

# **DPLR1\1085**

## **Developing biodiversity stewardship among TCI fishers through outreach and education**

### Overall objective:

To enhance biodiversity protection, compliance and stewardship among fishers in the TCI through outreach and education addressing fisheries regulations and the reasoning behind them.

### The current situation and the problem the project is trying to address:

The predominantly free-diving commercial fisheries of the Turks and Caicos Islands have the potential to be among the most sustainable in the world: zero bycatch, zero plastic waste, zero ghost-fishing, high selectivity, low intensity fishing methods, minimal damage to habitats, and there are relatively few full-time fishers operating over a large area which itself is supported by an expansive network of no-take marine protected areas. However, the sustainability of these fisheries is compromised by a lack of understanding of the complex system of regulations that govern harvesting of marine resources in the TCI: in >130 pages of complicatedly-written legislation, regulations specifically address >20 species (or species groups) through a combination of harvest bans, minimum and maximum sizes, closed seasons and other restrictions; they also define restrictions on different fishing gears and >20 different areas closed to fishing. Widespread understanding is particularly important because regulations also pertain to multiple species of global or regional conservation concern: hawksbill turtles and Nassau groupers (both critically endangered, IUCN Red List), green turtles (endangered, IUCN Red List), queen conch (listed in CITES Appendix II), sharks and rays, and functionally important herbivorous parrotfishes; and regulations also seek to protect the fragile coral reef environments in and around which fishers operate. While enforcement is important, compliance is impossible if fishers are not familiar with the rules. Understanding the reasoning behind restrictions is also key to developing stakeholder support, stewardship, and to nurture compliance. However, education and outreach have not been tailored to the large component of fishers who either do not speak English (e.g., foreign assistant fishers from Haiti and the Dominican Republic) or struggle with literacy, and little effort has been made to explain the logic behind the regulations.

### What success will look like and how we will measure it:

The project will develop outreach and education materials in English, Haitian Creole, and Spanish, with infographics tailored to fishers and fish workers who struggle with literacy. The project is designed to alleviate and not add to the administrative burden on government departments by developing materials that do not take additional effort to deliver. These materials include videos (open-access online), measuring gauges and other reference materials for sizes, seasons and other fishing restrictions (the form of which will be co-designed through meetings listed below), and leaflets summarizing regulations pertinent to commercial fishers. All materials will be in forms that can be easily edited to incorporate any future amendments to the regulations and therefore remain up to date. Using a co-design process to prioritize the information to be included and the format in which they are presented, meetings/workshops will be held with fishers, the Department of Fisheries and Marine Resources Management, and the Department of Environment and Coastal Resources. The project will also investigate the possibility of implementing mandatory information sessions during the licencing process for commercial fishers (e.g., applicants must watch a video), with sessions tailored to foreign assistant fishers being a high priority.

### Specific measures of success include:

- Number of partner meetings and workshops held
- Number of stakeholder/fishers meetings held
- Number of fishers and fish workers consulted
- Number of leaflets developed and printed in 3 languages
- Number of measuring gauges produced
- Number of additional reference materials produced
- Videos produced in 3 languages and made publicly available online

**CONTACT DETAILS**

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**Title** Ms  
**Name** Marta  
**Surname** Calosso  
**Organisation** FisherFolkFirst  
**Website (Work)** [Redacted]  
**Tel (Mobile)** [Redacted]  
**Tel (Work)** [Redacted]  
**Email (Work)** [Redacted]  
**Address** [Redacted]

**CONTACT DETAILS**

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**Title** Dr  
**Name** John  
**Surname** Claydon  
**Organisation** FisherFolkFirst  
**Website (Work)** [Redacted]  
**Tel (Work)** [Redacted]  
**Email** [Redacted]  
**Address** [Redacted]

# DPLR1\1085

Developing biodiversity stewardship among TCI fishers through outreach and education

## Section 1 - Project Title & Contact Details

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### Q1. Project Title

Developing biodiversity stewardship among TCI fishers through outreach and education

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

Organisation

#### CONTACT DETAILS

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<b>Title</b>	Ms
<b>Name</b>	Marta
<b>Surname</b>	Calosso
<b>Organisation</b>	FisherFolkFirst
<b>Website (Work)</b>	[REDACTED]
<b>Tel (Mobile)</b>	[REDACTED]
<b>Tel (Work)</b>	[REDACTED]
<b>Email (Work)</b>	[REDACTED]
<b>Address</b>	[REDACTED]

#### CONTACT DETAILS

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**Title** Dr  
**Name** John  
**Surname** Claydon  
**Organisation** FisherFolkFirst  
**Website (Work)** [REDACTED]  
**Tel (Work)** [REDACTED]  
**Email** [REDACTED]  
**Address** [REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]

## GMS ORGANISATION

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Type	Organisation
<b>Name</b>	FisherFolkFirst
<b>Phone (Work)</b>	[REDACTED]
<b>Email (Work)</b>	[REDACTED]
<b>Website (Work)</b>	[REDACTED]
<b>Address</b>	[REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED]

## Section 2 - Overseas Territory(ies)

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### 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.

Turks & Caicos Islands (TCI)

**\* 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

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### 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.


<b>Project Leader name (Guidance section 3.1):</b>	Marta Calosso
<b>Lead Partner name (if applying as an organisation; Guidance section 3.1):</b>	FisherFolkFirst
<b>Lead Partner Website (if applicable):</b>	<a href="http://www.fisherfolkfirst.org/">http://www.fisherfolkfirst.org/</a>
<b>Is the Lead Partner based in a UKOT where the project is working (Guidance section 3.1)?</b>	<input checked="" type="radio"/> Yes
<b>List other partners involved and where are they based (Guidance section 3.2):</b>	<p>Dr John Claydon - Integrated Marine Biosphere Research Project (IMBeR), Dalhousie University, Nova Scotia, Canada</p> <p>Department of Fisheries and Marine Resources Management, Turks and Caicos Islands Government</p> <p>Department of Environment and Coastal Resources, Turks and Caicos Islands Government</p>
<b>Summary of roles and responsibilities of each partner in the project:</b>	<p>FisherFolkFirst: lead all aspects of project delivery, administration, implementation, and financial management.</p> <p>Dr John Claydon: assist in project delivery, administration, implementation, and financial management, and lead development of outreach materials.</p> <p>TCI Department of Fisheries and Marine Resources Management: guidance with prioritizing specific aspects of protected areas (National Parks) regulations to be included in outreach and education materials.</p> <p>TCI Department of Environment and Coastal Resources: guidance with prioritizing specific aspects of fisheries regulations to be included in outreach and education materials.</p>
<b>I confirm that all listed partners are aware of this application and have indicated support:</b>	Checked


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

 [Cover letter FisherFolkFirst Darwin Plus Local](#)

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## Section 4 - Project Summary & Description

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### 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.**

Improved compliance, stewardship, and support for fisheries regulations is critical in the Turks and Caicos Islands because fishers target species of conservation concern (hawksbill and green turtles, Nassau grouper, queen conch, and sharks and rays) and operate in and around fragile coral reefs. The project will co-design and deliver outreach and education materials for commercial fishers. These materials will explain the pertinent regulations and the reasoning behind them, using formats accessible to non-English speakers and those struggling with literacy.

### 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?**

Overall objective:

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The current situation and the problem the project is trying to address:

The predominantly free-diving commercial fisheries of the Turks and Caicos Islands have the potential to be among the most sustainable in the world: zero bycatch, zero plastic waste, zero ghost-fishing, high selectivity, low intensity fishing methods, minimal damage to habitats, and there are relatively few full-time fishers operating over a large area which itself is supported by an expansive network of no-take marine protected areas. However, the sustainability of these fisheries is compromised by a lack of understanding of the complex system of regulations that govern harvesting of marine resources in the TCI: in >130 pages of complicatedly-written legislation, regulations specifically address >20 species (or species groups) through a combination of harvest bans, minimum and maximum sizes, closed seasons and other

restrictions; they also define restrictions on different fishing gears and >20 different areas closed to fishing. Widespread understanding is particularly important because regulations also pertain to multiple species of global or regional conservation concern: hawksbill turtles and Nassau groupers (both critically endangered, IUCN Red List), green turtles (endangered, IUCN Red List), queen conch (listed in CITES Appendix II), sharks and rays, and functionally important herbivorous parrotfishes; and regulations also seek to protect the fragile coral reef environments in and around which fishers operate. While enforcement is important, compliance is impossible if fishers are not familiar with the rules. Understanding the reasoning behind restrictions is also key to developing stakeholder support, stewardship, and to nurture compliance. However, education and outreach have not been tailored to the large component of fishers who either do not speak English (e.g., foreign assistant fishers from Haiti and the Dominican Republic) or struggle with literacy, and little effort has been made to explain the logic behind the regulations.

What success will look like and how we will measure it:


The project will develop outreach and education materials in English, Haitian Creole, and Spanish, with infographics tailored to fishers and fish workers who struggle with literacy. The project is designed to alleviate and not add to the administrative burden on government departments by developing materials that do not take additional effort to deliver. These materials include videos (open-access online), measuring gauges and other reference materials for sizes, seasons and other fishing restrictions (the form of which will be co-designed through meetings listed below), and leaflets summarizing regulations pertinent to commercial fishers. All materials will be in forms that can be easily edited to incorporate any future amendments to the regulations and therefore remain up to date. Using a co-design process to prioritize the information to be included and the format in which they are presented, meetings/workshops will be held with fishers, the Department of Fisheries and Marine Resources Management, and the Department of Environment and Coastal Resources. The project will also investigate the possibility of implementing mandatory information sessions during the licencing process for commercial fishers (e.g., applicants must watch a video), with sessions tailored to foreign assistant fishers being a high priority.


Specific measures of success include:


- Number of partner meetings and workshops held
- Number of stakeholder/fishers meetings held
- Number of fishers and fish workers consulted
- Number of leaflets developed and printed in 3 languages
- Number of measuring gauges produced
- Number of additional reference materials produced
- Videos produced in 3 languages and made publicly available online


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

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 [FisherFolkFirst Non Profit Organization](#)

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 23:04:41

 jpg 2.04 MB

## Section 5 - Project Outcome(s)

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### 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:**

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

**Please justify your selection.**

Biodiversity: better compliance will reduce impacts on fisheries species of conservation concern (hawksbill and green turtles, Nassau grouper, queen conch, sharks and rays, parrotfishes) and reduce damage to coral reefs.

Environmental quality: better compliance will alleviate pressure on marine protected areas and result in less impactful fishing practices on coral reefs.

Capability and Capacity Building: the project will develop understanding, awareness, and support among fishers, as well as developing the capacity of government departments to deliver outreach and education materials for fishers.





## **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.**

<b>Start date:</b>	<b>End date:</b>	<b>Duration (e.g. 3 months):</b>
01 April 2023	31 December 2023	9 months

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

-  [FisherFolkFirst R1 DPlus Local Implementation Timetable Template](#)
-  14/02/2023
-  23:09:14
-  docx 33.83 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?

Staff costs as in-kind-support: GBP [REDACTED] (2 staff x 2 months @ GBP [REDACTED] per month)

Budget line	Explanation	Cost in GBP
<b>Staff costs:</b>	Staff costs as in-kind-support: GBP [REDACTED] (2 staff x 2 months @ GBP [REDACTED] per month)	[REDACTED]
<b>Overhead costs:</b>	N/A	[REDACTED]
<b>Travel &amp; subsistence costs:</b>	30 nights accommodation @ [REDACTED] GBP per night 4 return trips Providenciales to South Caicos @ [REDACTED] GBP 2 return trips Providenciales to Grand Turk @ [REDACTED] GBP Per diem: 2x 45 days @ [REDACTED] GBP x day	[REDACTED]
<b>Operating costs:</b>	Commercial fisher boat charter: 5 days @ [REDACTED] GBP per day Car rental: 45 days @ [REDACTED] GBP per day	[REDACTED]
<b>Capital equipment:</b>	iPhone 14 Pro (for video): [REDACTED] GBP Microphone: [REDACTED] GBP Gimbal: [REDACTED] GBP Tripod: [REDACTED] GBP GoPro Hero 11 plus accessories: [REDACTED] GBP	[REDACTED]

Translation (English to Haitian Creole; English to Spanish): 2x 8 hours @ [REDACTED] GBP per hour

Filming: [REDACTED] GBP

Financial audit: [REDACTED] GBP

**Consultancy costs:**

Graphic artist: [REDACTED] GBP

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Other costs:

Printing stickers: 300 @ [REDACTED] GBP

Printing leaflets: 300 @ [REDACTED] GBP

Gauges: 300 @ [REDACTED] GBP

Shipping: [REDACTED] GBP

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**Total:**

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**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)**

N/A

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

N/A

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

Travel, accommodation, and per diem in South Caicos and Grand Turk is necessary for meetings/workshops with fishers and Government representatives.

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

Commercial fisher boat rental is necessary for filming fishing practices.  
Car rental is necessary while on Grand Turk and South Caicos.

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

N/A

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

Translation into Haitian Creole and Spanish is essential to make materials accessible to foreign national fishers.

A local graphic artist will be employed to create leaflets and stickers.

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

Production of outreach materials (i.e. stickers) at sufficient volume (at least 300 units) is necessary.  
Production of at least 300 minimum size gauges is necessary to distribute to commercial fishers.

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**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?



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

No Response

## 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.

The project specifically addresses the combination of regulations pertinent to fisheries defined in the Turks and Caicos Islands Fisheries Protection Ordinance and National Parks Ordinance. The development of a measuring gauge(s) will allow fishers to comply with Fisheries Protection Regulation 14(3) requiring such gauges to be on vessels while fishing for conch, spiny lobster or turtles.

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

Natural disasters- hurricanes	NOAA's National Hurricane Centre advisory ( <a href="https://www.nhc.noaa.gov/">https://www.nhc.noaa.gov/</a> ) will be monitored daily during the project and project personnel will follow all guidance provided by the TCI Dept. Disaster Management and Emergency
Sexual harassment	Project staff will hold meetings in open settings, avoiding private one-on-one interactions with stakeholders behind closed doors.
<i>No Response</i>	<i>No Response</i>

**Do you require more fields?**

No

## Section 10 - Terms & Conditions

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### 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

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# 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

<b>Name:</b>	Marta C Calosso
<b>Position in the organisation: (if applicable)</b>	Executive Director and Founder
<b>Signature (please upload e-signature)</b>	 <a href="#">Marta sig2</a>  14/02/2023  23:47:38  jpg 699.67 KB
<b>Date:</b>	14 February 2023

## Section 12 - Submission Checklist

### Checklist for submission

	Check
<b>I have read the Guidance documents, including the “Darwin Plus Local Guidance” and the “Darwin Plus Local Finance Guidance”.</b>	Checked
<b>If my proposed project takes place on public lands or water, I have uploaded a Letter of Support from Government.</b>	Unchecked
<b>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).</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 summary budget based on UK government financial years i.e. 1 April – 31 March and in GBP in the application form.</b>	Checked
<b>I have uploaded my project implementation timetable using the specific template provided.</b>	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>The application has been signed by a suitably authorised individual (clear electronic or scanned signatures are acceptable).</b>	Checked
<b>I have checked the Darwin Plus 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 Plus 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 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).

Project Title: Developing biodiversity stewardship among TCI fishers through outreach and education

### 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	Meetings/workshops with DECR	2													
2	Meetings/workshops with DFMRM	2													
3	Meetings with fishers and fish workers	2													
4	Video storyboarding	2													
5	Video filming and audio capture (narration)	1													
6	Video editing	1													
7	Outreach/Education material design	2													
8	Outreach/Education material production	1													
9	Measuring gauge design	2													
10	Measuring gauge production	1													
11	Final report writing	1													