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**Bio-waste to energy for natural
resource conservation in the
Philippines**

Maddison, Neil | Living Earth

Funding sought
Project start/end

£3,963.00
5 Sep 2018 - 22 Sep 2018

1. Contact Details

Q1. Lead applicant contact details

Please enter the contact details for the lead applicant. The lead applicant is the same as the Flexi-Grant account holder. Please note that the Flexi-Grant account holder will be the only contact point for the application.

Mr Neil Maddison

Living Earth Ltd

Primary Applicant

www.livingearth.ltd (Work)

Stones Throw Newmans Lane, Timsbury,
Bath, Avon, BA2 0JA, United Kingdom (Work)

Q2. Lead organisation contact details

Please enter the applicant organisation details

Living Earth

www.livingearth.ltd

1 Kensington Gore, Kensington, London,
SW7 2AR, United Kingdom (Work)

Please add any 'Committee Feedback' to the field below:

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Please add any 'Specific Ineligibility' feedback to the field below:

Please add any 'Conditions' to the field below:

Please add any 'Positive Feedback' to the field below:

2. Title & Location

Q3. Working title of the proposed Darwin project

Bio-waste to energy for natural resource conservation in the Philippines

Q4a. Host country (of proposed Scoping trip)

Philippines

Q4b. Other collaborating country/ies

UK

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

No

3. Scoping Principals & Lead Organisation Summary

Q6. Principals in Scoping work i.e. the travellers

Please give the details of the individuals (up to 2) from the lead organisation who would be directly involved in the Scoping work - i.e. making a visit to a host country. One page CVs must be provided.

Details	Main traveller	Second traveller
Surname	Maddison	
Forename(s)	Neil	
Post held	Associate Director	
Department	Wildlife Conservation	
Telephone/Skype		
Email		
Country travelling from	United Kingdom	
Please attach the traveller's CV		

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.

Living Earth Foundation (LEF, now incorporated as Living Earth Limited, LEL and wholly owned by the Conservation Foundation, a UK registered charity), founded 1987, have extensive experience and expertise in supporting disadvantaged communities to benefit from sustainable development whilst safeguarding biodiversity and other natural resources. Examples are numerous, but include:

- i. LEL personnel have developed and delivered large-scale community capacity

building, sustainable development and social enterprise projects in Nigeria, Kenya, Cameroon and elsewhere

- ii. LEL personnel have extensive experience of working with forest edge communities on Negros, Philippines
- iii. Delivering an implementation plan for the conservation of great apes in the Congo Basin, through engagement with and support for forest edge communities living around the Dja Faunal Reserve
- iv. Creating and delivering the 'Waste to Wealth' programme for poor urban communities in Uganda and Cameroon
- v. Current and previous projects include supporting rural poor to adapt from subsistence living to livelihood development through trade e.g. Darwin Initiative projects 17-011 (Comoros), 20-007 (Cameroon) and 24-005 (Cameroon)
- vi. Living Earth personnel have built the capacity of local NGOs, supporting local teams in (the Comoro Islands, Philippines, China, Cameroon, Nigeria, Kenya and Uganda

Q7b. Would you like to include a letter of support from the lead applicant?

Yes

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

5. Project Partners

Q8. About the partner organisation(s)

Please list all the partners involved and explain their roles and responsibilities in the Scoping 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.

1. Partner Name:	PENAGMANNAKI (Pederasyon sa Nagkahiusang mga Mag-uuma nga Nanalipod ug Nagpasig-uli sa Kinaiyahan, Inc)
Website address:	http://www.landscapeconservation.org.uk/negros-forests-philippines
Details of anticipated roles and responsibilities:	Local management of the project team, including technical assistance in livelihood development actions. Workshop facilitation with CNCFA ; liaison with LGU , BMB and local office of DENR ; liaison with FIDA; plus engaging with major stakeholders in the sugar production and use value chain to confirm meetings pre-scoping visit

<p>Expertise in sustainable use or conservation of biodiversity and/or development:</p>	<p>PENAGMANNAKI is a local NGO working in biodiversity protection through community-based conservation, and are based in Dumaguete, Negros, Philippines. They have previously undertaken biodiversity studies and community engagement projects throughout Negros, and have been instrumental in supporting the set-up of local community farming associations. They have been working with the Barangay of the Mantiquil forest area since 2008.</p> <p>One of the skills that PENAGMANNAKI bring is the ability to mobilise key local actors such as the Local Government Unit of the Siaton Municipality, as well as nationally with the CBD focal point and DENR (both local and national offices). These connections have been invaluable in gaining support for this proposed action, as well as setting in place several of the key requirements, such as the process for defining the intervention area as part of a critical watershed and a critical habitat for wildlife. In addition, PENAGMANNAKI has initiated several indicator processes in the area to help determine effectiveness of intervention actions that contribute to the Philippines' Sustainable Development Goals.</p> <p>The Executive Director has extensive experience in community-based conservation and his shared feedback from the community has been instrumental in shaping the needs for a scoping award</p>
<p>Name of main contact point and post held:</p>	<p>Apolinaire Carino, Executive Director</p>
<p>Would you like to include a letter of support from this organisation?</p>	<p><input checked="" type="radio"/> Yes</p>

Letter of Support:	<p>The limit for any single file uploaded as supporting materials with your application is 6MB. Please ensure documents are saved in PDF form where possible in order to minimise size.</p> <div style="border: 1px solid gray; height: 100px; width: 100%;"></div>
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Do you have more than one partner involved in the Scoping work?

Yes

2. Partner Name:	Philippine Fiber Industry Development Authority (FIDA)
Website address:	http://www.philfida.da.gov.ph/
Details of anticipated roles and responsibilities:	FIDA will be involved in a bio-waste to energy project through the provision of technical training to rural poor in the production of abaca (manila hemp). The value chain for abaca is such that the local community will be able to generate cash for both growing and then undertaking the first part of the production process. Currently, bio-waste has no value, and the partners are looking to create one for this waste
Expertise in sustainable use or conservation of biodiversity and/or development:	FIDA support local people in the production of abaca and have expertise in working with the rural poor in order to build their capacity
Name of main contact point and post held:	Nena Locin, Senior Officer, PhilFIDA Negros Oriental
Would you like to include a letter of support from this organisation?	<input checked="" type="radio"/> Yes

Letter of Support:	
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3. Partner Name:	Sugar Regulatory Administration (SRA)
Website address:	https://www.sra.gov.ph/
Details of anticipated roles and responsibilities:	Support in establishing the value chain for a bio-waste to energy product, through their intimate knowledge and role of the sugar industry. They will help facilitate meetings and provide practical advice for stakeholder engagement. As a stakeholder themselves in the sugar production industry, their support will be invaluable in gaining support of others, notably private sector companies.
Expertise in sustainable use or conservation of biodiversity and/or development:	The SRA are responsible for producing and overseeing the production of sugar in the Philippines, including the promotion of 'best practice' for private sector sugar production and sugar use companies. The issue of the burning of 'cane-trash' to dispose of non-productive sugar cane roots and stems has long been acknowledged as one that could be improved. They are therefore keen to promote any practical alternatives to 'more environmentally friendly' and are therefore supporters of the initial thinking behind a bio-waste to energy system
Name of main contact point and post held:	Protacio Arnaiz, Head, Sugar Regulatory Administration, Tulong Extension
Would you like to include a letter of support from this organisation?	<input checked="" type="radio"/> Yes

Letter of Support:	

4. Partner Name:	
Website address:	
Details of anticipated roles and responsibilities:	
Expertise in sustainable use or conservation of biodiversity and/or development:	
Name of main contact point and post held:	
Would you like to include a letter of support from this organisation?	<input type="radio"/> Yes <input type="radio"/> No

5. Partner Name:	
Website address:	
Details of anticipated roles and responsibilities:	
Expertise in sustainable use or conservation of biodiversity and/or development:	
Name of main contact point and post held:	
Would you like to include a letter of support from this organisation?	<input type="radio"/> Yes <input type="radio"/> No

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6. Partner Name:	
Website address:	
Details of anticipated roles and responsibilities:	
Expertise in sustainable use or conservation of biodiversity and/or development:	
Name of main contact point and post held:	
Would you like to include a letter of support from this organisation?	<input type="radio"/> Yes <input type="radio"/> No

Q9. Can you confirm that none of the partners (excluding the lead applicant) have led a Darwin Initiative Main Project before?

| Yes

6. Justification & Concept Notes

Q10. Justification of need for a Scoping Award

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?

Living Earth Limited (LEL) is wholly owned by Conservation Foundation, a UK registered charity. LEL is a social enterprise organisation with the aim of supporting wildlife conservation through empowering poor communities living in and around high conservation value areas to develop sustainably. LEL income is derived from private sector partnerships, external grants and consultancy services to charitable organisations working in the wildlife conservation sector. LEL does not have the financial resources available to enable it to meet the full cost of scoping studies in order to prepare information to the level of detail required by both donor bodies (such as bi-lateral and multi-lateral funders, who are targets for future funding), but it does have human resources and some of these will be utilised for the scoping study. Some co-finance towards the cost of staff time will be provided.

It is anticipated that funding for the Darwin-funded project may be accessible from private sector companies looking to support their Corporate Social Responsibility strategies or as 'green investment', but that this will require early engagement of the private sector organisations involved in the sugar production and use value chain (this is listed one of the objectives of the scoping study), as well as an outline business feasibility study to be produced for consideration (a primary objective of the scoping study). So whilst the private sector is not an immediate source of funds, the sector is a strong candidate for future funding, notably when a model for sustainable enterprise has been developed

Q11. Concept note for the Scoping Award

This question concentrates on the scoping study work and should demonstrate the objectives of the Award including:

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

Objectives:

1. To create a formal working collaboration between Living Earth and PENAGMANNAKI for the implementation of a project to support biodiversity conservation through sustainable development in the Philippines
2. To meet with the CNCFA and hold a workshop to discuss the possible shape of a bio-waste to energy project

3. To confirm the projected amount of bio-waste produced by one village (34 households) in two value chains: a) stripping of manila hemp b) sugar cane production ('cane trash')
4. Produce a feasibility study for a potential bio-waste to energy value chain
5. Produce an outline bio-waste to energy project plan for submission to potential funders, including the Darwin Initiative

Previous work: the local NGO (PENAGMANNAKI) has supported the creation of the community association, including the election of representative officers. Conservation Partnership Agreements have been signed by individual households with PENAGMANNAKI. The remaining primary forest in the Mantiquil Barangay (located in the Canaway Naubo area) has been declared a Critical Watershed and Critical Area for Wildlife by the LGU. The amount of bio-waste produced from both manila hemp and sugar cane production has been identified as a potential energy source by PENAGMANNAKI. The Living Earth Project Director has previously worked with PENAGMANNAKI to support the conservation of Negros forests, although this scoping award application relates to a new, different concept.

Work to be carried out on the scoping trip:

Meetings between LEL and PENAGMANNAKI to finalise details for the local community workshop to be held with CNCFA.

Hold the community workshop meeting with CNCFA to identify the:

- i. view of the community of being empowered to produce energy from bio-waste e.g. in the production of charcoal briquettes and/or fuel pellets
- ii. key success factors at community level required to initiate a bio-waste to energy value chain
- iii. barriers and obstacles for a potential value chain, including identifying specific roles for women
- iv. actual resources required, including accurate assumption of the budget and time scales required
- v. capacity of, and gaps in, local people's ability to take key roles in the project

Meetings with the Philippines' CBD representative to ensure full transparency of the work taking place to support the Philippines' commitment to its CBD targets e.g. national biodiversity action plans for key species such as the Negros bleeding heart dove (CR), Waldeni's hornbill (CR) and Visayan warty pig (CR)

Production of outline business plan and presentation of same to private sector investors that have the potential to be Darwin Initiative partners and/or co-funders.

Evidence of proposed collaboration: PENAGMANNAKI will facilitate the workshop meeting with the CNFCA as well as finalising meetings in-country with the CBD representative (Dr Mundita Lim, BMB) and the Provincial office of the DENR. Please see confirmation as evidenced by Letters of Support from PENAGMANNAKI, DENR, FIDA and the Sugar Regulating Authority. In addition, please see confirmation of proposed meetings scheduled with FIDA and a stakeholder in the sugar production industry to discuss potential bio-waste to energy value chains

Q12. Concept note for the resultant project

This question concentrates on the full Darwin application you intend to submit after the Scoping Award 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 following Conventions: the Convention on Biological Diversity (CBD); the Nagoya Protocol on Access and Benefit-sharing (ABS); the International Treaty on Plant Genetic Resources for Food and Agriculture (ITPGRFA); the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES)
- how the project will contribute to sustainable development in the country concerned
- briefly what the proposed partner's/s' expected role in the resultant Darwin project will be
- briefly the expected role of the Scoping travellers in the resultant Darwin project.

Outcome

Forest-edge poor people move out of poverty, natural resources are safeguarded and globally threatened forest habitat and wildlife are conserved through the introduction of a new, sustainably sourced energy business.

Outputs

- Increased community GDP from sustainable business
- Positive capacity changes in the target communities' ability to trade
- Increased role of women in delivering an increase in household GDP
- Partnership agreements between stakeholders in new social enterprise business
- Model defined, implemented and disseminated for a sustainable bio-waste to energy business

Sustainable source of household fuel for household use made available and affordable

The project will:

Support conservation of primary (legally protected) forest that includes threatened species identified as requiring conservation under the Philippines National Biodiversity Species Action Plan (NBSAP).

Provide fuel from agricultural waste materials for institutional and household consumption, displacing the current usage of unsustainable (illegal) fuel-wood from forests.

Provide a sustainable income for poor people.

Build ability and capacity of rural poor people to trade products and services and move away from unsustainable, subsistence living.

Address gender issues by specifically targeting women for roles in the business

Contribute to CBD/Nagoya protocol

Through the protection of primary forest on Negros, the habitat for NBSAP species will be conserved helping to achieve objectives within the Philippine commitments to CBD.

The project will contribute to several sustainable development goals:

1 No poverty. The project will provide an income to rural poor people through the

production of fuel pellets from bio-waste

5 Gender equality. Project designed to include specific components for inclusion of women in the business

7 Affordable and Clean Energy. Local people can meet some of their energy needs through recyclables

12 Sustainable Consumption and Production. Safeguarding important natural resources

15 Life on Land. Reducing pressure on threatened species

Proposed partner's role

PENAGMANNAKI will be responsible for the day to day management of the project as well as playing a key role in brokering the value chain between the various stakeholders - CNCFA, LGU, DENR and Philippines-based private sector actors

FIDA will supply technical training to local people in the production of materials to be used in the abaca supply chain

LEL will provide training in micro-business and (if appropriate) savings and loan programmes such as VSLA, as well having overall responsibility for meeting the project objectives.

Expected role of the scoping travellers in the resultant Darwin project

The lead applicant has led two Darwin Initiative projects (17 -011 & 20-007) and will have overall responsibility for delivery. As a qualified MBA with a speciality in pro-poor social enterprises, the Scoping traveller (lead applicant) will have overall responsibility for the partners' defining a practical, sustainable bio-waste to energy value chain. One of the anticipated key factors in initiating the value chain is training and capacity building of rural farmers in marketing the new product and it is expected that the lead applicant would help shape and implement business training programmes for CNCFA members. In addition, play key roles in engaging and communicating with private sector partners

7. 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			847.00
Visas and other travel documents			0.00
Total daily subsistence claimed (please provide details below)			1,920.00
Workshop costs (please provide details below)			£526.00
Other costs (please provide details below)			£670.00
		Total request from Darwin (must not exceed £10,000)	3,963.00

Additional details to support the figures above

	Main traveller	Second traveller
Daily subsistence rate per day	£120.00	
Number of days subsistence claimed (max 30 days per traveller)	16	

Workshop costs

Please provide further details on your workshops costs.

In order to maximise the effectiveness and attendance at a workshop to engage the

villagers of Canaway Naubo, a pre-workshop dialogue and engagement will be undertaken by PENAGMANNAKI. This will be carried out by PENAGMANNAKI staff of the Executive Director (Apolinaire Carino), and the Community Facilitator (Marvic Bustamente). Travel, food, accommodation £220

The Scoping Traveller (Neil Maddison) will then be the lead facilitator of a village workshop to discuss a potential value chain for a bio-waste to energy. The objectives are to enable the villagers to help shape a project that would be sustainable and meet objectives of sustainable and natural resource conservation.

Focus groups with women, men and youth will be undertaken just prior to a full community workshop, to ensure all views are captured.

Travel, food and accommodation for partners and attendees - £286

Writing materials for facilitation £20

Other costs

Please provide further details on your other costs.

In order to define an outline value chain, meetings will be undertaken with partners, potential supporters and stakeholders on both Negros and in Manila. The costs of attending these meetings is travel for Neil Maddison to and from Manila to Dumaguete, and Apolinaire Carino, and accommodation and subsistence costs for Apolinaire Carino when travelling to Manila to meet with potential supporters and stakeholders.

Return flight - Manila Dumaguete pp. £149 = £298

Daily subsistence rate (5x @£60 per day) for Apolinaire Carino whilst in Manila = £300

8. Timetable & Activities

Q14. Activities and timings

Please complete the Scoping Award Timetable to include your 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 scoping trip.

Date	Milestone
05/09/2018	START
05/09/2018	NM Travel to Manila from UK; arrive 06/09/18. Overnight Manila
07/09/2018	Travel to Dumaguete
07/09/2018	Meet with local partner to discuss feedback from pre-workshop community meetings.
11/09/2018	Travel to Naubo (car/motorbike). Courtesy meetings with Mantiquil Barangay captain (Naubo village is part of Mantiquil Barangay)
12/09/2018	Focus groups with different sectors of Naubo civil society i.e. women and girls, youth, elders, men
13/09/2018	Workshop Naubo, with local people to discuss and agree the shape of a potential value chain for bio-waste to energy.
14/09/2018	Meetings with Local Government Unit (LGU) Siaton. Return to Dumaguete.

15/09/2018	Partner discussions with FIDA and the SRA. Write up findings and produce outline business plan for use in stakeholder engagement with private sector and others
17/09/2018	Travel from Dumaguete to Manila (Neil Maddison and Apolinaire Carino)
18/09/2018	Throughout week, meetings with DENR (the Biodiversity Monitoring Bureau, Dr Mundita Lim), British Embassy, potential partners and donors
22/09/2018	NM Return to UK, AC return to Dumaguete
22/09/2018	FINISH

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

Round 25

9. Certification

Q16. Certification

On behalf of the

company

of

Living Earth Limited

I apply for a grant of

£3,963.00

in respect of all expenditure to be incurred during the lifetime of this project based on the activities and dates specified in the above application.

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 scoping 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)



Name	Neil Maddison
Position in the organisation	Associate Director
Signature (please upload e-signature)	

Date	02/02/2018
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If this section is incomplete the entire application will be rejected.

10. Submission Checklist

Checklist for submission

	Check
Have you provided anticipated start and end dates for your Scoping trip?	<input checked="" type="checkbox"/>
Has your application been signed by a suitably authorised individual?	<input checked="" type="checkbox"/>
Have you read the Guidance documents for both <u>Main projects</u> and <u>Scoping awards</u> , and are you satisfied that your concept would be eligible for a main project application?	<input checked="" type="checkbox"/>
Have you read the current <u>Terms and Conditions</u> for this fund and can you confirm you are willing to be bound by these if your application is successful?	<input checked="" type="checkbox"/>
Have you uploaded 1 page CVs and letters of support as required?	<input checked="" type="checkbox"/>
Have you checked the <u>Darwin website</u> immediately prior to submission to ensure there are no late updates?	<input checked="" type="checkbox"/>