIDS' ocean economies are developed in sustainable ways that integrate the conservation of biodiversity while allowing for innovative uses of resources to help alleviate poverty.

Like many SIDS, Cabo Verde lacks the on-island capability and capacity to observe, monitor, and therefore sustainably manage most of their marine area. This was identified through the Organisation for Economic Co-operation and Development's sustainable ocean economy report for Cabo Verde [3], but also through the UK-Portugal lead UN Ocean Decade Challenger 150 Programme that aims to build capacity for offshore science globally. The lack of capacity for marine biodiversity observation around Cabo Verde is somewhat driven by a scarcity of appropriate vessels from which to deploy traditional (ie. large, expensive) equipment used to explore ecosystems beyond SCUBA depths (>20 m). Subsequently, local marine researchers have a limited observation capacity restricted to a narrow band of seafloor adjacent to the shore [4, 5], due to the steep topography of Cabo Verde. However, this topography, unique to oceanic islands, means deep water is far more accessible closer to shore than in nations with large continental shelves, and therefore ocean-going research ships are not always required. Through development of low-cost hand-deployed camera systems, as well as the required digital infrastructure and methods training, BAIT will significantly contribute to building long-term and standardised marine observing and monitoring capacity and capability in Cabo Verde that will ultimately support biodiversity conservation and poverty reduction.

The biodiversity conservation need

To fully understand the value of Cabo Verde's natural capital, baseline characterisation of offshore marine ecosystems is paramount. This is not only true for blue growth initiatives and carbon auditing, but also because baselines are benchmarks from which to determine change, be it positive or negative, and their definition is therefore the first step in protecting biodiversity from adverse impacts. However, as with many low/low-middle income SIDS, damaging activities such as illegal fishing pose significant threats to biodiversity, existing fisheries and thus the wider economy [3]. It is therefore critical that baseline surveys are carried out, and resultant conservation measures and enforcement are put in place, to ensure Cabo Verde retains its high biodiversity and natural assets.

[1] Bridges et al. In review OMBAR. 60 [2] Duda & Rolán 2005 Mol. Ecol. 14 [3] OECD 2022 "Sustainable Ocean Economy Country Diagnostics of Cabo Verde" OECD Publishing [4] Freitas et al. 2017 Sci. Rep. 9 [5] Moore et. al. 2021 J. Biogeogr. 48

## **Section 5 - Darwin Objectives and Conventions**

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### **Q12. Biodiversity Conventions, Treaties and Agreements**

**Q12a. Your project must support the commitments of one or more of the agreements listed below.**

**Please indicate which agreement(s) will be supported.**

- Convention on Biological Diversity (CBD)
- Nagoya Protocol on Access and Benefit Sharing (ABS)
- United Nations Framework Convention on Climate Change (UNFCCC)
- Global Goals for Sustainable Development (SDGs)

### **Q12b. National and International Policy Alignment**

**Using evidence where available, please detail how your capability and capacity project will contribute to national**

**policy (including NBSAPs, NDCs, NAP etc.) and in turn international biodiversity and development conventions, treaties and agreements that the country is a signatory of.**

#### National

The NDC [1] commits to extending, and developing management plans for marine protected areas (MPAs). Data from BAIT would prove integral to this process for deep-water ecosystems to ensure ecological efficacy of MPA networks.

The NBSAP [2] states lack of biodiversity monitoring capacity is a barrier to biodiversity assessment, and lists seven major national priorities (MNPs), of which BAIT contributes to all. Through the establishment of data-driven management and biodiversity conservation legislation, made possible by a monitoring programme, BAIT will help integrate biodiversity data into policy (MNP1) to reduce pressure on biodiversity (MNP3) and promote sustainable management of natural resources (MNP4). Data from the baseline surveys used to train on-island participants will directly enhance biodiversity knowledge, contribute to monitoring assessments (MNP6) and support natural capital assessments (MNP5). Investment into BAIT mobilises funds for biodiversity conservation (MNP7) and the on-island community engagement programme involves society in conservation (MNP1).

#### International

BAIT will facilitate Cabo Verde in realising its commitments to the Convention on Biological Diversity (CBD). The monitoring programme will collect biodiversity data to inform sustainable management and environmental policy, speaking directly to CBD 2030 Action Targets 1, 3, 5, 8-10, 14 and 21.

BAIT will expedite Cabo Verde's, and other nations' via the knowledge exchange team, progress towards achieving the UN's Sustainable Development Goals (SDGs). SDG1 and 8 will be addressed by improving on-island employment opportunities for local scientists, thus enabling further international collaboration that will in turn create new employment opportunities. BAIT's monitoring programme will allow Cabo Verde to sustainably develop their ocean economy, thus addressing SDG14. Through considered hiring practices, BAIT will also contribute towards SDG5.

[1] Cabo Verde Government 2022 "Cabo Verde: 2020 Update to the first Nationally Determined Contribution (NDC)" [2] MAHOT 2014 "Estratégia Nacional e Plano de Ação para a Conservação da Biodiversidade 2015-2030"

## **Section 6 - Method, Change Expected, Gender & Exit Strategy**

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### **Q13. Methodology**

**Describe the methods and approach you will use to achieve your intended capability and capacity Outcome and contribute towards your Impact. Provide information on:**

- **How you have reflected on and incorporated evidence and lessons learnt from past and present similar activities and projects in the design of this project.**
- **The specific approach you are using, supported by evidence that it will be effective, and justifying why you expect it will be successful in this context.**
- **How you will undertake the work (activities, materials and methods).**
- **What the main activities will be and where these will take place.**
- **How you will manage the work (governance, roles and responsibilities, project management tools, risks etc.).**
- **What practical elements will be included to embed new capabilities?**

#### Relevant past experience

TA, MRC, KH and BW have all successfully led/co-led projects aiming to develop capacity in marine ecosystem observation (COAST, EMSO-PT, One Ocean Hub, PADRE.). KH (lead), TA, AB, SPR and KM are also involved in Challenger 150, a UN Ocean Decade endorsed global cooperative with a strong focus on increasing capacity to generate, understand, manage, and use ocean knowledge. KM is engaged in capacity development for marine biodiversity observation on the African continent and brings expertise and connections for shared learning.

KH and BW have extensive experience in working with engineers to design, build and use small camera systems in remote locations (OOH and PADRE.). All UK and Portugal-based members have extensive experience in using camera systems to monitor and evaluate biodiversity with TA leading an existing project (COAST) in Cabo Verde, and KH leading an international project on image annotation (SMarTaR-ID).

TA, MRC, KH and BW have experience in successfully leading large grants. TA has enjoyed a collaborative relationship with the Cabo Verdean partners since 2018.

#### Approach and activities

The aims of BAIT are to build capacity and capability on Cabo Verde to: 1) observe and monitor marine ecosystems using non-destructive low-cost hand-deployed camera systems, 2) analyse and interpret image data including species identification and enumeration, 3) use resulting data to inform management actions and develop policy on sustainable use, 4) store data using FAIR (Findable, Accessible, Interoperable, Reusable) data principles, in line with the 'collect once - use many times' data ethos. To achieve these aims, BAIT will design and deliver a comprehensive training programme constructed around a real-world data collection and interpretation exercise, which itself will provide valuable baseline data on a poorly known region. To build long-lasting capacity, this will include:

Training of local partners from universities and NGOs in survey techniques (including camera equipment deployment, use and maintenance) who will be responsible for continuing the monitoring after the project - local (non-BAIT funded) researchers, MSc and PhD students will be invited also.

Dedicated training workshops in data management, species identification, image annotation and statistical analysis delivered by UK partners with successful track records in designing training workshops

Two fully funded masters scholarships, one for each of the Cabo Verde universities, to increase future on-island capacity and capability

Six funded knowledge transfer visits to Cabo Verde allowing persons from other eligible countries to participate in aspects of the research training

A community engagement and outreach programme to engage younger people in Cabo Verde, showcasing the importance of marine biodiversity to livelihoods and potential on-island careers in biodiversity conservation and marine industries.

Whilst some aspects of the training have to be held in-person (i.e. fieldwork training sessions around the Santiago, São Vicente, and Santo Antão islands), where possible, training sessions will be hybridised, to extend BAIT's reach beyond Cabo Verde via the knowledge exchange group.

#### Governance and structure

BAIT brings together a range of experts in capacity building, sustainable management and biodiversity monitoring, including on-island partners, who are critical in ensuring the project delivers useful outputs for the people of Cabo Verde. BAIT has selected partners to facilitate success and will be structured by:

A project coordination team to take overall responsibility for project organisation and delivery.

An on-island project team to facilitate local logistics and support the wider community engagement programme. They will receive training in the monitoring and observation of marine ecosystems.

An international knowledge exchange team comprising a newly formed network of offshore scientists from SIDS and African nations (established through Challenger 150). This group will allow BAIT to reach interested audiences outside of Cabo Verde.

#### Role and responsibilities

The project coordination team will be co-led by TA (UAveiro, and lead of the COAST project), RF (UTA, on-island) and MA (UNICV, on-island), and comprise representatives from all partner organisations.

They will be supported by a small UK team based at the University of Plymouth and the University of Newcastle, led by KH. This includes a 40% FTE project officer (AB) who has prior experience of working on Atlantic Oceanic Islands (St Helena, Ascension and Tristan da Cunha). European partners will be responsible for camera development, training in use, and training in data interpretation and management. Led by KM, they will also ensure knowledge transfer to African nation partners on the One Ocean Hub, thus extending the reach of BAIT.

Partners from Biosfera (AQ, KN, TM) will lead the community engagement project along with SPR (UAveiro) and AS (UNICV). All Cabo Verdean partners will be enrolled in the training programme.

### **Q14. How will you identify participants?**

**How did/will you identify and select the participants (individuals and organisations) to directly benefit from the capability and capacity building activities? What makes these the most suitable participants? How will you ensure that the selection process is unbiased, fair and transparent?**

Listed partners

TA's collaboration with the Cabo Verdean partner organisations began in 2018. For technical and field training, individuals must possess background knowledge in marine ecology, hence selecting scientists with experience of shallow-water biodiversity surveys from UTA, UNICV and Biosfera. Training staff from universities is central to the project's longevity as they have the means to train future scientists (BSc/MSc/PhD students) in the BAIT monitoring methods.

Biosfera implements conservation initiatives across Cabo Verde, raising awareness both nationally and regionally. As a key NGO, they were selected based on their history of delivering conservation projects and outreach programmes, and their ability to engage stakeholders including government. The latter is important for integrating biodiversity into Cabo Verdean policy.

UK (UPlymouth and UNewcastle) and Portuguese (UAveiro) institutions bring significant expertise to the project, and were selected due to their successful backgrounds in building marine observational capacity in developing nations.

Participants

The two BAIT-funded master's scholarships will be awarded following a one-month advertisement, and successful candidates selected based on internal review of applicants and interviews of a shortlist. The selection process will be fair and transparent by making selection criteria available to participants, providing application form guidance, and ensuring protocols are in place for dealing with conflicts of interest during application evaluation.

Existing MSc/PhD students from the Cabo Verdean universities will be invited to join specific training sessions alongside the knowledge exchange team. Whilst both groups have been previously identified through existing networks, processes used to select them followed the fair and transparent process outlined above.

The knowledge exchange team was also selected to promote geographic diversity with a focus on neighbouring African nations and, critically, other SIDS - this is because these nations will gain the most from engaging with BAIT.

## **Q15. Gender equality**

**All applicants must consider whether and how their project will contribute to reducing inequality between persons of different gender. Explain your understanding of gender equality within the context of your project, and how is it reflected in your plans. Please summarise how your capability and capacity project will contribute to reducing gender inequality. Applicants should, at a minimum, ensure proposals will not increase inequality and are encouraged to design interventions that proactively contribute to increased gender equality.**

The BAIT project team is gender balanced, although the on-island partners are largely male. However, we will strive to ensure gender balance across the opportunities created through the BAIT programme, both within and beyond the life of the project.

The majority of instructors providing the training to partners and participants are female, and it is hoped that this will promote gender balance in the future through demonstrating that biodiversity observation and monitoring is not a male-dominated industry.

All training sessions and workshops will be gender-inclusive and we will ensure that the training programme, particularly sessions on fieldwork, covers topics including inclusive ways of working with female colleagues and community members. For the knowledge exchange visits, participants from other SIDS and African nations will be selected to ensure gender-balance. We will expand the knowledge exchange network throughout the project, but maintain gender-balance where possible.

## **Q16. Change expected**

**Detail what the expected changes to in-country capability and capacity will deliver for both biodiversity and poverty reduction. You should identify what will change and who will benefit a) in the short-term (i.e. during the life of the project) and b) in the long-term (after the project has ended) and the potential to scale the approach.**

**When talking about how people will benefit, please remember to give details of who will benefit, differences in benefits by gender or other layers of diversity within stakeholders, and the number of beneficiaries expected. The number of communities is insufficient detail – number of households should be the largest unit used**

BAIT aims to build capability and capacity in observation and monitoring of offshore ecosystems (promoting biodiversity conservation), thus allowing for sustainable development of Cape Verde's blue economy (helping to reduce poverty). Through training a cohort of local scientists, we are developing the future leaders who can train others, both formally and informally, including university students, other researchers and NGO personnel. The 'train-the-trainer' approach used by BAIT means that most changes to capability and capacity are applicable in the short- and long-term:

#### Biodiversity:

Improved understanding of Cabo Verde's marine biodiversity including species identities

Improved understanding of the spatial distribution of marine ecosystems within the Cabo Verde archipelago and the wider undersampled Central Atlantic

The BAIT database will provide the best available data with which to confidently inform biodiversity conservation policy including marine protected area (MPA) management plans

Survey equipment left on-island to facilitate long-term monitoring

New scientific capacity for monitoring offshore ecosystems

New relationships forged with Portuguese and UK institutions that can offer long-term support and guidance in biodiversity data interpretation and translation to policy

#### Poverty reduction:

Capacity to observe offshore ecosystems will mobilise funding for Cabo Verde as potential participants in large international projects (e.g. a planned Darwin Initiative Extra Fund incorporating multiple SIDS) that can fund new roles to be filled by local scientists

Annual offshore monitoring will provide work experience opportunities for young marine scientists, bettering their CVs and increasing employability

Training local scientists encourages pursuing scientific career whilst remaining on-island, thus reducing 'brain drain' and increasing island wealth

Expertise in operating and maintaining electronics (cameras) are valuable skills and will increase employability of those trained for multiple sectors

Developing a sustainable blue economy, particularly expansion of marine ecotourism, will increase island wealth through job creation in emerging businesses

Increased focus on sustainable management will reduce illegal fishing effort as more attention is paid, thus benefiting regulated fisheries and increasing revenue

Comprehensive management plans for MPAs, evidenced BAIT monitoring data, will increase productivity of adjacent fisheries through spillover effects

Direct beneficiaries of the project total approximately 46 people including: all members of RF's and MA's groups at UTA and UNICV to be fully trained (~ 15), master's scholarship recipients (2), BIOSFERA project personnel to be fully trained (3), knowledge exchange group to participate in online training (~ 20), knowledge transfer visitors (6).

Regarding indirect beneficiaries, we anticipate that over the 10 years post-BAIT, 30-50 local scientists will undergo monitoring training (3-5/year). The number of people indirectly benefiting from blue growth and developing a sustainable ocean economy is extremely difficult to quantify. Tourism alone accounts for 25% of GDP directly and 45% indirectly, much of which is attributed to the recent growth in marine tourism over the past two decades [1]. BAIT will help Cabo Verde expand its marine ecotourism potential through international recognition of pristine ecosystems and data-driven conservation policy. This has the potential to significantly increase GDP, thus affecting 1000s of households.

[1] OECD 2022 "Sustainable Ocean Economy Country Diagnostics of Cabo Verde" OECD Publishing



## Q17. Exit Strategy

**How will the project reach a sustainable point and continue to deliver benefits post-funding?**

**How will the built capability and capacity be maintained in-country? How will the new capability and capacity be replicated to strengthen additional future environmental leaders beyond the project? How will the benefits be scaled? Are there any barriers to scaling and if so, how will these be addressed? How will the materials developed during the project be made more widely accessible during and after the project?**

The proposed project is based on development of a marine monitoring programme beyond diver depths (>20m). The project will fund the building of towed and static non-invasive camera-based monitoring systems and training in all aspects of their use from gear deployment and maintenance, to data-use in policy and decision-making. The equipment developed will be tailor made for use in SIDS from very small vessels without winches. The gear will be easy to maintain and replace parts, and will remain in-country at project end for continued use on-island. The project adopts both a 'train-the-trainer' approach, training permanent university staff, as well as a train the next generation approach, in funding two masters students. Training the trainers will ensure that the newly built capability and capacity can be replicated to deliver other future environmental leaders beyond the project. The outreach aspect of the project will aim to inspire future generations to see marine environmental monitoring and marine industries as a potential career. The approach taken on Cabo Verde will serve as a potential model that could be applied in other nations. Knowledge transfer between the project and other potentially interested nations will be achieved via the targeted knowledge exchange visits, and the knowledge exchange group, who will follow the project progress and provide input on how the approach might be applied in their nation in a future funding application. This mitigates a key risk to the project in upscaling the approach to other nations, in that key persons will be embedded in this project for the specific purpose of considering future application of the approach in their own nation. Finally, our hybrid approach to almost all training workshops, including recording of key materials for posting on YouTube, means materials will be widely accessible both during and after the project.

**If necessary, please provide supporting documentation e.g. maps, diagrams, references etc., as a PDF using the File Upload below:**

*No Response*

## Section 7 - Risk Management

---

### Q18. Risk Management

**Please outline the 6 key risks to achievement of your Project Outcome and how these risks will be managed and mitigated, referring to the [Risk Guidance](#). This should include at least one Fiduciary, one Safeguarding, and one Delivery Chain Risk.**

**Projects should also draft their initial risk register, using the [Risk Assessment template](#), and be prepared to submit this when requested if they are recommended for funding. Do not attach this to your application.**

<b>Risk Description</b>	<b>Impact</b>	<b>Prob.</b>	<b>Gross Risk</b>	<b>Mitigation</b>	<b>Residual Risk</b>
<b>Fiduciary (financial)</b> Funds not used for intended purposes	Major	Rare	Moderate	UAveiro will monitor and manage funds adhering to good practices including an annual financial project audit Detailed budget plan prepared for transparent allocation of funds	Minor

<p><b>Safeguarding</b></p> <p>Any occurrence whereby safety and/or welfare of anyone (trainees, trainers or the general public) is compromised (including harassment, abuse and sexual exploitation)</p>	Major	Rare	Minor	<p>Project team will adhere to Darwin Initiative's ethical principles</p> <p>Training will cover safe-working principles, including how to appropriately interact with all genders/nationalities</p> <p>Clear instruction of what to do in the event of an incident (e.g. how to report/who to)</p> <p>Training delivered in group setting with appropriate contact</p>	Minor
<p><b>Delivery Chain</b></p> <p>Factors outside the project's control restricting access to Cabo Verde by non-island partners (e.g. Covid-19 pandemic restrictions)</p>	Moderate	Unlikely	Minor	<p>All fieldwork training provided in year 1 so that participants can be trained in year 2 if cancelled</p> <p>Aspects of the projects will be hybridised so that participants can join online if necessary</p> <p>Adherence to Cabo Verde's current covid restrictions during on-island activities</p>	Minor
<p><b>Risk 4</b></p> <p>Future capacity not developed enough to maintain autonomous monitoring programme/skill loss</p>	Moderate	Unlikely	Minor	<p>Train-the-trainer approach used to train participants with permanent on-island careers to reduce risk of trainers leaving</p> <p>Ensure trainees come from a range of career stages (MSc - academic)</p> <p>The equipment, typically the barrier to capability due to expense, will be left on-island</p>	Minor
<p><b>Risk 5</b></p> <p>Risk of MSc scholar not successfully complete the training</p>	Moderate	Rare	Minor	<p>Ensure regular supervisory contact</p> <p>Scholarship recipients carefully selected to reduce likelihood (whilst adhering to a fair and transparent process)</p> <p>Multiple scholarships available to reduce impact is one were to be unsuccessful</p>	Minor
<p><b>Risk 6</b></p> <p>BAIT partners do not stay in current role in organisations</p>	Minor	Possible	Minor	<p>All organisational partners aware of individual's involvement in BAIT and importance of continue involvement</p> <p>Anyone bought into the project to replace partners will be provided with detailed breakdown of BAIT and their role within it</p>	Minor

## Section 8 - Implementation Timetable

### Q19. Provide a project implementation timetable that shows the key milestones in project activities

**Provide a project implementation timetable that shows the key milestones in project activities, linking them to your Outputs. Complete the Word template as appropriate to describe the intended workplan for your project.**

Implementation Timetable Template

**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 fill/shade only the quarters in which an activity will be carried out.**

- [BAIT BCF Implementation Timetable](#)
- 04/11/2022
- 12:44:15
- pdf 44.08 KB

## Section 9 - Monitoring and Evaluation

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### Q20. Monitoring and evaluation (M&E)

**Describe 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 improved 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. Additionally, please indicate an approximate budget and level of effort (person days) to be spent on M&E (see Finance Guidance).**

Project coordinations leads (TA, RF, MA) will be responsible for the development and maintenance of a detailed work plan for the whole project team, and as lead partner, 25% of TA’s time on the project will be spent on M&E. In addition to monitoring work progress, financial monitoring will also be the responsibility of TA including undertaking the annual financial audit.

M&E will be a standing agenda item on the monthly project coordination team meeting. Each partner organisation will provide a progress update and list of priorities for the upcoming month. This will also provide an opportunity to raise any concerns. The project coordination team as a whole will monitor advances and evaluate progress against activities detailed in the project implementation timetable and the SMART indicators of success. This will be done using a traffic light system allowing for identification of any issues hindering timely progression of the outputs, and if needed, will incorporate discussion on how to adjust activities within the project to fit the timeframe. Each project partner will also dedicate 2 days per visit to Cabo Verde to M&E.

Throughout the training, participants’ progress will be evaluated based on their ability to perform tasks without assistance. Training participants and knowledge exchange team members will be asked to provide anonymous end of course evaluations identifying aspects that worked well as well as areas for improvement, skill applicability and further training needs (if applicable).

**Total project budget for M&E in GBP (this may include Staff and Travel and Subsistence costs)**     £ [REDACTED]

**Percentage of total project budget set aside for M&E**     [REDACTED]

**Number of days planned for M&E**     180

## Section 10 - Indicators of Success

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### Q21. Indicators of success

**Please outline the Outcome and Outputs of the project and how you will show that they have been achieved by using SMART indicators and milestones.**

**See the Monitoring, Evaluation and Learning Guidance for advice on selecting SMART indicators and milestones.**

**Please note that the number of participants in training is not an output, please consider how to measure the success of the training rather than participation in training.**

**In the table below please outline your Outcome and between 1-4 Outputs. Each statement should have between 2-3 SMART indicators and end target (figure/state/quality) including how you would evidence achievement – i.e. “Means of Verification”.**

	<b>SMART Indicator</b>	<b>Means of Verification</b>
<p><b>Outcome</b></p> <p>Enhanced capacity to observe and monitor marine ecosystems in the Cabo Verde archipelago supporting sustainable blue growth.</p>	<ol style="list-style-type: none"> <li>1. Cabo Verde has increased in-country capacity for university level training in marine observations and monitoring.</li> <li>2. Cape Verde has the infrastructure and expertise to conduct deeper water marine observations.</li> <li>3. Knowledge of marine biodiversity and links with livelihoods enhanced in policymakers and local young people.</li> </ol>	<p>New undergraduate course material is developed based on the project activities.</p> <p>Continued use of equipment beyond project end.</p>
<p><b>Output 1</b></p> <p>Improved national capacity for deep-water marine biodiversity research. On-island participants are confident in all aspects of the process (maintenance of equipment, fieldwork, data and analysis and archiving).</p>	<ol style="list-style-type: none"> <li>1. All on-island participants (UTA, UNICV and Biosfera) attend at least one of each type of training activity (i.e. field, data storage, annotation etc.)</li> <li>2. Masters students complete MScs</li> <li>3. Camera systems developed, and deployed using local infrastructure only.</li> </ol>	<p>All training activities have a test element for participants following training.</p> <p>MSc certificates</p> <p>Project final report.</p>
<p><b>Output 2</b></p> <p>National-level community awareness of marine ecosystems and their importance</p>	<ol style="list-style-type: none"> <li>1. Awareness of the importance of marine biodiversity and links to livelihoods increased by 50% in participating school age children</li> <li>2. Local stakeholders understand the relevance of marine biodiversity to society.</li> <li>3. National marine species fact sheets developed</li> </ol>	<p>Before and after survey of participating school groups in outreach activities</p> <p>Number of local stakeholders attending the annual conference. Structured formal feedback from attendees</p> <p>Document downloads / numbers printed.</p>

<p><b>Output 3</b> Established pathways to policy impact for BAIT data (i.e. links to government) to promote blue growth</p>	<p>1. Representatives of at least 2 key government departments participate in science-policy interface board.</p> <p>2. Use guidance from science-policy interface board to develop pipeline of how BAIT data can best feed into sustainable management based on Cabo Verde priorities.</p>	<p>Project data are used in government decision-making.</p> <p>Policy pipeline developed</p>
<p><b>Output 4</b> Knowledge exchanged with nations outside Cabo Verde</p>	<p>1. Successful knowledge exchange visits.</p> <p>2. Training workshops attended, and recorded materials watched by members from at least four other nations beyond those of project members</p> <p>3. Co-developed plans to replicate the project in at least 4 other nations.</p>	<p>Feedback reports from funded persons</p> <p>Workshop attendee reports, YouTube viewing statistics.</p> <p>Draft project funding proposal.</p>

## Activities

**Each activity is numbered according to the Output that it will contribute towards, for example, 1.1, 1.2, 1.3 are contributing to Output 1.**

- 1.1 Develop training protocols and resources for fieldwork and data analysis
- 1.2 Identify in-person fieldwork trainees (advertise MSc scholarships and select recipients; identify knowledge transfer visit candidates)
- 1.3 Deliver training courses to on-island participants and knowledge transfer participants
- 1.4 Collate feedback from training participants
- 1.5 Write final project report outlining the capacity and capability that has been developed, evaluating the project as whole (including feedback)
  
- 2.1 Design community engagement strategy based around sharing imagery and video from fieldwork
- 2.2 Develop outreach resources (e.g. national marine species fact sheets) using BAIT-collected imagery
- 2.3 Visit schools to run workshops, incorporating marine biodiversity and conservation into the state curriculum
- 2.4 Organise annual project conference, inviting stakeholders from different sectors of society including local government, youth ambassadors, university students and general public
  
- 3.1 Invite individuals in key government departments ( $\geq 2$ ) to sit on a science-policy interface board
- 3.2 Run workshops with the science-policy interface board to identify where and how BAIT data can contribute to Cabo Verde environmental legislation, thus ensuring outputs from BAIT are useful
  
- 4.1 Introduce project to wider knowledge exchange team
- 4.2 Through discussion, ascertain how projects similar to BAIT could help other SIDS and developing nations
- 4.3 Share all training resources with knowledge exchange team to distribute among colleagues

## Important Assumptions:

**Please describe up to 6 key assumptions that, if held true, will enable you to deliver your Outputs and Outcome.**

- 1. Trained UNICV, UTA and BIOSFERA partners will remain on-island and train additional students and personnel in future years
- 2. Cabo Verde government will consider BAIT monitoring data in sustainable development of their blue economy
- 3. The Covid-19 pandemic will not constrain in-person training
- 4. Cabo Verde community (including schools) will be willing to engage with the BAIT outreach programme

5. Training provided will be useful for knowledge transfer visitors from other developing nations, thus enhancing capacity elsewhere

## Section 11 - Budget and Funding

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### Q22. 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 under £100,000 and over £100,000. Please refer to the [Finance Guidance](#) for more information.**

- [Budget form for projects under £100,000](#)
- [Budget form for projects over £100,000](#)

**Please ensure you include any co-financing figures in the Budget spreadsheet to clarify the full budget required to deliver this project.**

**NB: Please state all costs by financial year (1 April to 31 March) and in GBP. The Darwin Initiative cannot agree any increase in grants once awarded.**

**Please upload the Lead Partner's accounts (or other financial evidence – see Finance Guidance) at the certification page at the end of the application form.**

- 
- [BAIT BCF Budget](#)
  - 07/11/2022
  - 09:43:44
  - xlsx 70.36 KB

### Q23. Funding

**Q23a. Is this a new initiative or does it build on existing work (delivered by anyone and funded through any source)?**

- New Initiative

**Please provide details:**

This project is a new initiative for Cabo Verde, representing the first offshore monitoring programme within the archipelago. Whilst a handful of surveys have been undertaken in the Cabo Verde territory with a focus on ecosystems below 20 m, these have been carried out by foreign institutions with relatively limited interaction with Cabo Verdean organisations.

Projects involving the development of non-destructive, hand-deployed, low-cost camera equipment to develop observational and monitoring capacity in developing nations have been led by both KH and BW. Methodological proof-of-concept from the OOH and PADRE projects respectively, mean that the risks involved in BAIT are lower than if this were the first of its kind globally.

**Q23b. Are you aware of any current or future plans for similar work to the proposed project?**

- No

### Q24. Capital items

**If you plan to purchase capital items with Darwin funding, please indicate what you anticipate will happen to the items following project end. If you are requesting more than 10% capital costs, please provide your justification here.**

Capital items for purchase include three laptops (one for each Cabo Verdean partner) and additional external hard drives. At the end of the project, all equipment will be retained by the local partners for use in future monitoring and further projects. This includes the camera equipment that is costed under subcontracting.

## **Q25. Value for Money**

**Please demonstrate why your project is good value for money in terms of impact and cost-effectiveness of each pound spend (economy, efficiency, effectiveness and equity). Please make sure you read the guidance documents, before answering this question.**

The main aim of BAIT is to develop capacity for observation and monitoring of offshore ecosystems to support the sustainable development of Cabo Verde's blue economy. As training is central to the project, it is important that the lead partner has the capability to deliver this, hence why it could not be a Cabo Verdean partner. This raises the costs allocated towards salary as the European partners cost more to incorporate. However, Cabo Verde does not yet have the sufficient capacity to lead international grants, hence why we need to hire a project officer (to which a large component of the funds are allocated).

The 'train-the-trainer' approach means that the cost of training the first cohort of Cabo Verdean scientists can be spread across future trainees, significantly increasing value for money per participant. Additionally, the enhancement of in-country capacity and capability to monitor offshore ecosystems opens up funding and collaboration opportunities for scientists in Cabo Verde, essentially allowing for further investment and financial spend in-country. Other ways in which the design of the project eliminates unnecessary expenses includes use of remote/hybrid training to reduce travel costs, open-access publication of resources to increase reach beyond Cabo Verde to other SIDS and in-kind salary contributions of the majority of project partners.

## **Section 12 - Safeguarding and Ethics**

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### **Q26. Safeguarding**

**Projects funded through the Darwin Initiative must fully protect vulnerable people all of the time, wherever they work. In order to provide assurance of this, projects are required to have appropriate safeguarding policies in place.**

**Please confirm the Lead Partner has the following policies in place and that these can be available on request:**

**Please upload the Lead Partner's Safeguarding Policy as a PDF on the certification page.**

<b>We have a safeguarding policy, which includes a statement of our commitment to safeguarding and a zero tolerance statement on bullying, harassment and sexual exploitation and abuse</b>	Checked
---	---------

<b>We have attached a copy of our safeguarding policy to this application (file upload on certification page)</b>	Checked
---	---------

<b>We keep a detailed register of safeguarding issues raised and how they were dealt with</b>	Checked
---	---------

<b>We have clear investigation and disciplinary procedures to use when allegations and complaints are made, and have clear processes in place for when a disclosure is made</b>	Checked
---	---------

<b>We share our safeguarding policy with all partners</b>	Checked
---	---------

**We have a whistle-blowing policy which protects whistle blowers from reprisals and includes clear processes for dealing with concerns raised** Checked

---

**We have a Code of Conduct for staff and volunteers that sets out clear expectations of behaviours - inside and outside the work place - and make clear what will happen in the event of non-compliance or breach of these standards** Unchecked

---

**Please outline how you will implement your safeguarding policies in practice and ensure that all partners apply the same standards as the Lead Partner. If any of the responses are “no”, please indicate how it is being addressed.**

UAveiro follows a Gender Equality Plan ([www.ua.pt/en/gender-equality](http://www.ua.pt/en/gender-equality)) and resolves disputes through a Disciplinary Committee ([www.ua.pt/en/comissao-disciplinar](http://www.ua.pt/en/comissao-disciplinar)). Although a formal behavioural Code of Conduct is not in place at UAveiro, it does have an Ethics and Deontology Committee responsible for addressing safeguarding issues ([www.ua.pt/pt/ced/](http://www.ua.pt/pt/ced/)). Safeguarding policies and practices will be introduced during the initial project kick-off meeting so that all partners are aware of these. During the training and workshops, care will also be given to ensure these policies are introduced and adhered to by all participants and staff.

## Section 13 - FCDO Notifications

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### Q27. FCDO Notifications

**Please state whether there are sensitivities that the Foreign Commonwealth and Development Office will need to be aware of should they want to publicise the project's success in the Darwin Initiative in any country.**

No

**Please indicate whether you have contacted FCDO Embassy or High Commission to discuss the project and attach details of any advice you have received from them.**

Yes (no written advice)

## Section 14 - Project Staff

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### Q28. Project staff

**Please identify the core staff (identified in the budget), their role and what % of their time they will be working on the project.**

**Please provide 1-page CVs or job description, further information on who is considered core staff can be found in the Finance Guidance.**

Name (First name, Surname)	Role	% time on project	1 page CV or job description attached?
Teresa, Amaro	Project Leader	20	Unchecked
Sofia, Pinto Ramalho	Teaching, reporting and outreach	15	Unchecked
Marina, R Cunha	Teaching and reporting	10	Unchecked
Kerry, Howell	Teaching and reporting	5	Unchecked



**Do you require more fields?**

Yes

<b>Name (First name, Surname)</b>	<b>Role</b>	<b>% time on project</b>	<b>1 page CV or job description attached?</b>
Amelia, Bridges	Management, teaching and reporting	40	Unchecked
Kirsty, McQuaid	Teaching and knowledge exchange	10	Unchecked
Benjamin, Wigham	Teaching and reporting	5	Unchecked
Rui, Freitas	Training, coordination and management and student supervision (Msc Students)	15	Unchecked
Adilson, Semedo	Training and outreach	10	Unchecked
Tommy, Melo	Training and outreach	10	Unchecked
Alberto, Queiruga	Training and outreach	10	Unchecked
Mara, Abu-Raya	Training, coordination and management and student supervision (Msc Students)	10	Unchecked

**Please provide 1 page CVs (or job description if yet to be recruited) for the project staff listed above as a combined PDF.**

**Ensure the file is named clearly, consistent with the named individual and role above.**

- Combined CVs BAIT
- 07/11/2022
- 11:20:36
- pdf 1.65 MB

**Have you attached all project staff CVs?**

Yes

## **Section 15 - Project Partners**

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### **Q29. Project Partners**

**Please list all the Project Partners (including the Lead Partner) – i.e. the partner who will administer the grant and coordinate the delivery of the project), clearly setting out their roles and responsibilities in the project and the extent of their engagement so far and planned.**

**This section should demonstrate the capability and capacity of the Project Partners to successfully deliver the project. Please provide Letters of Support for all project partners or explain why this has not been included.**

**Lead Partner name:** University of Aveiro (UAveiro)

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**Website address:** [www.ua.pt](http://www.ua.pt)

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**Why is this organisation the Lead Partner, and what value to they bring to the project? (including roles, responsibilities and capabilities and capacity):**

UAveiro is one of the most dynamic, innovative and highly regarded Portuguese universities with extensive experience in coordinating and collaborating on multi-partner national and international projects. Particularly relevant are the recent programmes established in close collaboration with the Cabo Verde universities, NGOs and local communities, through the COAST project, led by the project leader TA. TA brings her experience leading and managing research work in Cabo Verde and her already established collaboration with key local entities. During her allocated time, she will manage and oversee the project.

The UAveiro team gathers overall strong expertise in benthic ecology research, with proven experience in both leading (MRC) and participating in European projects (TA, SPR). The UAveiro team has solid sea-going field experience, including expertise in the deployment and retrieval of scientific instruments such as imagery platforms, species identification and imagery analyses; training and supervision of students at various education levels and outreach activities. In collaboration with the UK partners, the team will be developing the training protocols and materials, as well as exploring outreach activities to engage with local communities.

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**International/In-country Partner**  International

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**Allocated budget (proportion or value):** £ [REDACTED]

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**Represented on the Project Board (or other management structure)**  Yes

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**Have you included a Letter of Support from this partner?**  Yes

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**Do you have partners involved in the Project?**

Yes

**1. Partner Name:** University of Plymouth (UPlymouth)

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**Website address:** <https://www.plymouth.ac.uk/>

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**What value does this Partner bring to the project?**

The University of Plymouth is a centre of excellence for world-leading marine research, supporting a range of disciplines including theoretical ecology and sustainable management.

**(including roles, responsibilities and capabilities and capacity):**

KH brings significant expertise in capacity development projects, development and use of small drop camera systems, and interpretation of resulting data for biodiversity observation and successful completion of large grants. During her allocated time, she will provide oversight to all aspects of the project, particularly the development of training material, and represents a core member of the project coordination team.

AB has experience in carrying out ecological research on oceanic islands, and working with the community to disseminate the resulting information. As a 40% FTE project officer, AB will develop the training protocols and materials with guidance from other project partners.

KM brings expertise regarding capacity development for marine biodiversity observation on the African continent and connections for shared learning. During her allocated time, KM will be responsible for engaging the knowledge exchange group and disseminating information beyond Cabo Verde.

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**International/In-country Partner**

International

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**Allocated budget:**

£ [REDACTED]

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**Representation on the Project Board (or other management structure)**

Yes

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**Have you included a Letter of Support from this partner?**

Yes

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**2. Partner Name:**

University of Newcastle (UNewcastle)

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**Website address:**

<https://www.ncl.ac.uk/nes/>

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**What value does this Partner bring to the project?**

The marine group at Newcastle University comprises over 30 staff drawn from a range of disciplines with expertise in underwater imagery, communications, ecology, policy and management.

**(including roles, responsibilities and capabilities and capacity):**

BW brings significant expertise in the design and application of deep-sea technology for ecological research. During allocated time on the project he will oversee the supply and build of deep-water autonomous camera systems.

During his allocated time, he will provide input to all aspects of the project, particularly the development of training materials and field survey design, and represents a key member of the project coordination team.

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**International/In-country Partner**

International

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**Allocated budget:**

£ [REDACTED]

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**Representation on the Project Board (or other management structure)**  Yes

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**Have you included a Letter of Support from this partner?**  Yes

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**3. Partner Name:** Universidade Técnica do Atlântico (UTA)

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**Website address:** <https://uta.cv>

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**What value does this Partner bring to the project?** UTA is one of two higher education institutes on Cabo Verde, providing technical and professional training for marine sectors as well as undertaking applied marine research with the Instituto do Mar (IMAR).

**(including roles, responsibilities and capabilities and capacity):** Whilst academics from UTA have experience in shallow-water marine surveys using several camera systems, as well as the interpretation of image data, there is no capacity for monitoring offshore ecosystems beyond diver depths. RF, the project partner from UTA, is a permanent member of staff with teaching responsibilities. Their role will be to undertake training in all aspects of the monitoring programme and disseminate this information to future students.

---

**International/In-country Partner**  In-country

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**Allocated budget:** £ [REDACTED]

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**Representation on the Project Board (or other management structure)**  Yes

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**Have you included a Letter of Support from this partner?**  Yes

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**4. Partner Name:** Universidade de Cabo Verde (UNICV)

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**Website address:** <https://www.unicv.edu.cv/pt/>

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**What value does this Partner bring to the project?**

UNICV is a centre for teaching, science and technology with experience in creating, disseminating and promoting the study and research cultures. Disciplines covered at UNICV include marine ecology, shallow-water marine and coastal monitoring, and coastal management.

**(including roles, responsibilities and capabilities and capacity):**

UNICV is providing two partners for BAIT. MA brings experience in ecological research and monitoring in the coastal zone of Cabo Verde, as well as project management and collaboration. MA was part of the team responsible for designing the management and monitoring plan for Cabo Verde's coastal zone. During their allocated time on the project, MA will facilitate on-island coordination and undertake training to develop capacity to extend monitoring capabilities from shallow-water to offshore. Similarly to RF, MA is a permanent staff member and will be responsible for training future scientists in offshore observation and monitoring.

AS has experience working with the local community to promote stakeholder engagement with a focus on the role of gender in fishing communities. Within BAIT, AS will play a key role in community engagement and undertake monitoring training.

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**International/In-country Partner**

In-country

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**Allocated budget:**

£ [REDACTED]

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**Representation on the Project Board (or other management structure)**

Yes

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**Have you included a Letter of Support from this partner?**

Yes

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**5. Partner Name:**

Biosfera

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**Website address:**

<https://www.biosfera1.com>

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**What value does this Partner bring to the project?**

Biosfera is a Cabo Verdean NGO with more than 15 years of experience and fieldwork in the conservation of biodiversity and marine ecosystems, mainly on the islands of Santo Antão, São Vicente and the Santa Luzia Nature Reserve. Biosfera has a team of 9 biologists and 1 environmental scientist, in charge of implementing and executing various conservation projects, one of which focuses on the creation and co-management of marine protected areas.

**(including roles, responsibilities and capabilities and capacity):**

Biosfera will play a key role in coordinating the community engagement strategy of BAIT, as well as participating in monitoring training. Biosfera will support the project through provision of its vessel for fieldwork, as well as use of its office space for workshops.

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**International/In-country Partner**

In-country

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**Allocated budget:**

£ [REDACTED]

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**Representation on the Project Board (or other management structure)**  Yes

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**Have you included a Letter of Support from this partner?**  Yes

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**6. Partner Name:** *No Response*

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**Website address:** *No Response*

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**What value does this Partner bring to the project?** *No Response*

**(including roles, responsibilities and capabilities and capacity):**

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**International/In-country Partner**  International  
 In-country

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**Allocated budget:** £0.00

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**Representation on the Project Board (or other management structure)**  Yes  
 No

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

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

*No Response*

**Please provide a combined PDF of all letters of support.**

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- Combined\_LoS\_BAIT
- 07/11/2022
- 09:44:47
- pdf 1.23 MB

## **Section 16 - Lead Partner Capability and Capacity**

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Q30. Lead Partner Capability and Capacity

**Has your organisation been awarded Darwin Initiative, Darwin Plus or Illegal Wildlife Trade Challenge Fund funding before (for the purposes of this question, being a partner does not count)?**

No

**If no, please provide the below information on the lead partner.**

**What year was your organisation established/ incorporated/ registered?** 01 January 1973

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**What is the legal status of your organisation?**  University

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**How is your organisation currently funded?** UAveiro is a public foundation under private law, funded through public state funds (government budget, around 44%) and other self-derived revenue (tuition fees, service procurement, other revenue related to R&D&I activity, around 56%).

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**Describe briefly the aims, activities and achievements of your organisation. Large organisations please note that this should describe your unit or department.**

**Aims** CESAM's mission is to develop impactful research on environmental sciences, aiming among other things, to promote the sustainable and knowledge-based use of aquatic resources (including in the deep sea), in line with the national research and innovation strategies for smart specialization, EU priorities and UN SDG for 2030.

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**Activities** Modelling and forecasting of atmospheric and hydrodynamic processes, Terrestrial and aquatic biodiversity, mineral and energy resources, ecosystems structure, functions and services, and risk assessment from sub-cellular to ecosystem levels, Development and validation of environmentally friendly technologies, analytical chemistry, marine geophysics, and ecotoxicological methods, Omics' technologies and bioinformatics, Stakeholder engagement.

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**Achievements** In the last 5 years, CESAM has more than 2500 ISI papers, of which 25% were published in the top 10% corresponding scientific areas. As a result, CESAM has been invited to give recommendations at the EU and has been involved in capacity building activities in developing and emerging nations.

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**Provide detail of 3 contracts/projects held by the Lead Partner that demonstrate your credibility as an organisation and provide track record relevant to the project proposed.**

**These contracts/awards should have been held in the last 5 years and be of a similar size to the grant requested in your application.**

**Contract/Project 1 Title** Conservation of marine ecosystems around Santo Antão, Cabo Verde: implications for policy and society (COAST).

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<b>Contract Value/Project budget (include currency)</b>	[REDACTED]
<b>Duration (e.g. 2 years 3 months)</b>	3 years
<b>Role of organisation in project</b>	Project leader
<b>Brief summary of the aims, objectives and outcomes of the project</b>	To a) characterise and map pelagic and benthic habitats, as well as anthropogenic pressures of Santo Antão, b) estimate patterns of diversity in marine communities in relation to habitat features, c) assess the vulnerability of the studied communities to both environmental and anthropogenic pressures, through the application of risk assessment models, d) implement conservation and restoration actions for selected habitats/ecosystems based on the results of the first 3 objectives, e) provide baseline data that inform policymakers, authorities, institutions and practitioners towards effective marine conservation and restoration in these habitats and demonstrate the repeatability of the proposed approach in other regions.
<b>Client/independent reference contact details (Name, e-mail)</b>	Teresa Amaro [REDACTED]
<b>Contract/Project 2 Title</b>	Mining Impact II
<b>Contract Value/Project budget (include currency)</b>	[REDACTED]
<b>Duration (e.g. 2 years, 3 months)</b>	3 years
<b>Role of organisation in project</b>	Co-leading WP3 (TA) of the project and participating in all the WPs.
<b>Brief summary of the aims, objectives and outcomes of the project</b>	To set up a comprehensive monitoring programme to ensure an independent scientific investigation of the environmental impacts of an industrial component trial of a nodule collector system by the Belgian contractor DEME-GSR. The DEME-GSR collector test intends to harvest nodules in approx. 0.1 km <sup>2</sup> large areas of the seabed in the Belgian and the German contract areas of the Clarion Clipperton Zone in the Eastern Equatorial Pacific Ocean. Two cruises were done to the test areas in order to constrain the spatial and temporal dynamics of the sediment plume created by the mining test and impact on the abyssal environment.
<b>Client/independent reference contact details (Name, e-mail)</b>	[REDACTED] [REDACTED]



**Contract/Project 3 Title** Impact of climate-driven changes in megafaunal communities (invertebrates) in the Pacific Ocean.

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**Contract Value/Project budget (include currency)** [REDACTED]

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

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**Role of organisation in project** Project leader from the EU Framework Programme for Research and Innovation Marie Sklodowska-Curie Actions (Brussels, BE)  
GRANT\_Number 327488

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**Brief summary of the aims, objectives and outcomes of the project** The general aim of the present project is to provide a comprehensive insight about the link between climate induced change and deep-sea ecosystems, capitalising on existing research efforts at the Mediterranean Sea. The results of this project will provide background knowledge for the planning of future resource management and define the best strategies for sustainable use of deep-sea resources.

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**Client/independent reference contact details (Name, e-mail)** Teresa Amaro  
[REDACTED]

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**Have you provided the requested signed audited/independently examined accounts (or other financial evidence - see Finance Guidance)?**

**If yes, please upload these on the certification page. Note that this is not required from Government Agencies.**

Yes

## Section 17 - Certification

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### Q30. Certification

**On behalf of the**

Trustees

**of**

UNIVERSIDADE DE AVEIRO

**I apply for a grant of**

£200,000.00

**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 have enclosed CVs for key project personnel, a cover letter, letters of support, a budget, Safeguarding Policy and project implementation timetable
- Our last two sets of signed audited/independently verified accounts and annual report (or other financial evidence – see Finance Guidance) are also enclosed.

Checked

<b>Name</b>	ARTUR MANUEL SOARES DA SILVA
<b>Position in the organisation</b>	VICE-RECTOR FOR RESEARCH, 3RD CYCLE AND INNOVATION
<b>Signature (please upload e-signature)</b>	<input type="checkbox"/> <a href="#">Certification UAveiro signed</a> <input type="checkbox"/> 06/11/2022 <input type="checkbox"/> 21:22:48 <input type="checkbox"/> pdf 371.67 KB
<b>Date</b>	04 November 2022

**Please attach the requested signed audited/independently examined accounts or other financial evidence (see Finance Guidance)**

- |   |  |
|---|--|
| <input type="checkbox"/> <a href="#">UAveiro Finance Summary Report justification</a><br><input type="checkbox"/> 07/11/2022<br><input type="checkbox"/> 12:16:06<br><input type="checkbox"/> pdf 128.69 KB | <input type="checkbox"/> <a href="#">UAveiro Finance Summary Report 2021-2019 signed</a><br><input type="checkbox"/> 02/11/2022<br><input type="checkbox"/> 17:26:26<br><input type="checkbox"/> pdf 469.79 KB |
|---|--|

**Please upload the Lead Partner's Safeguarding Policy as a PDF**

- [GEPUA 2021-25 EN](#)
- 02/11/2022
- 17:24:16
- pdf 1.77 MB

## Section 18 - Submission Checklist

### Checklist for submission

	Check
<b>I have read the Guidance, including the “Darwin Initiative Guidance”, “Monitoring Evaluation and Learning Guidance”, “Risk Management Guidance”, and “Finance Guidance”.</b>	Checked
<b>I have read, and can meet, the current Terms and Conditions for this fund.</b>	Checked
<b>I have provided actual start and end dates for the project.</b>	Checked
<b>I have provided my budget based on UK government financial years i.e. 1 April – 31 March and in GBP.</b>	Checked

<b>I have checked that our budget is complete, correctly adds up and I have included the correct final total at the start of the application.</b>	Checked
<b>The application been signed by a suitably authorised individual (clear electronic or scanned signatures are acceptable).</b>	Checked
<b>I have attached the below documents to my application:</b>	Checked
<ul style="list-style-type: none"> <li>• <b>My budget (which meets the requirements above)</b></li> </ul>	
<ul style="list-style-type: none"> <li>• <b>My completed implementation timetable as a PDF using the template provided</b></li> </ul>	Checked
<ul style="list-style-type: none"> <li>• <b>I have included a 1 page CV or job description for all the Project Staff identified at Question 28, including the Project Leader, or provided an explanation of why not.</b></li> </ul>	Checked
<ul style="list-style-type: none"> <li>• <b>A letter of support from the Lead Partner and partner(s) identified at Question 29, or an explanation of why not.</b></li> </ul>	Checked
<ul style="list-style-type: none"> <li>• <b>I have included a cover letter from the Lead Partner, outlining how any feedback received 1 has been addressed where relevant.</b></li> </ul>	Checked
<ul style="list-style-type: none"> <li>• <b>I have included a copy of the Lead Partner's safeguarding policy, which covers the criteria listed in Question 26.</b></li> </ul>	Checked
<ul style="list-style-type: none"> <li>• <b>I have included a signed copy of the last 2 annual report and accounts for the Lead Partner (or other financial evidence – see Finance Guidance), or provided an explanation if not.</b></li> </ul>	Checked
<b>(If copying and pasting into Flexi-Grant) I have checked that all my responses have been successfully copied into the online application form.</b>	Checked
<b>I have been in contact with the FCDO in the project country/ies and have included any evidence of this. If not, I have provided an explanation of why not.</b>	Checked
<b>I have checked the Darwin Initiative website immediately prior to submission to ensure there are no late updates.</b>	Checked
<b>I have read and understood the Privacy Notice on the Darwin Initiative website.</b>	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 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 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 the Darwin Initiative including project details (usually title, lead partner, project leader, location, and total grant value).

Project Title: Building local capacity to protect national marine biodiversity (BAIT)

	Activity	No. of months	Year 1 (23/24)				Year 2 (24/25)			
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Output 1	Improved national capacity for deep-water marine biodiversity research. On-island participants are confident in all aspects of the process (maintenance of equipment, fieldwork, data and analysis and archiving).									
1.1	Develop training protocols and resources for fieldwork and data analysis	8	X	X			X	X		
1.2	Identify in-person fieldwork trainees (advertise MSc scholarships and select recipients; identify knowledge transfer visit candidates)	1	X				X			
1.3	Deliver training courses to on-island participants and knowledge transfer participants	3			X	X			X	X
1.4	Collate feedback from training participants	<1			X				X	
1.5	Write final project report outlining the capacity and capability that has been developed, evaluating the project as whole (including feedback)	1								X
Output 2	National-level community awareness of marine ecosystems and their importance									
2.1	Design community engagement strategy based around sharing imagery and video from fieldwork	2		X						
2.2	Develop outreach resources (e.g. national marine species fact sheets) using BAIT-collected imagery	6		X	X				X	X

Project Title: Building local capacity to protect national marine biodiversity (BAIT)

	Activity	No. of months	Year 1 (23/24)				Year 2 (24/25)			
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
2.3	Visit schools to run workshops, incorporating marine biodiversity and conservation into the state curriculum	3			X	X	X		X	X
2.4	Organise annual project conference, inviting stakeholders from different sectors of society including local government, youth ambassadors, university students and general public	1			X				X	
Output 3	Established pathways to policy impact for BAIT data (i.e. links to government) to promote blue growth									
3.1	Invite individuals in key government departments (≥2) to sit on a science-policy interface board	<1	X							
3.2	Run workshops with the science-policy interface board to identify where and how BAIT data can contribute to Cabo Verde environmental legislation, thus ensuring outputs from BAIT are useful	1		X	X		X		X	
Output 4	Knowledge exchanged with nations outside Cabo Verde									
4.1	Introduce project to wider knowledge exchange team	<1	X							
4.2	Through discussion, ascertain how projects similar to BAIT could help other SIDS and developing nations	1	X				X			
4.3	Share all training resources with knowledge exchange team to distribute among colleagues	1				X				X