Applicant: Theilade, Ida

Organisation: 5. University of Copenhagen (UCPH), Department of Food and Resource Economics (IFRO)

Funding Sought: £10,000.00

DIR27PP\1074

Linking science and faith-based conservation of endangered tree species, Cambodia

Section 1 - Contact Details

PRIMARY APPLICANT DETAILS

Title Prof
Name Ida
Surname Theilade
Organisation 5. University of Copenhagen (UC),
Department of Food and Resource Economics
(IFRO
Website (Work) https://ifro.ku.dk/english/staff/

Website (Work) https://ifro.ku.dk/english/staff/ ?pure=en/persons/53233

Tel (Mobile) Tel (Work) Email (Work) Address



CONTACT DETAILS

TitleProfNameIdaSurnameTheiladeOrganisation5. University of Copenhagen (UC),Department of Food and Resource Economics

Department of Food and Resource Economics
(IFRO

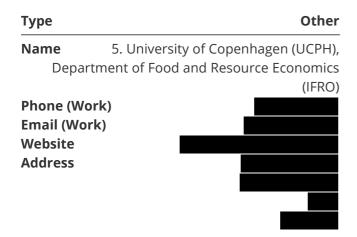
https://ifro.ku.dk/english/staff/ ?pure=en/persons/53233

Tel (Mobile) Tel (Work) Email (Work) Address

Website (Work)



GMS ORGANISATION



Section 2 - Title & Location

Q3. Working title of the proposed Darwin project

Linking science and faith-based conservation of endangered tree species, Cambodia

Q4a. Host country (of proposed Partnership Project trip)

Cambodia

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

Cambodia is the host country of the proposed Darwin project

Q4c. Other collaborating country/ies

Denmark and Germany

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

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, or leading on the collaboration.

One page CVs must be uploaded below.

Details	Project Leader	2nd individual
Surname	Theilade	Jürgensen
Forename(s)	Ida	Ernst

Post held	Professor	Senior Adviser
Organisation	University of Copenhagen	Danmission
Have you included an one page CV?	• Yes	Yes

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

- & CV Ida Theilade and Ernst Jürgensen
- © 20:54:53
- pdf 766.06 KB

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.

Ida Theilade has worked on conservation of tropical forests for 30 years. Current research centres on the role local and indigenous knowledge and institutions play in forest protection and climate action. This includes the use of information and communication technology and social media in conservation of biodiversity. Capacity building and dissemination is an integral part of her research and development portfolio.

IT has been instrumental in the development of an app for smartphones, which local and indigenous communities use to monitor biodiversity, document illegal logging and champion forest protection using social media. The app runs in its 8th version and is used successfully in Cambodia's Prey Lang and Preah Roka forests in a project named "It's Our Forest Too" www.preylang.net

The app has won five international innovation awards for its ability to conserve biodiversity, build resilient communities, and for climate action including UNDP Equator Prize 2015, International Society of Tropical Forestry 2017, and Global Landscape Forum 2020.

IT is partner to the Darwin Initiative Conserving rosewood genetic diversity for resilient livelihoods in the Mekong. She has provided training on community-based approaches in seed source management, value chain development, assessment of critically endangered rosewoods, and collection of germplasm for DNA barcoding.

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:	Danmission	
Website address:	https://english.danmission.dk/	
Details of anticipated roles and responsibilities:	Responsible for coordinating the Partnership Project in Cambodia, communicating with Ponlok Khmer, Monk Community Forest (MCF), UNEP and assisting on organising and facilitating the Partnership Project workshop.	
Expertise in sustainable use or conservation of biodiversity and/or development:	Danmission has worked in the field of conservation of biodiversity since 2014, primarily in the Prey Lang forest in Cambodia. In 2014, Danmission entered into a partnership with University of Copenhagen, a local IT firm, a local peacebuilding NGO, a national network of environmental defenders, and a local network of forest defenders. The partnership is ongoing and new partners have been included. The partnership focuses on among other things: capacity building of forest dependent communities on sustainable forest management, monitoring of forest resources and forest crimes, mitigation of conflicts between local forest actors, raising awareness on natural resource issues among the general public, and lobbying for policy changes.	
Name of main contact and post held:	Ernst Jürgensen Senior Adviser	
Letter of support submitted?	⊙ Yes	

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

Yes

2. Partner Name:	University of Göttingen	
Website address:	https://www.uni-goettingen.de/	
Letter of Support:	Please see jointly signed Declaration of Intent	

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

Prof. Dr. Oliver Gailing is Chair of the Department of Forest Genetics and Forest Tree Breeding at the University of Göttingen. In 2009, he was granted the venia legendi for Forest Genetics from the University of Göttingen. From 2009 to 2017, he was a Professor for Forest Genetics at Michigan Technological University, United States. Since 2017. He is also Honorary Professor at the Transsilvania University of Brasov, Romania (since 2018) and adjunct Professor at Michigan Technological University (since 2017). His research program focuses on population genetics of forest trees and on the study of evolutionary forces acting on plant populations and species and on the evolution of adaptive and species-specific characters. Specifically, genetic structures and their spatial and temporal dynamics have been analysed in natural forest ecosystems based on molecular genetic markers, providing important information for conservation efforts of endangered trees. Molecular markers can be used for timber tracking for example in relation to the EU Timber Regulation.

Dr. Gailing has coordinated and participated in numerous national and international projects (EVOLTREE, Hardwood Genomics, Sustainable energy pathways, IMPAC: Novel genotypes for mixed cropping, Barcoding sequences for community phylogenies). His research is documented in more than 150 peer-reviewed journal publications.

Name of main contact point and post held:

Professor Oliver Gailing

Chair Department of Forest Genetics and Forest Tree Breeding

Cambodia. Experience in working with grassroots groups and faith-based actors in forest conservation and protection.

Büsgen-Institute

Georg-August-University Göttingen

Have you included a letter of support from this organisation?

Yes

3. Partner Name:	Ponlok Khmer (PKH)	
Website address:	http://www.ponlokkhmer.org/index.php/about-us/who-we-are/	
Details of anticipated roles and responsibilities:	Assist in identifying and inviting local participants for the Partnership Project workshop, communicate with the Monk Community Forest, assist in organizing transportation and accommodation for the workshop.	
Expertise in sustainable use or conservation of biodiversity and/or development:	Twenty years' experience in empowerment of local and indigenous peoples to ensure their meaningful participation in development with a focus on sustainable environmental development, culturally appropriate practices, gender, and the strengthening of the quality of living conditions and education in the highlands of northern	

Name of main contact point and post held:	Poek Sophorn, Executive Director	
Have you included a letter of support from this organisation?	⊙ Yes	
4. Partner Name:	Monk Community Forest (MCF)	
Website address:	N/A - see Bun Saluth on facebook https://www.facebook.com/saluth.bun	
Letter of Support:	Monk Community Forest has signed the joint Declaration of Intent	
Expertise in sustainable use or conservation of biodiversity and/or development:	The Monk Community Forest is a group of monks protecting the Sorng Rukhavoan Wildlife Sanctuary in northwest Cambodia. The Monk Community Forest was created in response to deforestation from economic concessions, illegal logging, and land encroachment. Initiated by Buddhist monk Venerable Bun Saluthh, the monks of the Samraong Pagoda acquired legal protection of the forest, and have since established patrol teams, demarcated forest boundaries, raised environmental awareness among local communities and on social media, organized community patrol volunteers, developed co-management committees with local villagers, linked with government authorities and NGOs, attracted external support for patrolling, and significantly reduced illegal logging activities. The Monk Community Forest has a strong network with Monk communities across Cambodia of which many work on environmental conservation and rehabilitation.	
Name of main contact point and post held:	Bun Saluth, Chief of Monk Community Forest https://www.facebook.com/saluth.bun	
Have you included a letter of support from this organisation?	⊙ Yes	
5. Partner Name:	United Nations Environment Programme (UNEP)	

Website address:	Faith for Earth Initiative UNEP - UN Environment Programme
Letter of Support: UNEP has signed a separate Letter of Intent	

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

UNEP is the leading authority that sets the global environmental agenda, promotes the coherent implementation of the environmental dimension of sustainable development within the United Nations system, and serves as an authoritative advocate for the global environment. Its mandate is to strengthen the science-policy interface, keep the environment under review, support global governance processes and provide guidance for the implementation of policies and programmes.

Operating within the secular environment of the UN provides the ideal neutral space for equitable and productive interreligious dialogue and collaboration. Working under the mandate of UNEP grants the Faith for Earth Initiative greater legitimacy, as well as access to well established practices, networks and resources. The Faith for Earth Initiative foremost aims to strategically engage with faith-based organisations, mobilize new interfaith partnerships and utilize innovative approaches to coalesce around the common goal of sustainable development. Faith for Earth has three strategic goals: 1) Engage with FBOs and Faith Leaders to strengthen policy impacts of religious actors on environmental issues; 2) Facilitate greening of faith-based investments and assets to contribute to financing sustainable development; and 3) Bridge and strengthen the science-faith evidence and understanding.

Name of main contact point and post held:

Iyad Abumoghli, Director, Faith for Earth, Strategic Engagement with Faith-based Organizations, Executive Office, UN Environment Programme

Have you included a letter of support from this organisation?

Yes

6. Partner Name:	No Response
Website address:	No Response
Details of anticipated roles and responsibilities:	No Response
Expertise in sustainable use or conservation of biodiversity and/or development:	No Response
Name of main contact point and post held:	No Response
Have you included a letter of support from this organisation?	○ Yes ○ No

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

- Declaration of Intent University of Copenhage n Göttingen Danmission Ponlok Khmer Monk Community Forestry
- © 20:25:44
- pdf 1.54 MB

- © 20:23:51
- pdf 645.55 KB

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?

The University of Copenhagen co-finance research and development but is not in a position to support travels to build new partnerships in advance of approved projects. Hence, the partnership funding is needed for an exploratory visit to Cambodia in order to establish a robust partnership across science-based and faith-based research and development organisations. The grant would enable four of the partners to meet for a workshop and field visit in order to develop an interdisciplinary Darwin application on the conservation of some of the most precious and endangered trees in Cambodia.

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 the visit is to

- i) identify relevant faith-based actors in Cambodia to build an innovative science-faith partnership on forest biodiversity conservation
- ii) conduct a workshop on citizen science and the use of technology in forest biodiversity conservation, identification of endangered (IUCN Red List) cultural and ecological key-stone species, and agree on a joint science-faith-based conservation plan
- iii) prepare for the development of a joint full application to Darwin Initiative Round 28

Since 2014, UCPH and Danmission have been cooperating on the "It's Our Forest Too" project in Cambodia. The project was designed by both parties and is being jointly implemented. As part of the project, UCPH and Danmission have developed a smartphone app (known as the Prey Lang app) for community-led forest monitoring and protection. The partners have gathered considerable knowledge on the use of citizen science, empowerment, peaceful methods and conflict resolution, and the use of local and indigenous

knowledge in biodiversity conservation and climate action. Partners are developing groundbreaking methods in linking high resolution satellite imagery with ground-truthing by forest patrols in collaboration with the Joint Research Centre of the EU Commission. UCPH has initiated a collaboration with Göttingen University on characterization of within species genetic variation of selected endangered tree species, such as Dipterocarpus ssp, to be used in tree planting efforts and timber tracking.

The existing "It's Our Forest Too" project does not contain a strong faith-based element. However, faith-based values are driving individual behaviours of more than 80% of humanity. In many countries, including Cambodia, faith-based beliefs and religions are main drivers for cultural values, social inclusion, and political engagement. Given the importance of faith, UCPH and Danmission want to strengthen the faith-based element of their joint work on biodiversity conservation and further link it to new scientific approaches.

Danmission's Country Office in Cambodia has undertaken a preliminary identification of relevant local organisations and faith-based actors working with local and indigenous people on the conservation of forest biodiversity and sustainable development. Initial talks have been held with Ponlok Khmer and the Monk Community Forest and the organisations have expressed commitment to participating in the Partnership Project and thereafter developing a joint full Darwin application. Initial talks have also been held with the Cambodian Ministry of Cult and Religion, which has expressed strong interest in taking part in a possible resultant project.

The proposed Partnership Project involves six partners, which is more than expected for a such a project (Guidance Notes page 25). The reason is that this project intends to bridge conservation and faith, and build a unique consortium of research institutions, a development organisation, an international UN agency, and small local organisations and groups.

Five of six partners have signed a joint Declaration of Intent to substantiate their intentions to collaborate in the Partnership Project. UNEP has submitted a separate Letter of Intent.

The Partnership Project will support:

- 1) Travel Copenhagen Cambodia return for two persons
- 2) Workshop expenses
- 3) Local travel in relation to workshop and field visit

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.

Expected Outcome:

Forest dependent communities and faith-based actors are more engaged in socially inclusive protection of endangered trees and empowered to use innovative technology, improving local and indigenous rights and access to forest resources, and their feeling of success and responsibility in biodiversity conservation in Cambodia.

Expected Outputs:

- 1. Forest dependent communities and local faith-based actors are equipped and trained to i) undertake mapping of endangered trees using the Prey Lang app, and link the mapping of cultural and environmental keystone species to a citizen-led forest monitoring program with freely available satellite imagery.
- 2. Ten selected endangered cultural and environmental keystone tree species characterized genetically and DNA markers used to select germplasm for forest restoration and in international timber tracking.
- 3. A community-led and faith-based educational science centre, fostering dialogue and reflection on biodiversity conservation across community members, faith-based actors, students, and researchers.

Cambodia is part of the Indochinese biodiversity hotspot but has experienced a dramatic forest loss, large-scale land-grabbing, and deteriorating human rights for indigenous peoples and environmental defenders. Government-led efforts to curb deforestation has been insufficient and forest crimes are often in collusion with authorities. Civil society and a faith-based approach is the most promising new avenue to conserve biodiversity and create awareness and action on the ground.

The project contributes to the Convention on Biological Diversity (CBD), the UN Convention on Indigenous Peoples' Rights (UNDRIP), the Nagoya Protocol and the Aichi targets as well as United Nations Framework Convention on Climate Change (UNFCCC).

Forest are the subject of high rates of illegal logging and export, depriving the 80% of Cambodians who depend on forests for their livelihoods. A more sustainable use of forest resources is pivotal for sustainable development in Cambodia.

The project contribute to the following SDGs: 11, 13, 15, 16, and 17.

University of Copenhagen will; i) provide administrative support on financial management, accounting and reporting; ii) provide on-line access to project publications; iii) whenever feasible use results from the Darwin project in science-based teaching on conservation, iv) disseminate results to the wider public through websites and social media.

Danmission will: i) coordinate project activities in Cambodia; ii) liaise with relevant government and civil society actors; iii) facilitate local knowledge exchange.

UNEP will: i) provide advice on religion and conservation; ii) facilitate contact to its global network of faith-based actors; iii) facilitate mobilization of new interfaith partnerships; iv) provide capacity building. George-August-University Göttingen will: conduct DNA extraction, characterize within species genetic variation of selected endangered tree species, guide selection of germplasm for tree planting, and develop barcoding for timber tracking.

Ponlok Khmer will i) provide training of forest dependent communities, ii) organise tree planting, iii) communicate with local authorities.

Monk Community Forest will co-implement specific project activities with Ponlok Khmer, use their network for knowledge exchange and up-scaling of a new science and faith-based response to biodiversity conservation.

Professor Ida Theilade will be main applicant and coordinator of the resultant project. Danmission Senior Advisor Ernst Jürgensen will facilitate coordination of the resultant project in Cambodia.

Section 6 - Costs

Q13. Costs

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

	Project Leader	Second individual	Total
Airfare including travel to airport			
Visas and other travel documents	£		0
Daily subsistence rate per day	£		
Number of days subsistence claimed (max 30 days per traveller)			
Total daily subsistence claimed (please provide details below)	£		
Workshop costs (please provide details below)			£
Other costs (please provide details below)			£
		Total request from Darwin (must not exceed £10,000)	£

Additional details to support the figures above

	Project Leader	Second individual
Average expected subsistence rate per day		
Number of days subsistence claimed		

Workshop costs

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

3-days workshop on citizen science and the use of technology in forest biodiversity conservation, identification of cultural and ecological key-stone species, and a faith-based response to forest biodiversity conservation for 20 people from four organisations. In addition, to familiarise partners with the objective of a full Darwin application, develop LFA; i.e. common goals, methodology, milestones, timeline and

preliminary budgets. Discuss assumptions, risks, and safety issues and strategies to mitigate risks.

Rental of venue, including snacks:



Transportation:

Accommodation:



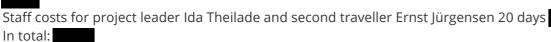


Please provide further details on Other costs e.g. subscription to communications platforms, purchase of tablets for local partners etc (N/A if not relevant).

Prepaid SIM card for Danmission, Ponlok Khmer and Monk Community Forest for local communication:



Via phones and airtime, we will use locally and freely available platforms such as Signal Fieldtrip to meet communities and visit potential field sites using a minivan and budget accomodation:





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
16 August 2021	START
16 August 2021	Preparations for travel. 16/8 Departure from Copenhagen to Phnom Penh, Cambodia
17 August 2021	Final preparations for workshop at Danmission Phnom Penh Office
18 August 2021	Travel to Odder Meanchey - the Monk Community Forest
19 August 2021	Meeting with Monk Community Forest and other faith-based actors, and forest dependent community members
20 August 2021	Travel to Siem Reap and meet with Ponlok Khmer
21 August 2021	Workshop with partners day 1 Citizen science and the use of technology in forest biodiversity conservation, identification of cultural and ecological key-stone species.
22 August 2021	Workshop with partners day 2 Scientific and faith-based response to forest biodiversity conservation

26 August 2021	FINISH
	NB: In case Cambodian Covid-19 quarataine rule are still in place, the travel will be delayed till later in 2021.
26 August 2021	Arrival Copenhagen, Denmark
25 August 2021	Wrap up and departure from Cambodia
24 August 2021	Travel to Phnom Penh
23 August 2021	Workshop with partners day 3 Develop LFA for Stage 1 application. Working relationship between the lead organisation and the proposed partners established

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

Round 28

Section 8 - Certification

Q16. Certification

On behalf of the

company

of

5. University of Copenhagen (UC), Department of Food and Resource Economics (IFRO)

I apply for a grant of

£10,000.00

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 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	Ida Theilade
Position in the organisation	Professor

Signature (please
upload e-signature)

|--|

iii 16/01/2021

© 21:42:00

□ jpg 95.99 KB

Date

18 January 2021

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.	
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.	
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).	
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.	
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.

Checked

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 <a href="https://example.com/here.com/