

Applicant: **Mengo, Elena**
Organisation: **Centre for Environment Fisheries & Aquaculture Science**
Funding Sought: **£7,020.37**
Funding Awarded: **£7,020.37**

DIR26PP\1061

DARPP213 Empowering local communities to develop sustainable aquaculture practices in Indonesia

Section 1 - Contact Details

PRIMARY APPLICANT DETAILS

Name Louise
Surname Rhoden
Organisation Centre for Environment Fisheries
& Aquaculture Science
Tel (Work) [REDACTED]
Email (Work) [REDACTED]
Address [REDACTED]
[REDACTED]
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CONTACT DETAILS

Title Ms
Name Elena
Surname Mengo
Organisation Centre for Environment Fisheries
& Aquaculture Science
Tel [REDACTED]
Email [REDACTED]
Address [REDACTED]
[REDACTED]
[REDACTED]
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[REDACTED]
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GMS ORGANISATION

Type	Organisation
Name	Centre for Environment Fisheries & Aquaculture Science
Phone	[REDACTED]
Email	[REDACTED]
Address	[REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED]

Section 2 - Title & Location

Q3. Working title of the proposed Darwin project

DARPP213 Empowering local communities to develop sustainable aquaculture practices in Indonesia

Q4a. Host country (of proposed Partnership Project trip)

Indonesia

Q4b. If this is not the intended host country for the proposed Darwin project, please justify here

N/A

Q4c. Other collaborating country/ies

No



Q5. Is this a resubmission of a previous scoping/Partnership application?

No

Section 3 - Partnership Project Principals & Lead Organisation Summary


Q6. Principals in Partnership Project work i.e. the travellers

Please give the details of the individuals (up to 2) who would be directly involved in the Partnership Project work - i.e. making a visit to a host country. One page CVs must be uploaded below.


Details	Main traveller (Project Leader)	Second traveller
Surname	Mengo	No Response
Forename(s)	Elena	No Response
Post held	Environmental Economist	No Response
Organisation	Cefas - Centre for environment, fisheries and aquaculture science	No Response
Email		No Response
Country travelling from		No Response
Have you included an one page CV?	<input checked="" type="radio"/> Yes	<input type="radio"/> Yes <input type="radio"/> No

Please upload one page CVs for all Principals involved in Partnership Project work as a combined PDF.

 [CV Mengo Elena Cefas Darwin partnership](#)

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Q7a. About the lead applicant organisation

Briefly discuss your expertise in sustainable use or conservation of biodiversity and/or development. Please refer to recent track record you have in this field. You may be asked to provide evidence of this track record.

Cefas is a multidisciplinary scientific research centre delivering innovative solutions to meet the diverse needs of government (UK and international) and private sector organisations in the aquatic environment. Our diverse customer portfolio spans international governments, regional fishery management organisations, academia and industry.

Cefas has a strong track record of managing and delivering work internationally ranging from discrete projects in a single country to large-scale programmes of work with reach across the globe. For example, through the Newton Institutional Links, a collaboration between Cefas in the UK, and the University of Cebu (UC) in the Philippines was established to develop a GIS toolkit to identify suitable (seaweed) aquaculture production sites which maximize economic returns for local communities, whilst minimising environmental effects. Thanks to the tool, stakeholders have been actively empowered in decision making and sustainable development of their coastal resources.

Cefas also delivered interdisciplinary projects within the Commonwealth Marine Economies (CME) Programme, which is a multi-million pound package of UK Government support for Commonwealth Small Island Developing States (SIDS) in the Caribbean and Pacific regions, aiming to support sustainable marine economies that create jobs, drive national economic growth, reduce poverty, ensure food security and build resilience to climate change.

Q7b. Have you obtained a letter of support from the lead applicant organisation?

(If yes, please upload with the partner letters of support on the next page)

Yes

Section 4 - Project Partners

Q8. About the partner organisation(s)

Please list all the partners involved and explain their roles and responsibilities in the Partnership Project work. Briefly discuss your partner's expertise in sustainable use or conservation of biodiversity and/or development. Please refer to recent track record they have in this field. You may be asked to provide evidence of this track record. If there is more than 1 partner organisation, you can enter the details of more partners below. Please specify which of the partners is new to the partnership.

Partner name: Research Centre for Marine And Fisheries Product Processing and Biotechnology (English official name) Acronym: RCFPPB

Website address: <https://www.bbp4b.litbang.kkp.go.id/v2/>

Details of anticipated roles and responsibilities:

Mr Bagus Hendrajana is the head of Research Collaboration at RCFPPB and is responsible for overseeing and managing research collaborations with external collaborators. Mr Hendrajana is also responsible for scientific facilities management.
Dr. Hari Eko Irianto is an expert in fisheries post-processing and director of the research centre.

Expertise in sustainable use or conservation of biodiversity and/or development:

RCFPPB is a research organisation under the Ministry of Marine Affairs and Fisheries (MMAF), Republic of Indonesia, which is engaged mainly in the field of fishery products processing and marine biotechnology Research and Development. RCFPPB conducted several studies related to biodiversity, including Research on Marine Algae Pigments for the Pharmaceutical Industry and Innovation in Production of Collagen and Saponin Peptides from Sea Cucumbers to Support the Cosmetics Industry. They have also carried out research on by-products utilisation of the Pangasius sp. (catfish) Processing Industry.
In addition to doing pure research, RCFPPB also have the task of providing appropriate technology that can be directly utilised by coastal communities with the ultimate goal is to improve their standard of living.

Name of main contact and post held:





Dr. Hari Eko Irianto, Director

Letter of support submitted? Yes

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

No

Please provide a combined PDF of letters of support from the lead organisation and partner(s).

 [C8054 Darwin Partnership - Letters of Support](#)
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Q9. Can you confirm that at least one of the partners have not previously been in receipt of Darwin funds from the same lead partner?

Yes

Section 5 - Justification & Concept Notes

Q10. Justification of need for a Partnership Project

Please provide written details of why alternative funding is not available from within your own organisation or from other sources. Will matched funding be provided?

As an Executive Agency for Defra and not for profit organisation, Cefas does not have the financial capacity

to fund initiatives such as this project in their entirety through internal means. Where project objectives are aligned to the interests of Cefas and Defra strategies, opportunities sometimes exist for Cefas to provide match-funding to support delivery but programmes such as the Darwin Initiative are crucial for helping to realise the potential of collaborations such as proposed in this application.

As a named delivery party under the UK-Indonesia Bilateral Maritime MoU, Cefas have established strong working collaborations with a number of Government bodies in Indonesia. Projects include fisheries stock assessment; illegal trade of shark and ray products (IWT challenge fund); and microplastics lab development.

This Darwin Partnership project would build on the current collaborations to establish a new, impactful initiative with the Research and Development Centre for Marine and Fisheries Post-Processing and Biotechnology (RCFPPB). The support of a Partnership Project is required in order to facilitate engagement with RCFPPB to address key issues including:

Development of a project concept and logical framework that would form the basis of a main Darwin Initiative proposal;
Obtain an endorsement from RCFPPB, that will facilitate the required letter of support for a main project proposal;
Identify information and knowledge gaps, that can be addressed ahead of the main proposal.
In support of the project, Cefas will provide 7 days staff time and will cover a proportion of staff overheads costs, to a total value of £6,055.

Q11. Concept note for the Partnership Project

This question concentrates on the Partnership Project work and should demonstrate the objectives of the project including:

- objectives of the visit
- what work (including research, remote communications or other collaborations) has been carried out prior to applying for this project
- what work will be carried out under the Partnership Project – please see the guidance for advice on what type of activity can be funded
- evidence of the proposed partners' intentions to collaborate in your Partnership Project work

The objective of this partnership project is to work alongside the Indonesian partner (RCFPPB) to identify key issues preventing the adoption of more sustainable farming practices in coastal communities engaged in aquaculture and to highlight current examples of best-practices. This project would allow the partners to understand each other's core capabilities, discuss mechanisms for match funding, establish the roles and tasks that each organisation would contribute to during project implementation and allow for collaborative drafting of logical framework for the resultant Darwin Initiative full proposal.

It is anticipated that the main activities during the visit in country will include:

-Meetings with RCFPPB and their network within the Government to understand if they have already carried out activities, such as beach monitoring or beach cleaning, which have generated data on plastic contamination of the marine environment and identify gaps.

-Engagement with key aquaculture stakeholders (farmers' associations, and unions, fisherfolk associations, women's associations and policy makers) to understand current use of plastics in aquaculture operations and knowledge on their impacts in aquatic environments.

-Selection of the geographical areas with a density of aquaculture farms/ structures (and consequently an anticipated high load of associated plastics) that will be the target of plastics monitoring. This will be done by taking into consideration what is the policy drive and if there are sites of specific interest for the partners.

-Conduct initial interviews (by way of meetings and/or focus groups) aimed at providing a general profile of coastal communities engaged in aquaculture production.

-Identification of further contacts in the form of local project partners which will support with the preparation and design of a comprehensive socio-economic survey to be implemented during the main Darwin Initiative.

The project partners for this scoping award are the Centre for Environment, Fisheries and Aquaculture Science (Cefas) and the Research and Development Centre for Marine and Fisheries Post-Processing and Biotechnology (RCFPPB). Additional collaborative partners known to Cefas and RCFPPB, including the Indonesian Institute of Sciences (LIPI), will be invited to join workshop discussions as appropriate.

Cefas approached RCFPPB as potential partners for this project through a recommendation provided by existing Cefas contacts at the Indonesian Ministry of Maritime Affairs and Fisheries (MMAF). Cefas have a track record of collaborative projects with the Republic of Indonesia which align with the objectives of the UK-Indonesia Bilateral Maritime MoU (renewed June 2019), under which MMAF and Cefas are named as delivery parties. The work proposed in this current application would similarly form part of this Government to Government initiative.

Evidence of the partner's collaboration is demonstrated by the intention of RCFPPB to integrate potential activities foreseen to be carried out by all partners during the main Darwin project with research activities on microplastic undertaken by their Food Safety research group. Such activities are planned for delivery March/April next year (2020) with budget coming from other sources that they have already secured.

Additionally, RCFPPB will support Cefas' scoping visit by providing facilities and personnel to facilitate meetings and focus groups as in-kind contributions.

Q12. Concept note for the resultant project

This question concentrates on the full Darwin application you intend to submit after the Partnership Project and should discuss:

- the expected Outcome and Outputs of the resultant Darwin project
- how the resultant Darwin project would meet a need in the host country (and the wider region if applicable e.g. if the proposed project would be based in a UMIC)
- how the project would contribute to any or all of the Conventions and Treaties supported by Darwin, including the SDGs
- how the project will contribute to sustainable development in the country concerned
- briefly explain the proposed partner role(s) in the resultant Darwin project
- briefly the expected role of the Partnership Project travellers in the resultant Darwin project.

Indonesia is one of the top five aquaculture-producing countries globally and the second largest plastic polluter after China.

In Indonesia, and in the wider Southeast Asia, aquaculture plays a crucial role in supporting socio-economic development of coastal communities. Nonetheless, increasing environmental and societal pressures stemming from the rapid expansion of the sector call for more sustainable production practices and the promotion of marine stewardship.

During a previous Cefas-led project in Southeast Asia, two sources of environmental and social pressures from aquaculture activities emerged as relevant to the wider region: the abundant use of plastic materials and the overlooked role of women.

Therefore, we plan to propose a full Darwin project aimed at developing, together with coastal communities, best-practice guidelines on innovative practical approaches fostering the sustainability of aquaculture activities. The guidelines would contribute towards encouraging and empowering coastal communities, women especially, to take more control over the preservation of natural resources by monitoring and minimising the use and impact of plastic materials. It is anticipated that promoting such community environmental stewardship will contribute in the long term to the sustainable and inclusive development of coastal communities.

In addition, we expect that the guidelines will inform policy makers within the Ministry of Maritime Affairs in Indonesia, as well as other relevant departments, on best strategies to tackle plastic pollution caused by aquaculture and could also be adapted to other South East Asian countries, thus promoting sustainable aquaculture practices across the wider region.

The steps leading to the guidelines development will comprise:

1. Assessing plastics loads in proximity of selected aquaculture sites to produce a robust baseline dataset to measure future improvements.
2. Surveying selected aquaculture sites to outline the economic and social context of the sector, particularly focussing women's role.
3. Delivering training on removal, separation and re-use of plastics generated by aquaculture farms.
4. Providing scientific advice useful to develop policy recommendations.

The scientific advice that this project will make available to policy makers on the impact of plastic from aquaculture sources supports the SDG 14. Furthermore, by enhancing women's environmental stewardship and promoting more equitable participation in the aquaculture sector, this projects support SDG 5.

Cefas is at the forefront of research on marine plastic pollution and will provide training on the latest monitoring techniques. Cefas has also investigated socio-economic aspects of aquaculture in the Philippines gathering knowledge on farming techniques and socio-economic context of the sector. RCFPPB will provide in-country support and facilitate the project thanks to their expertise in providing innovative solutions to improve coastal communities standard of living.

Elena Mengo, the scoping traveller for the current application, will be the lead applicant for the full Darwin Initiative project. She leads research which aims to better understand women's experience with aquaculture. She has also carried out work under the Commonwealth Litter Programme to investigate stakeholders' attitudes towards marine litter in the South Pacific. As such, she is well placed to contribute to and complement this multidisciplinary project with her expertise in both aquaculture and marine litter issues.

Section 6 - Costs

Q13. Costs

Provide a detailed breakdown of costs to be funded by the Darwin Initiative in GBP.

	Main traveller	Second traveller	Total
Airfare including travel to airport	£ [REDACTED]	£0.00	£ [REDACTED]
Visas and other travel documents	£0.00	£0.00	£ 0.00
Daily subsistence rate per day	£ [REDACTED]	£0.00	
Number of days subsistence claimed (max 30 days per traveller)	[REDACTED]	0	
Total daily subsistence claimed (calculated from figures above)	£ [REDACTED]	£ 0.00	£ [REDACTED]
Workshop costs (please provide details below)			£0.00
Other costs (please provide details below)			£ [REDACTED]
		Total request from Darwin (must not exceed £10,000)	£ 7,020.37

Workshop costs

Please provide further details on your workshops costs (N/A if not relevant).

N/A

Other costs

Please provide further details on your other costs (N/A if not relevant).

Total staff costs required will provide 15 days, which will be made up of the following:

- a. 9 days for 1 member of Cefas staff to travel to Jakarta.
- b. 3 days of project management, covering financial, contractual and budgeting aspects.
- c. 3 staff days required for preparation; the set-up of the agenda, engage with partners, book flights, accommodation and in-country transfers.

This will ensure that the time in-country will be maximised, to address all the items on the agenda.

- d. Cefas will also provide 7 days (which is excluded from the costs above) in-kind to facilitate the above tasks and maintain communications post meeting.

Section 7 - Timetable & Activities

Q14. Provide anticipated dates of travel (start and finish) and activities to be undertaken on your trip.

N.B.: this question is specifically about your travel plans - your dates and specific milestones during travel - NOT your timetable to Stage 1 application. Your application will be considered ineligible if this section does not specifically cover your planned Partnership Project trip.

Date	Milestone
01 April 2020	START
01 April 2020	Confirmation of agenda and itinerary with in-country partner
18 April 2020	Fly to Jakarta
20 April 2020	Visit to the Research Centre for Marine And Fisheries Product Processing and Biotechnology (RCFPPB) plus meet Bagus Hendrajana and Dr. Hari Eko Irianto
21 April 2020	Meet Dr. Anna Kuswardani (MMAF, Indonesia) and Dr. Devi Basworo (Marine Research Center). Meeting regarding the assessment of their data availability and needs.
22 April 2020	Travel to Bali to engage with relevant stakeholders, industry representatives and women involved in aquaculture for selecting study area/s and scoping the local context.
23 April 2020	1. Meet with Kopernik representatives (https://kopernik.info/) in Bali.
24 April 2020	2. Meet with Samanta Skivere, CEO and Founder of Ministry of Waste on Penida Island.(https://www.ministryofwaste.org/mow-eng) Travel back to Jakarta.
25 April 2020	Workshop in Jakarta: prospective partners and key stakeholders to review Main Darwin proposal and draft the logical framework.
26 April 2020	Return to UK.
<i>No Response</i>	<i>No Response</i>
<i>No Response</i>	<i>No Response</i>
26 April 2020	FINISH

Q15. In what year would you expect to submit the full Darwin project application?

Ⓒ Round 27

Section 8 - Certification

Q16. Certification

On behalf of the

company

of

Cefas – Centre for environment, fisheries and aquaculture science

I apply for a grant of

£7,020.37

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 Partnership 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 uploaded CVs for project principals
- I have uploaded letters of support from the lead application organisation and the partner(s)


Checked


Name Steve Millward

Position in the organisation Operations Director

Signature (please upload e-signature)

 [C8054 Darwin Partnership -Certification](#)

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Date 28 October 2019

Section 9 - Submission Checklist

Checklist for submission

	Check
I have read the Guidance Notes for Main projects as well as the Guidance for Partnership Projects and am satisfied that this concept would be eligible for a main project application.	Checked
I have read, and can meet, the current Terms and Conditions for this fund.	Checked
I have provided anticipated start and end dates for my Partnership Project trip.	Checked

I have checked that my budget is complete and correctly adds up.	Checked
My application has been signed by a suitably authorised individual (clear electronic or scanned signatures are acceptable).	Checked
I have included one page CVs and letters of support as required.	Checked
I have checked the Darwin website immediately prior to submission to ensure there are no late updates.	Checked
I have read and understood the Privacy Notice on GOV.UK.	Checked

We would like to keep in touch! Please check this box if you would be happy for the lead applicant (Flexi-Grant Account Holder) and main traveller/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 this application form, including personal data, will be used by Defra as set out in the latest copy of the Privacy Notice for Darwin, Darwin Plus and the Illegal Wildlife Trade Challenge Fund available [here](#). This Privacy Notice must be provided to all individuals whose personal data is supplied in the application form. Some information, but not personal data, may be used when publicising the Darwin Initiative including project details (usually title, lead organization, location, and total grant value) on the GOV.UK and other websites. Information relating to the project or its results may also be released on request, including under the 2004 Environmental Information Regulations and the Freedom of Information Act 2000. However, Defra will not permit any unwarranted breach of confidentiality nor will we act in contravention of our obligations under the General Data Protection Regulation (Regulation (EU) 2016/679).