

DIR27S2\1022

Orangutan Honey – Beekeeping for Critically Endangered Orangutans and Livelihoods

Only 13,530 Critically Endangered Sumatran orangutans (*Pongo abelii*) remain in the wild, and PanEco and partners are establishing a new, genetically-viable population in Jantho Nature Reserve. Jantho's biodiversity is threatened by illegal activities, and COVID-19-related shocks to local livelihoods further heighten risk.

This project will reintroduce a further 24 orangutans into Jantho, implement protection through SMART patrols, work with 6 forest-adjacent communities to establish honey cooperatives, and raise environmental awareness to holistically alleviate poverty, reduce threats and protect critical biodiversity.

Section 1 - Contact Details

PRIMARY APPLICANT DETAILS

Title Ms
Name Vicky
Surname Dauncey
Organisation PanEco
Website (Work) www.sumatranorangutan.org
Tel (Mobile) [REDACTED]
Email (Work) [REDACTED]
Address [REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

CONTACT DETAILS

Title Dr
Name Ian
Surname Singleton
Organisation PanEco
Website www.sumatranorangutan.org
Tel (Mobile) [REDACTED]
Email [REDACTED]
Address [REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

GMS ORGANISATION

Type	Organisation
Name	PanEco
Phone	[REDACTED]
Email	[REDACTED]
Website	[REDACTED]
Address	[REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED]

Section 2 - Title, Dates & Budget Summary

Q3. Project title:

Orangutan Honey – Beekeeping for Critically Endangered Orangutans and Livelihoods

What was your Stage 1 reference number? e.g. DIR27S1\100123

DIR27S1\1758

Q4. Country(ies)

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

Country 1	Indonesia	Country 2	No Response
Country 3	No Response	Country 4	No Response

Do you require more fields?

No

Q5. Project dates

Start date:	End date:	Duration (e.g. 2 years, 3 months):
01 July 2021	30 June 2024	3 years

Q6. Budget summary

Year:	2021/22	2022/23	2023/24	2024/25	Total request
Amount:	£112,176.00	£173,040.00	£92,720.00	£24,876.00	£ 402,812.00

Q6a. Do you have matched funding arrangements?

Yes

What matched funding arrangements are proposed?

This project has [REDACTED] confirmed matched funding sources, including from Indianapolis Zoo over a three-year period, Oak Foundation, Auckland Zoo and commitment from PanEco's own unrestricted fundraising.

Q6b. Proposed (confirmed and unconfirmed) matched funding as % of total project cost (total cost is the Darwin request plus other funding required to run the project).

Section 3 - Project Summary

Q7. Summary of project

Please provide a brief summary of your project, its aims, and the key activities you plan on undertaking. Please note that if you are successful, this wording may be used by Defra in communications e.g. as a short description of the project on [GOV.UK](https://www.gov.uk).

Please write this summary for a non-technical audience.

Only 13,530 Critically Endangered Sumatran orangutans (*Pongo abelii*) remain in the wild, and PanEco and partners are establishing a new, genetically-viable population in Jantho Nature Reserve. Jantho's biodiversity is threatened by illegal activities, and COVID-19-related shocks to local livelihoods further heighten risk.

This project will reintroduce a further 24 orangutans into Jantho, implement protection through SMART patrols, work with 6 forest-adjacent communities to establish honey cooperatives, and raise environmental awareness to holistically alleviate poverty, reduce threats and protect critical biodiversity.

Section 4 - Darwin Objectives and Conventions

Q8. Objectives for the Darwin Initiative

Please indicate which of the fund objectives (listed on p.8 of the guidance) you will be addressing.

- To promote the responsible stewardship of natural assets
- Contributing towards reversing the increase in threats of extinction to the world's flora and fauna

Q9. Biodiversity Conventions, Treaties and Agreements

Q9a. Your project must support the commitments of one or more of the agreements listed below.

Please indicate which agreement(s) will be supported and describe which objectives your project will address.

- Convention on Biological Diversity (CBD)
- Convention on International Trade in Endangered Species (CITES)
- United Nations Framework Convention on Climate Change (UNFCCC)
- Global Goals for Sustainable Development (SDGs)

Q9b. Biodiversity Conventions

Please detail how your project will contribute to the aims of the agreement(s) your project is targeting. You should refer to Articles or Programmes of Work here.

By achieving our project outcome "The Jantho orangutan population is viable, with Jantho Nature Reserve protected and illegal activities reduced; aided by strengthened local environmental stewardship and enhanced livelihoods through profitable, sustainable honey enterprises" – and particularly Project Outputs 1 & 2 we will support:

CBD Article 8. In-situ Conservation (d) "Promote the protection of ecosystems, natural habitats and the maintenance of viable populations of species in natural surroundings"; and (f) "Rehabilitate and restore degraded ecosystems and promote the recovery of threatened species, inter alia, through the development and implementation of plans or other management strategies."

Through project Output 3 & 4 (Honey Enterprises) we will support: "CBD Article 8 (e) "Promote environmentally sound and sustainable development in areas adjacent to protected areas with a view to furthering protection of these areas."

Through project Output 2 (Forest Monitoring and Protection) we will support: CBD Article 10. Sustainable Use of Components of Biological Diversity (d) "Support local populations to develop and implement remedial action in degraded areas where biological diversity has been reduced."

Through project Output 5 (Community Conservation Education) we will support CBD Article 13. Public Education and Awareness (a) "Promote and encourage understanding of the importance of, and the measures required for, the conservation of biological diversity, as well as its propagation through media, and the inclusion of these topics in educational programmes."

CITES

Sumatran orangutans (*Pongo abelii*) are a CITES Appendix I listed species. This project enables Sumatran orangutans that have become victims of illegal wildlife trade to be rehabilitated and ultimately have a long-term conservation impact towards the survival of the species by forming vital new populations.

UNFCCC

Through Output 2, in line with Article 4, (d) commitments: "Promote sustainable management, and promote and cooperate in the conservation and enhancement, as appropriate, of sinks and reservoirs of all greenhouse gases not controlled by the Montreal Protocol, including biomass, forests, and oceans..."

Q9c. Is any liaison proposed with the CBS / ABS / ITPGRFA / CITES / CMS / Ramsar / UNFCCC focal point in the host country?

Yes

If yes, please give details.

The Ministry of Environment and Forestry is the Indonesian CBD, CITES, and UNFCCC national focal point. PanEco works in close collaboration and under a Memorandum of Understanding with the Ditjen of Natural Resources and Ecosystem Conservation, a Directorate General under the Ministry of Environment and Forestry, for all our work in Indonesia. In addition, the Jantho programme is run under its own MoU with the Acehese Provincial Department of Natural Resources and Ecosystem Conservation, and liaison regarding this specific project is planned.

Q9d. Global Goals for Sustainable Development (SDGs)

Please detail how your project will contribute to the Global Goals for Sustainable Development (SDGs)

By achieving our project outcome "The Jantho orangutan population is viable, with Jantho Nature Reserve protected and illegal activities reduced; aided by strengthened local environmental stewardship and enhanced livelihoods through profitable, sustainable honey enterprises" – and particularly Project Outputs 1 & 2 we will support:

SDG Goal 15: Protect restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss.

Our project will protect the Jantho forest through forest monitoring and protection activities (Output 2) as well as addressing needs through targeted livelihoods activities (Output 3 & 4) that stands to reduce pressures on forest resources and threats to biodiversity. In doing so, we will increase communities' environmental awareness (Output 5), which will work to decrease threats to the forest. These activities work in concert to protect forest biodiversity and halt its loss, with a particular focus on Critically Endangered Sumatran Orangutans but also benefitting a wide range of other threatened species.

Through project Output 3 & 4 (Honey Enterprises) we will support: SDG Goal 12: Ensure sustainable consumption and production patterns and SDG Goal 1: End poverty in all its forms everywhere.

Our bee-keeping enterprise will support vulnerable people in forest-adjacent communities with a new livelihood activity aimed at increasing household income. We will work to target vulnerable people carrying out illegal activities in Jantho, including those economically impacted by the COVID-19 pandemic. Bee-keeping practices will be implemented in a sustainable manner to deliver a high-quality, organic product.

Section 5 - Lead Organisation Summary

Q10. Lead organisation summary

Has your organisation been awarded a Darwin Initiative or IWT Challenge Fund award before (for the purposes of this question, being a partner does not count)?

No

If no, please provide the below information on the lead organisation.

What year was your organisation established/ incorporated/ registered?	01 January 1996
What is the legal status of your organisation?	<input checked="" type="radio"/> NGO
How is your organisation currently funded?	PanEco is funded through institutional grants, trust and foundation grants, public fundraising, and contributions from sustainable conservation enterprises.

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

Aims	<p>PanEco aims to preserve nature; promote responsible treatment of the environment and the wellbeing of local communities; and address the causes of climate change.</p> <p>The Sumatran Orangutan Conservation Programme (SOCP – implemented in close partnership with YEL) aims to secure wild orangutan populations and healthy, sustainable forest ecosystems.</p>
Activities	<p>PanEco, through the SOCP, deals with all aspects of orangutan conservation in Sumatra, including the confiscation, rehabilitation, and reintroduction of captive orangutans to form new wild populations; education and awareness raising; surveys and monitoring of wild populations; habitat protection; and promoting sustainable development.</p>
Achievements	<p>Over 300 released into the wild, two entirely new wild orangutan populations created, 80,000 ha of the Batang Toru Ecosystem upgraded to protected status, the first-ever scientific surveys of two great ape species' entire distributions, and the description of the Tapanuli orangutan as a new species of great ape.</p>

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

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

Contract/Project 1 Title	Collaborative Protection of an Irreplaceable Landscape: The Leuser Ecosystem, Sumatra
Contract Value/Project budget (include currency)	██████████
Duration (e.g. 2 years 3 months)	3 years (2016 - 2019)
Role of organisation in project	PanEco was the lead organisation and co-implemented the programme with Yayasan Ekosistem Lestari (YEL); Forum Konservasi Leuser; Hutan Alam dan Lingkungan Aceh; and Orangutan Information Centre.

Brief summary of the aims, objectives and outcomes of the project

We achieved success on the following key outcomes:

Outcome 1. Habitat needs, distribution, threats, and population trends of key species are better understood and managed

Outcome 2. Capacity and efficacy of wildlife law enforcement are improved

Outcome 3. Spatial planning and management is unified and based on sound environmental principles

Outcome 4. Forest area for wildlife habitat is expanded

Client/independent reference contact details (Name, e-mail)

Arcus Foundation
Contact: Adam Phillipson
[REDACTED]

Contract/Project 2 Title

The Leuser Ecosystem, Sumatra: Advancing Collaborative Protection of an Irreplaceable Landscape

Contract Value/Project budget (include currency)

\$ [REDACTED] USD

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

3 years (2019 - 2022)

Role of organisation in project

PanEco is the lead organisation of this follow-on, consortium grant from Arcus Foundation. The programme is co-implemented with YEL; Forum Konservasi Leuser; Hutan Alam dan Lingkungan Aceh; Orangutan Information Centre.

Brief summary of the aims, objectives and outcomes of the project

Increasing connectivity in the Leuser Ecosystem through restoration, targeting areas most critical for reconnecting viable orangutan populations as well as other wildlife such as Sumatran elephants, siamangs, and gibbons; working to expand lowland areas for conservation by working with government to review ownership of industrial tree estates and secure support to restore selected areas; 10-year repeat orangutan distribution surveys with the addition of hylobatids; assessing recolonisation of selected restored areas by ape species and gaining a better understanding of ape populations, trends and threats.

Client/independent reference contact details (Name, e-mail)





Arcus Foundation
Contact: Adam Phillipson
[REDACTED]





Contract/Project 3 Title	The Lion's Share Fund (housed in UNDP)
Contract Value/Project budget (include currency)	██████████ (part of a ██████████ over two years landscape-level investment)
Duration (e.g. 2 years, 3 months)	2 year (2020 & 2021)
Role of organisation in project	PanEco is a programme partner of 'Protecting the Last Frontier – Leuser Ecosystem' The Lion's Share Fund's \$ ██████████ flagship investment. In addition to PanEco's specific activities, PanEco also delivers the programme coordination function. Programme partners include Hutan, Alam dan Lingkungan Aceh, Forum Konservasi Leuser and Orangutan Information Centre.
Brief summary of the aims, objectives and outcomes of the project	This landscape programme delivers multi-faceted conservation across the eastern Leuser Ecosystem. This is achieved through land protection and restoration, sustainable livelihood development, awareness raising programmes, community empowerment and focus on illegal wildlife trade.
Client/independent reference contact details (Name, e-mail)	UNDP Erica Fleet ██████████

Have you provided the requested signed audited/independently examined accounts? If you select "yes" you will be able to upload these. Note that this is not required from Government Agencies.

Yes

Please attach the requested signed audited/independently examined accounts.

 [PanEco Audited Accounts-2019-Eng](#)
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 [PanEco Audited Accounts-2018-Eng](#)
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Section 6 - Project Partners

Q11. Project partners

Please list all the partners involved (including the Lead Organisation) and explain their roles and responsibilities in the project. Describe the extent of their involvement at all stages, including project development.

This section should illustrate the capacity of partners to be involved in the project. Please provide Letters of Support for the Lead Organisation and each partner or explain why this has not been

included.

N.B: There is a file upload button at the bottom of this page for the upload of a cover letter (if applicable) and all letters of support.

Lead Organisation name:	PanEco
Website address:	www.paneco.ch/en // www.sumatranorangutan.org
Details (including roles and responsibilities and capacity to engage with the project):	<p>PanEco is the lead organisation, ensuring the effective implementation, coordination and grant management. PanEco will provide strategic, technical and operational oversight.</p> <p>PanEco has been delivering conservation impact in North Sumatra and Aceh for over 20 years, working closely with YEL to run the Sumatran Orangutan Conservation Programme (SOCP). We are the principal organisation and source of information pertaining to Sumatran orangutan conservation. The SOCP focuses on mitigating the impact of illegal trade in orangutans, running the only rehabilitation centre on the island of Sumatra and working to create two new wild orangutan populations from the reintroduction of rehabilitated orangutans. PanEco has a long history of working collaboratively with the project partners to deliver landscape conservation including on-the-ground, protection work, mapping and statistical modelling, policy change, education and sustainable community development, and humanitarian aid. PanEco works under a Memorandum of Understanding with Ditjen KSDAE (Directorate General of the Natural Resource and Ecosystem Conservation Agency).</p> <p>Staff leading this project have many years of experience working with orangutan rehabilitation and release, including the SOCP's Director, Dr. Ian Singleton, and PanEco Foundation's Director of Conservation, Matthew Nowak, who has led research and monitoring of Sumatran orangutans for nearly 10 years.</p>
Have you included a Letter of Support from this organisation?	<input checked="" type="radio"/> Yes
Have you provided a cover letter to address your Stage 1 feedback?	<input checked="" type="radio"/> Yes
Do you have partners involved in the Project?	<input checked="" type="radio"/> Yes
1. Partner Name:	Yayasan Ekosistem Lestari

Website address: www.yel.or.id // www.sumatranorangutan.org

Details (including roles and responsibilities and capacity to engage with the project):

YEL is the implementation partner for this project. YEL is responsible for Jantho operations, including orangutan release, post-release monitoring and SMART patrol (with close technical oversight from PanEco). YEL will be responsible for facilitating establishment of the community honey cooperatives and the guaranteed purchase and sale of the community produced honey, as well as leading educational activities. YEL has considerable experience in conservation enterprise through the wildly successful Orang Utan Coffee Project (<https://orangutan.coffee/en/orang-utan-coffee-project/>) and EcoLodge (<https://ecolodges.id/en/>) both enterprises have been jointly established and run by YEL and PanEco as business ventures, with YEL taking the lead in the management in recent years.

YEL has been working in the provinces of North Sumatra and Aceh for 20 years, delivering conservation impact in partnership with PanEco. YEL's staff are some of the most experienced in orangutan reintroduction in the world. YEL has run protection activities in Jantho Nature Reserve for 10 years, and also manages diverse and long-running community education and livelihood programmes, experience from which will be drawn into this project. YEL works under a Memorandum of Understanding with Ditjen KSDAE (Directorate General of the Natural Resource and Ecosystem Conservation Agency).

Have you included a Letter of Support from this organisation?

Yes

2. Partner Name:

No Response

Website address:

No Response

Details (including roles and responsibilities and capacity to engage with the project):

No Response

Have you included a Letter of Support from this organisation?

Yes
 No

3. Partner Name:

No Response

Website address:

No Response

Details (including roles and responsibilities and capacity to engage with the project): *No Response*

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

4. Partner Name: *No Response*

Website address: *No Response*

Details (including roles and responsibilities and capacity to engage with the project): *No Response*

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

5. Partner Name: *No Response*

Website address: *No Response*

Details (including roles and responsibilities and capacity to engage with the project): *No Response*

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

6. Partner Name: *No Response*

Website address: *No Response*


Details (including roles and responsibilities and capacity to engage with the project): *No Response*


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


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

No Response

Please provide a cover letter responding to feedback received at Stage 1 if applicable and a combined PDF of all letters of support.

 [PanEco support letters combined](#)

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Section 7 - Project Staff

Q12. Project staff

Please identify the core staff on this project, their role and what % of their time they will be working on the project. Further information on who should be classified as core staff can be found in the guidance.

Please provide 1 page CVs for these staff, or a 1 page job description or Terms of Reference for roles yet to be filled. These should match the names and roles in the budget spreadsheet.

If your team is larger than 12 people please review if they are core staff, or whether you can merge roles (e.g. 'admin and finance support') below, but provide a full table based on this template in the pdf of CVs you provide.

Name (First name, Surname)	Role	% time on project	1 page CV or job description attached?
Dr Ian Singleton OBE	Project Leader	10	Checked
Matthew Nowak	Technical Director (PanEco)	10	Checked
Stefan Mai	Honey Enterprise Consultant	5	Checked
M. Yakob Ishadamy	YEL Project Leader	13	Checked

Do you require more fields?





Yes

Name (First name, Surname)	Role	% time on project	1 page CV or job description attached?
Diana Kosmanto	YEL Conservation Enterprise Specialist	10	Checked
Julius Siregar	YEL Project Management	10	Checked

Dr Citrakasih Nente	YEL Orangutan Reintroduction Specialist	50	Checked
Asriadi	YEL Reintroduction Coordinator	50	Checked
Mukhlisin	YEL Community Coordinator	100	Checked
<i>No Response</i>	<i>No Response</i>	0	Checked
<i>No Response</i>	<i>No Response</i>	0	Checked
<i>No Response</i>	<i>No Response</i>	0	Unchecked

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

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

-  [CVs combined PanEco](#)
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-  22:18:51
-  pdf 1.14 MB

Have you attached all project staff CVs?

Yes

Section 8 - Problem statement

Q13. Problem the project is trying to address

Please describe the problem your project is trying to address in terms of biodiversity and its relationship with poverty. For example, what are the drivers of loss of biodiversity that the project will attempt to address? Why are they relevant, for whom? How did you identify these problems?

Please cite the evidence you are using to support your assessment of the problem (references can be listed in your additional attached PDF document which can be uploaded at the bottom of the next page).

Indonesia's tropical rainforests have been rapidly disappearing over the past two decades, with Sumatra at the epicentre of devastation. In 2019, the country lost 324,000 ha of primary forest (1), due to drivers including large and small-scale agriculture. Only 13,530 Critically Endangered Sumatran orangutans (*Pongo abelii*) remain in the wild, severely threatened by this unrelenting forest habitat loss and fragmentation. Multiple, viable and effectively-protected Sumatran orangutan populations must be in place across Sumatra in order for the species to remain extant and resilient to shocks risks (e.g pandemics). Reintroducing ex-captive orangutans to highly-protected forest is a key government strategy alongside forest habitat protection.

Since 2011, PanEco, in partnership with YEL and the Aceh Department of Natural Resource and Ecosystem Conservation (BKSDA Aceh) has been establishing an entirely new orangutan population in the 16,000ha Jantho Pine Forest Nature Reserve (Aceh) to expand Sumatran orangutan species distribution and create a

'safety-net' population. Jantho provides habitat for extremely rich biodiversity beyond resident orangutans, including Critically Endangered Sumatran tigers and elephants, along with sun bears, sambar deer, lemurs, monkeys, gibbons, wild boars, and macaques. This project takes a whole-landscape approach, to protect and benefit the full suite of flora and fauna that Jantho hosts.

Although having the highest legal protection possible under Indonesian legislation, Jantho species remain at risk due to persisting illegal activities. Poaching and burning of grasslands to encourage deer to the area (who are subsequently poached) are the primary threats to biodiversity in Jantho. In 2019–2020, our patrol teams encountered 166 threat signs, with correlation to both orangutan signs and primary forest areas, and the average number of fire hotspots detected in Jantho annually since 2012 is 14.4 (2).

PanEco's experience indicates that a majority of these activities are carried out by local community members, with a majority of the grassland burning and poaching occurring opportunistically during missions to collect 'wild honey'. This is an extremely popular activity within Jantho due to its income potential. We understand illegal wild honey collection to be practiced by circa 80 local households, though income from wild honey is extremely variable, and carries the risk of fines or prosecution if caught.

Despite the illegality and existing awareness of laws; illegal activities are pursued due to their income potential as limited legal, sustainable livelihood options beyond rice farming exist. Local people are currently experiencing heightened livelihood stresses as the COVID-19 pandemic continues to unfold. Government village development funding is being diverted to address COVID-19, while local ecotourism income has decreased drastically. In addition to wellbeing and poverty impacts, these livelihood stresses present increased risks to Jantho biodiversity. Forest loss and illegal activities have steeply increased in neighbouring locations during the COVID-19 pandemic as local livelihoods are negatively impacted (3). This further reinforces the importance of this project's whole-landscape, community-centred approach, focussed on supporting vulnerable people most likely to resort to illegal activities to cope with on-going economic shocks through more sustainable and profitable livelihoods to reduce pressures on Jantho's biodiversity.

Section 9 - Method, Change Expected, Gender & Exit Strategy

Q14. Methodology

Describe the methods and approach you will use to achieve your intended Outcome and Impact. Provide information on:

- How you have analysed historical and existing initiatives and are building on or taking work already done into account in project design. Please cite evidence where appropriate.
- The rationale for carrying out this work and a justification of your proposed methodology.
- How you will undertake the work (materials and methods).
- How you will manage the work (roles and responsibilities, project management tools, etc.).

PanEco leads orangutan conservation in Sumatra and our efforts are wholly essential to preventing the extinction of Sumatran orangutans. This project builds on our holistic programme that includes managing the only centre for orangutan rehabilitation in Sumatra.

Since 2011, in partnership with BKSDA-Aceh, we have released 127 rehabilitated orangutans into Jantho, and established a multi-faceted Jantho conservation initiative involving forest protection, research and monitoring, and community outreach. Highlighting Jantho's critical importance, the recent Orangutan Population, Habitat & Viability Assessment (PHVA) recognised Jantho as one of only two wild Sumatran orangutan populations projected to have good viability of survival into the future (4). Protection activities are led by Jantho Ranger Federation (JRF), a PanEco-YEL-BKSDA Aceh and local Community Rangers

partnership. The latter are Jantho-area local people, employed and empowered to implement scientific conservation activities.

This project builds on PanEco and YEL's considerable conservation enterprise experience; our wildly successful Orang Utan Coffee (<https://orangutan.coffee/en/>), sells globally (including in Waitrose, M&S and Ocado) and supports smallholder coffee farmers to operate in a sustainable, biodiversity-friendly manner, while benefiting from a price premium that enhances household income. YEL also runs a highly successful EcoLodge (<https://ecolodges.id/en/>).

Project set up: The Project Leader will be responsible for overall project delivery, supported by the Grant Coordinator leading on reporting and accountability. A project start-up workshop will clarify roles and responsibilities, refine the work plan and develop and harmonise MEL tools and processes.

Output-1: Dr Citrakasih Nente will oversee 24 rehabilitated, ex-captive orangutans released into Jantho during the project, increasing the orangutan population (all previously released individuals) from 127 (expected by 07/2021) to 151. This represents an 18.8% population increase, exceeding minimum population viability (150). This staged release process involves advanced skills learning within the Jantho setting once transferred from our rehabilitation centre. All orangutans will be post-release monitored for a 3-month minimum, though daily dawn-to-dusk follows in line with IUCN guidelines for Great Ape Reintroduction.

Output-2: Julius Siregar will oversee Jantho Ranger Federation (JRF) activities and enhance community rangers' capacities through training and empowerment activities. The JRF conducts a) Remote monitoring, to study released orangutan behaviours and adaptability to far-reaching areas across Jantho; b) biodiversity surveys c) climatological and phenological monitoring; and d) SMART patrols to identify and deter illegal activities. BKSDA Aceh, PanEco and YEL help identify potential threat areas for patrols, using remote sensing data and the SMART platform. Confirmed threats are referred to BKSDA Aceh for action.

Output-3: Mukhlisin, with support from Diana Kosmanto and Stefan Mai, will lead mobilisation of six communities to develop profitable honey production cooperatives through organic beekeeping. An average of 20 household per community will form cooperative membership (120 households in total; targeting wild honey collectors [circa 80] and a further 40 vulnerable households) and 2-3 key people from each community will be trained in professional-level, certified beekeeping including quality assurance, health and safety, with follow-on training; community cooperatives will be established and trained in operations, management, record-keeping; communities will be facilitated to develop clear rules, processes and equitable benefit sharing mechanisms; a minimum of 100 hives per community will be provided and established; and buying agreements (see below) and conservation contracts (see supporting letter) will be signed between the communities and YEL agreeing to cessation of illegal activities in Jantho. YEL will trial several native, locally used bee species (see supporting letter) with two communities in Year-1 to establish the most suitable for the environmental and production needs, while also testing the Honey Cooperative Model. Based on Year-1 learning, the chosen bee species and refined cooperative model will be rolled out across all six communities in Year-2.

Output-4: YEL, led by Diana Kosmanto and Stefan Mai, will establish the 'SumaBee' business (a separate business entity) that will guarantee purchase of 80% honey produced by the cooperatives (at a set, mutually agreed price according to grade), digitally market and sell direct to end-consumers within Indonesia via e-commerce platforms and flagship-stores (e.g., Tokopedia, Shopee). The guaranteed purchase of honey produced by the cooperatives will be financed through the YEL's secured, unrestricted funding. Specialist apiculture and marketing/branding consultants (including Stephen Mai) will provide further expertise and support.

Output-5: To foster environmental stewardship through education (delivered alongside Outputs-3/4), Mukhlisin will lead the delivery of modules in conservation, biodiversity, threats and ecosystem services.

Taking a whole community approach, we will also run 'Kemah Konservasi' a conservation camp for high school-aged youth to experience and learn about the rainforest, shaping the future, long-term Jantho guardians.

Q15. Raising awareness of the potential worth of biodiversity

If your project contains an element of communications, knowledge sharing and/or dissemination please provide a description of your intended audience, how you intend to engage them, what the expected products/materials will be and what you expect to achieve as a result.

For example, are you expecting to directly influence policy in your host country or is your project a community advocacy project to support better management of biodiversity?

Output-5 will focus on fostering environmental stewardship through educational activities centre on relevant environmental issues, including conservation, wildlife laws, ecosystem services and pollinators. Our aim with this project element is to raise the awareness of the community as a whole. Current wildlife legislation in Aceh is robust, especially with the recent establishment of the Qanun Satwa Liar (Acehnese Wildlife Law; for which YEL were instrumental in the development and legal establishment). While community awareness of existing laws is good, awareness of the Qanun is needed at the local level. Furthermore, we aim to strengthen adherence to wider wildlife laws through the building of more holistic environmental understanding.

Through "Kemah Konservasi" activities, we will empower youth by building their knowledge, capacity and commitment to long-term, local conservation action, inspiring them to act as advocates and protectors of orangutans and other biodiversity within the Jantho forest into the future. This is further inspired by and will be linked to global environmental youth movements, activism and advocacy. The project will target teenage youth and carry out activities through conservation camps.

To enable the success of conservation strategies in Jantho and beyond, the programme will widely disseminate Jantho research and evaluation findings to contribute to learning and adaptations to SOCP's work and other organisations' conservation and reintroduction programmes globally. This includes lessons learned from an ongoing evaluation currently being undertaken by PanEco (see Open Access section). Findings from the Darwin project evaluation will also be disseminated as widely as possible.

Q16. Capacity building

If your project will support capacity building at institutional or individual levels, please provide details of what form this will take and how this capacity will be secured for the future.

The Jantho Ranger Federation (JRF) are local people from the Jantho area, employed and empowered by SOCP to implement vital, scientific conservation activities. To protect this habitat and all wildlife within, JRF works in partnership with PanEco and YEL and BKSDA Aceh (conservation authorities) to monitor orangutans in remote forest areas. SOCP will build on recent investments in strengthening JRF's existing capacities through scientific, technical, refresher training on surveying methods throughout the project. This will include training to support biodiversity monitoring, with topics including reptile and mammal surveying methods, GPS, phenology and single rope climbing, orientation and navigation, first aid, and the MIST datasheet format.

2-3 key people from each community will be trained in professional-level, certified beekeeping including quality assurance, health and safety, with follow-on training throughout the project term. Furthermore, the

120 households that form the community cooperatives will be trained in operations, management, record-keeping and communities will be facilitated to develop clear rules, processes and equitable benefit sharing mechanisms.

Building sustainable capacity at the community-level is the backbone of this project, and we are aiming for self-sustaining, community-led systems by project end. However, PanEco and YEL have a proven, long-term commitment to the Jantho area and local communities and will be supporting Jantho's conservation for the long-term, further building and refining local capacity as needed and inline with community wishes and aspirations.

Q17. Gender equality

All applicants must consider whether and how their project will contribute to reducing inequality between persons of different gender. Explain how your project will collect sex disaggregated data and what impact your project will have in promoting gender equality.

We will aim for equal female and male membership of the cooperatives, ensuring women have equal opportunity to access training and empowerment opportunities, while ambitious in the Acehnese context. Likewise, for the educational delivery (Output 5) we will ensure the equal participation of women and men, and girls and boys. Participant records will ensure disaggregated data by gender is collected. We will specifically schedule (dates and time of day) training events to enable easier female participation and consider the specific needs of women.

We will disaggregate data on gender participation across indicators across Outputs 3-5. A baseline will be completed, collecting household level data which will contain questions that analyse gendered-differences in vulnerability.

Our approach contributes to DFID's strategic vision for women and girls, including economic and political empowerment, by supporting women's meaningful participation in community level cooperatives i.e. economic, decision-making structures. The project review will incorporate key evaluation questions exploring project effectiveness in achieving outcome level changes by gender, through incorporating Focus Group Discussions and/or Key Informant Interviews with both women and men.

Q18. Change expected

Detail the expected changes this work will deliver. You should identify what will change and who will benefit a) in the short-term (i.e. during the life of the project) and b) in the long-term (after the project has ended).

Please describe the changes for biodiversity and for people in developing countries, and how they are linked. When talking about people, please remember to give details of who will benefit and the number of beneficiaries expected. The number of communities is insufficient detail – number of households should be the largest unit used. If possible, indicate the number of women who will be impacted.

Jantho is a rare, remaining forest area of exceptional value. Several detailed, comprehensive surveys carried out between 1990-2009 determined Jantho to be excellent orangutan habitat, easily able to support more than 500 orangutans. Jantho is also contiguous with the Ulu Masen Ecosystem (circa 750,000 ha), most of which is protected, primary lowland forest. Thus, with dispersal a near limitless carrying capacity is available. Jantho is also an important habitat for Critically Endangered Sumatran tigers and elephants, and a vast range of other rare, threatened biodiversity. Our interconnected protection activities, sustainable livelihood development and environmental education seeks to ensure locally led, long-term and sustainable conservation of Jantho orangutans and other biodiversity.

While part of orangutans' historic range and ideal habitat, Jantho is not within the range of those naturally remaining and therefore the entire Jantho population results from SOCP's reintroduction activities. This crucial population (one of only two Sumatran orangutan populations with long-term future viability according to the latest orangutan PHVA [4]) is expanding Sumatran orangutans' range into a strictly protected area, significantly contributing to the conservation of the entire species. This project will achieve and exceed Jantho's minimum orangutan population viability (150 individuals) established by the PHVA – a rare conservation win for this Critically Endangered species! We ultimately aim to establish a population of 300-350 individuals at Jantho, towards which this project contributes significantly.

Empowerment of the six project communities (those situated closest to the Reserve border) to earn long-term sustainable income will result in robust livelihood impacts. The enterprises established by the project will generate at least \$ [REDACTED] - [REDACTED] USD annually per community (from year 2/3 onwards), representing \$ [REDACTED] additional sustainable annual income per household; a minimum [REDACTED] increase from baseline average household income (\$ [REDACTED] USD).

This will impact a total of 840 people, including 420 women/girls benefitting from the household income. While building long-term community capacity, these enterprises offer a more sustainable future, while disincentivising fall-back on illegal activities in Jantho. Mutually reinforcing activities will see the decline of opportunistic poaching and grassland burning, further underpinned by environmental awareness-raising work. Communities will increase their resilience to withstand economic and social shocks, while conserving the natural environment and biodiversity in the process.

Our biodiversity-related changes, stemming from sustainable livelihood development and specific conservation contracts are two fold;

- In Jantho as a whole we are aiming for a 25% reduction in fire hotspots; snares/traps detected per km patrolled; and canopy cover disturbance as compared to average annual baselines (see additional materials document).

- In the critical 'central river valley area' (see additional materials document) of Jantho we are aiming for a 75% reduction in the same key indicators. The central river valley area is an area of Jantho that is particularly important for reintroduced orangutan dispersal and so by achieving these greater successes we will see enhanced forest re-growth (beyond the project term) and therefore greater connectivity of orangutan habitat in this vital area, ultimately positively impacting the potential success of the reintroduced population.

Q19. Pathway to change

Please outline your project's expected pathway to change. This should be an overview of the overall project logic and outline how you expect your Outputs to contribute towards your overall Outcome and, longer term, your expected Impact.

For the long-term survival of Sumatran orangutans, there must be multiple, dispersed, genetically viable and effectively protected populations within Sumatra (Output-1). To effectively protect these populations, local communities must have sustainable livelihoods and be engaged, and ultimately be at the forefront of the long-term conservation of Sumatran orangutans and their forest habitat (Outputs 2-5).

Through orangutan reintroduction (Output-1), this project contributes directly to creation of multiple, dispersed, viable Sumatran orangutan populations. To achieve effective protection of Jantho, our two-fold approach includes direct forest protection, achieved through JRF patrols and monitoring (Output-2) with specific focus on critical areas, thereby empowering the local people to lead Jantho protection efforts.

This project will economically empower six communities (those situated closest to the Jantho Reserve border and to which we attribute a significant proportion of illegal activities). Our theory of change is that by investing in local communities to build sustainable, profitable income sources linked to forest conservation (Outputs 3-4) then individuals are less likely to undertake interlinked wild honey collection and poaching/grassland burning within Jantho. Conservation will be further strengthened by conservation contracts with communities and environmental education, within which specific focus on Jantho's critical central river valley will be placed (Outputs 3&5).

Q20. Exit Strategy

State how the project will reach a stable and sustainable end point, and explain how the outcomes will be sustained, either through a continuation of activities, funding and support from other sources or because the activities will be mainstreamed in to "business as usual".


Where individuals receive advanced training, for example, what will happen should that individual leave?


The project will embed approaches that work together to create sustainable, long-term change. For Outputs 1 & 2 (Jantho reintroductions and JFR forest protection), these initiatives are part of SOCP's long-term strategic priorities beyond the project lifetime, as they are essential to ensuring Sumatran orangutan species survival. Accordingly, we will build on achievements made through this project while evolving and supporting similar activities in the future through a combination of new and existing partnerships and stakeholders dedicated to species conservation. We expect to retain many JRF members trained through this project over the long-term, while providing new opportunities for their continued professional development.

The project will establish self-sustaining honey cooperatives and 'SumaBee' through YEL's business arm, both of which are designed to be managed for the long-term. The latter is rooted in a business model that will be tested and refined throughout the project cycle to ensure sustainability. We will provide on-going training and support to the communities to further develop the cooperatives beyond the project lifetime. YEL and PanEco will support SumaBee until profitability through unrestricted fundraising (of which we are confident based on previous years and forecasting); based on our business planning we expect profitability by project end.

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

 [Additional Materials PanEco](#)

 09/02/2021

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 pdf 645.88 KB

Section 10 - Budget and Funding

Q21. Budget





Please complete the appropriate Excel spreadsheet, which provides the Budget for this application. Some of the questions earlier and below refer to the information in this spreadsheet. Note that there are different templates for projects requesting over and under £100,000 from the Darwin budget.

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

Please refer to the Finance for Darwin/IWT Guidance for more information.

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

Please upload your completed Darwin Budget Form Excel spreadsheet using the field below.

 [PanEco FINAL budget](#)
 09/02/2021
 23:27:04
 xlsx 68.93 KB

Q22. Funding

Q22a. Is this a new initiative or a development of existing work (funded through any source)?

Development of existing work

Please provide details:

This project is a development of existing work. Since 2011, in partnership with BKSDA Aceh and YEL, we have released 127 rehabilitated orangutans into Jantho, and established a multi-faceted Jantho conservation initiative involving forest protection, research and monitoring, and community outreach.

This project builds on a decade of dedicated programme cooperation between PanEco and YEL in Jantho including nascent community outreach work. Building on our existing community linkages and relationships as well as our successful business enterprises, this project is combining these in order to establish a robust sustainable livelihoods programme linked to threat reduction within the Reserve. In addition, the project will release a further 24 orangutans and take the total Jantho population above 150 (minimum population viability). Both these achievements will represent exciting milestones for the programme.

As the only programme in Sumatra rehabilitating orangutans for release back into the wild, the importance of the continuation and development of PanEco and YEL's work towards conservation of this Critically Endangered species cannot be overestimated. This project forms a central part of PanEco's wider strategy for conservation of Sumatran orangutans, alongside protection of other key habitats, research, illegal trade mitigation, policy development and education.

Q22b. Are you aware of any other individuals/organisations/projects carrying out or applying for funding for similar work?

No

Q23. Co-financing

Are you proposing co-financing?

Yes

Q23a. Secured

Provide details of all funding successfully levered (and identified in the Budget) towards the costs of the project, including any income from other public bodies, private sponsorship, donations, trusts, fees or trading activity, as well as any your own organisation(s) will be committing.

Donor Organisation	Amount	Currency code	Comments
Indianapolis Zoo	██████	GBP (converted)	No Response
Oak Foundation	██████	GBP (converted)	No Response
Auckland Zoo	██████	GBP (converted)	No Response
PanEco (unrestricted)	██████	GBP (converted)	No Response

Q23b. Unsecured

Provide details of any co-financing where an application has been submitted, or that you intend applying for during the course of the project. This could include co-financing from the private sector, charitable organisations or other public sector schemes. This should also include any additional funds required where a donor has not yet been identified.

Date applied for	Donor Organisation	Amount	Currency Code	Comments
No Response	No Response	0	No Response	No Response
No Response	No Response	0	No Response	No Response
No Response	No Response	0	No Response	No Response
No Response	No Response	0	No Response	No Response

Do you require more fields?

No

Section 11 - Open Access and Financial Risk Management

Q24. Outputs of the project and Open Access

Please describe the project's open access plan and detail any specific funds you are seeking from Darwin to fund this.

Simultaneous to the first year of the Darwin Initiative project, PanEco and YEL will conduct an overall evaluation of the first decade of orangutan reintroduction at Jantho (this study is additional to the ongoing monitoring of orangutan reintroduction that is embedded as part of our regular operations on which we base future reintroduction plans). The evaluation will review in detail the totality of the data to produce an evaluation of our successes and failures, in addition to a comparative study with similar projects. We hope that this review will achieve government support and provide guidance for current and prospective orangutan reintroduction projects. Our primary dissemination method will be an open access dual-language, online publication in collaboration with the Government of Indonesia.

While the Darwin Initiative project will fall outside of the timeframe of the above described evaluation, it demonstrates our commitment to open access and data sharing to which we aim to continue to cover the period of the Darwin Initiative project and beyond. As part of this project, we will conduct a final review and make the overall results available to colleagues and peers via the PanEco and SOCP websites. The project budget includes the review costs, with budget for the open access availability of the summary findings built within this.

Q25. Financial Risk Management

This question considers the financial risks to the project. Explain how you have considered the risks and threats that may be relevant to the successful financial delivery of this project. This includes risks such as fraud or bribery, but may also include the risk of fluctuating foreign exchange and internal financial processes such as storage of financial data.

Robust project financial management procedures will be established at the outset of the project to mitigate potential risks. The Darwin Initiative Grant Coordinator, with oversight from the PanEco Finance Director, will take responsibility for overseeing project financial management and procurement, including related partner coordination. PanEco has worked with YEL for 20 years and is confident in their financial management systems and capabilities. At project outset, PanEco will complete due diligence processes with YEL specifically related to Darwin Initiative financial requirements. PanEco will develop reporting templates and timelines in collaboration with YEL. PanEco will review financial reports and supporting documentation throughout the project, and follow-up on any concerns identified. Fraud and bribery mitigation activities are described in Q29.

Financial data will be stored securely by PanEco. Currency fluctuations are a risk and difficult to predict given the volatility of the global economy during the on-going pandemic, however we have worked based on a [REDACTED] rate based on our robust experience of currency transfers and the last 12 month average.

Q26. Capital items

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

The capital items budget line is for the procurement of beehives and equipment for the community cooperatives (minimum 600). We will seek to have these made locally from trusted and experienced partners and do not, therefore, see risk related to this expense. Ownership of the hives and equipment will

be transferred to the community cooperatives as part of the project, and ongoing care will form part of the conservation contracts. We will work with community cooperatives to ensure that they plan and budget for such on-going/future maintenance through their profits.

Q27. Value for Money

Please describe why you consider your application to be good value for money including justification of why the measures you will adopt will secure value for money.

Cost-Effective:

The budget is realistic as it is based on the extensive in-country experience of partners. Most costs, including for staff, are incurred in Indonesia which represents good VFM in comparison to projects which may have significant UK administrative costs. Activities related to Outputs 1,2,4 and 5 are primarily low-cost (training) or require limited inputs beyond staff costs. Output 2 activities involve salaries for SMART patrol teams and orangutan post-release monitoring staff. These represent a sustainable livelihood and living wage, but are in line with local salary standards, while having added benefits of local capacity building and empowerment.

Efficiency and Effectiveness:

The project has been collaboratively designed by the PanEco-YEL partnership on the basis of identified needs. We will draw significantly on extensive infrastructure, resources and systems established through other projects, including staff, offices, monitoring & evaluation systems, etc. Impact on the Critically Endangered Sumatran orangutans is high and achieved for a relatively modest investment, especially considering the long-term nature of project impacts. Furthermore, PanEco and YEL have a long history of working together effectively and have already established collaborative systems and processes that we will capitalise on and develop further under this project.

Co-financing

Lastly, we have secured matched funding, including financing to guarantee the honey purchase price in Year 1. The sources and amounts are provided in Section 23.

Section 12 - Ethics and Safeguarding

Q28. Ethics

Outline your approach to meeting Darwin's key principles for ethics as outlined in the guidance note. Additionally, are there any human rights and/or international humanitarian law risks in relation to your project? If there are, have you carried out an assessment of the impact of those risks, and of measures that may be taken in order to mitigate them?

This project is built on strong local leadership by YEL who will lead implementation with technical and administrative oversight by PanEco.

PanEco and YEL commit to upholding the principles of accountability and the rule of law, participation and inclusion, and equality and non-discrimination, noting that prohibited grounds of discrimination include race, ethnicity, gender, age, language, disability, sexual orientation, religion, political or other opinion, national or social or geographical origin, property, birth or other status including as an indigenous person or as a member of a minority. Partners will ensure the meaningful, effective and informed participation of stakeholders in the formulation, implementation, monitoring and evaluation of initiatives.

In implementing the project, PanEco and YEL will mainstream human-rights based approaches in the following ways:

- We will adhere to our own internal approach to complying with international human rights standards, with regard to avoiding negative impacts in the delivery of the project mission.
- The project will employ standard protocols and Standard Operating Procedures (SOPs) when working with government enforcement staff to ensure that project law enforcement efforts are respectful of human rights. This includes recognising local communities as key conservation partners and respecting the importance of cultural and customary values in natural resource management.

It is our understanding that there are no human rights or international humanitarian law risks related to this project or its implementation.

Q29. Corruption

This question specifically considers corruption. Explain how you have considered any risk of corruption that may affect the success of this project, and how you plan to manage this. This may include financial corruption, but may also deal with gifts or inducements, or other types of dishonesty or deceit.

Corruption (such as fraud or bribery) is a risk in Indonesia, with the country's 2019 scoring of 40/100 on the Corruption Perception Index (global average 43/100). PanEco has worked in Indonesia since 2001 and are well placed to mitigate this risk based on our experience working with a range of stakeholders in the country including the government. Both PanEco and YEL maintain good, anti-bribery reputations and the trust and sustained support of partners and donors, while operating in a very complex environment. Accordingly, supported by our policies and procedures including for financial management, we maintain strong capacities to mitigate against and prevent potential corruption across our programming.

Within the sub-grant agreement with YEL and consultancy contracts, clear anti-corruption clauses will be included. Furthermore, at project inception, PanEco will reinforce the importance of mitigation and management of corruption risk through a specific policy-related session during the kick-off meeting. A specific reporting mechanism for the project will be established.

Q30. Safeguarding

Projects funded through the Darwin Initiative must fully protect vulnerable people all of the time, wherever they work. In order to provide assurance of this, projects are required to have appropriate safeguarding policies in place. Please confirm the lead organisation has the following policies in place and that these can be available on request:

We have a safeguarding policy, which includes a statement of our commitment to safeguarding and a zero tolerance statement on bullying, harassment and sexual exploitation and abuse	Checked
We have attached a copy of our safeguarding policy to this application (file upload below)	Checked
We keep a detailed register of safeguarding issues raised and how they were dealt with	Checked





We have clear investigation and disciplinary procedures to use when allegations and complaints are made, and have clear processes in place for when a disclosure is made	Checked
We share our safeguarding policy with downstream partners	Checked
We have a whistle-blowing policy which protects whistle blowers from reprisals and includes clear processes for dealing with concerns raised	Checked
We have a Code of Conduct for staff and volunteers that sets out clear expectations of behaviours - inside and outside the work place - and make clear what will happen in the event of non-compliance or breach of these standards	Checked

Please outline how you will implement your policies in practice and ensure that downstream partners apply the same standards as the lead organisation.

As with anti-corruption described above, within sub-grant agreements and consultancy contracts clear safeguarding clauses will be included. Furthermore, at project inception, PanEco will reinforce the importance of robust and enforced safeguarding policies through a specific policy-related session during the kick-off meeting.

Please note that the ticked boxes above align with PanEco's current policy development process. As stated in PanEco's Feedback and Support letter, at present, PanEco's policies do not include staff based in Indonesia. However, PanEco is currently working to extend our policies to explicitly and fully cover staff based in Indonesia. PanEco is also currently further developing our policies to specifically include sections on safeguarding, and zero tolerance on bullying, harassment, and sexual exploitation. We are willing and able to submit our updated policies to LTSI before project commencement. Furthermore, PanEco and project partner staff are due to participate in upcoming UNDP training on Preventing Sexual Harassment and Abuse.

Please upload the lead organisation's Safeguarding Policy as a PDF

-  [HR Personalreglement v10 140825 en-2](#)
-  08/02/2021
-  22:03:14
-  pdf 219.52 KB

Section 13 - Logical Framework


Q31. Logical Framework


Darwin Initiative projects will be required to monitor (and report against) their progress towards their expected Outputs and Outcome. This section sets out the expected Outputs and Outcome of your project, how you expect to measure progress against these and how we can verify this.


- [Stage 2 Logframe Template](#)

Please complete your full logframe in the separate Word template and upload as a PDF using the file upload below. Copy your Impact, Outcome and Output statements and your activities below - these should be the same as in your uploaded logframe.

Please upload your logframe as a PDF document.

 [PanEco_logframe](#)

 09/02/2021

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Impact:

Multiple, viable Sumatran orangutan populations safely thrive in protected, sustainably-managed forest habitat across Sumatra, stewarded by local communities enriched by sustainable, eco-friendly livelihoods, with biodiversity conservation highly-prioritised across Indonesia.

Outcome:

The Jantho orangutan population is viable, with Jantho Nature Reserve protected and illegal activities reduced; aided by strengthened local environmental stewardship and enhanced livelihoods through profitable, sustainable honey enterprises.

Project Outputs

Output 1:

Rehabilitated Sumatran orangutans are released and monitored in Jantho Nature Reserve

Output 2:

Jantho Nature Reserve (16,000 ha) is protected by the JRF, throughout the project term and JRF capacity is increased

Output 3:

The six project communities have strengthened livelihoods opportunities, capacities and collaboration through newly established, functioning and profitable honey cooperatives.

Output 4:

YEL-owned conservation enterprise 'SumaBee' is established, the brand developed and marketed.

Output 5:

The six project communities are informed and engaged in actions to protect local forest biodiversity including Sumatran orangutans, through conservation educational and awareness-raising activities.

Do you require more Output fields?

It is advised to have less than 6 Outputs since this level of detail can be provided at the Activity level.

No

Activities

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

Project management

i. Project start up workshop

- ii. Monitoring & evaluation tools design and processes (including design of additional baselines for poverty impacts, to enhance the income indicators we have already set, and educational impacts)
- iii. Internal annual reviews of monitoring data
- iv. Final review

Output 1

- 1.1 Orangutan release (this is based on the readiness of specific individuals in our rehabilitation centre for release)
- 1.2 Daily post-release monitoring
- 1.3 Orangutan surveys (JRF)

Output 2

- 2.1 Monthly patrol missions take place (average 2 missions/month @10 days/mission)
- 2.2 Identified threats reported to BKSDA Aceh
- 2.3: Community Ranger training takes place, at least 2 events per year covering subjects including :reptile/mammal surveying methods, MIST datasheet formats, GPS phenology and single rope climbing, and first aid.

Output 3:

- 3.1 Participatory training of at least 12 community members in certified, professional beekeeping including cultivation and post-harvest processing (1st stage)
- 3.2 Local procurement of beehives and supply to community
- 3.3 Participatory training in business management and operations
- 3.4 Facilitation of cooperative model establishment, equitable benefit sharing mechanisms and signing of community conservation contracts
- 3.5 Cooperatives are supported with everyday operations, management and technical issues

Output 4

- 4.1 The SumaBee business is established as a legal Indonesian entity
- 4.2 Branding is established and marketing implemented
- 4.3 Target volumes of honey are processed (2nd stage) and packaged
- 4.4 Product presence online is established

Output 5

- 5.1 Baseline survey measures existing knowledge, attitudes and practices on forest, orangutan and biodiversity protection
- 5.2 Module outline and structure developed
- 5.3 Pre-and post-training surveys developed
- 5.4 Education activities take place across all project communities
- 5.5 Kemah Konservasi takes place


Section 14 - Implementation Timetable


Q32. Provide a project implementation timetable that shows the key milestones in project activities


Provide a project implementation timetable that shows the key milestones in project activities. Complete the Excel spreadsheet template as appropriate to describe the intended workplan for your project.


Implementation Timetable Template

Please add/remove columns to reflect the length of your project. For each activity (add/remove rows as appropriate) indicate the number of months it will last, and fill/shade only the quarters in which an activity will be carried out. The workplan can span multiple pages if necessary.

 [Implementation timetable PanEco](#)

 09/02/2021

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Section 15 - Monitoring and Evaluation

Q33. Monitoring and evaluation (M&E)

Describe, referring to the Indicators above, how the progress of the project will be monitored and evaluated, making reference to who is responsible for the project's M&E.

Darwin Initiative projects are expected to be adaptive and you should detail how the monitoring and evaluation will feed into the delivery of the project including its management. M&E is expected to be built into the project and not an 'add' on. It is as important to measure for negative impacts as it is for positive impact. Additionally, please indicate an approximate budget and level of effort (person days) to be spent on M&E (see [Finance Guidance for Darwin/IWT](#)).

PanEco will maintain overall responsibility for monitoring & evaluation of the project, working closely in coordination with YEL throughout all stages of the project. This will be led by the Darwin Initiative Grant Coordinator at PanEco, with support from the Project Technical Director, while there will also be an M&E focal point within YEL. Based on the project logical framework, we will develop a M&E plan that clearly indicates key information across each outcome and output including data collection methods and timelines, necessary data collection tools required and roles and responsibilities. This will be discussed in detail at the project kick-off workshop and revised accordingly through discussions. PanEco will provide on-going oversight and support to YEL in the implementation of the M&E plan and the development of tools, such as post-training evaluation questionnaires.

An additional baseline will be completed at project outset to enhance current indicators and baselines; specifically this will look at additional poverty impact indicators to further deepen income outcomes the project is already set to measure, additionally we will set a baseline around current environmental awareness within target communities. PanEco will develop an overall results tracker used to record progress against all outcomes/outputs (underpinned by supporting data and evidence). These will be maintained through existing monthly and quarterly reporting systems between PanEco and YEL. Currently, we have robust processes and systems in place for monitoring Outputs 1 and 2, and the project will extend this for monitoring Outputs 3-5.

YEL will also provide quarterly narrative reports aligned to the M&E plan, that include reporting progress against respective outcomes/outputs in the results tracker and providing further qualitative details. Data will be reviewed quarterly and any adaptive measures that are needed to be taken across the project will be planned. An overall project review will be collaboratively carried out at project end.

While YEL have suitable capacities in monitoring and evaluation, PanEco will assess M&E capacities required for this project in specific detail as part of due diligence processes. Relevant M&E training will be provided at the project inception workshop, and establish any further provisions required for follow up support.

Underpinned by in-country monitoring and reporting, the Grant Coordinator will prepare and submit regular reports to the Darwin Initiative within the agreed timeframe, in close collaboration with PanEco and YEL staff maintaining responsibility for the project.

Total project budget for M&E in GBP (this may include Staff, Travel and Subsistence costs)	£ [REDACTED]
Number of days planned for M&E	42
Percentage of total project budget set aside for M&E (%)	6

Section 16 - FCDO Notifications

Q34. FCDO Notifications

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

No

Please indicate whether you have contacted your Foreign Ministry or the local embassy or High Commission (or equivalent) directly to discuss security issues (see [Guidance Notes](#)) and attach details of any advice you have received from them.

Yes (no written advice)

Please attach details of any advice you have received.

No Response

Section 17 - Certification

Q35. Certification

On behalf of the

Trustees

of

PanEco

I apply for a grant of





£402,812.00

I certify that, to the best of our knowledge and belief, the statements made by us in this application are true and the information provided is correct. I am aware that this application form will form the basis of the project schedule should this application be successful.

(This form should be signed by an individual authorised by the applicant institution to submit applications and sign contracts on their behalf.)

- I have enclosed CVs for key project personnel, letters of support, budget and project implementation timetable (uploaded at appropriate points in application).
- Our last two sets of signed audited/independently verified accounts and annual report are also enclosed.

Checked

Name	Dr Ian Singleton
Position in the organisation	Director, Sumatran Orangutan Conservation Programme
Signature (please upload e-signature)	 Dr Ian Singleton signature  08/02/2021  22:14:46  pdf 43.38 KB
Date	09 February 2021

Section 18 - Submission Checklist

Checklist for submission

	Check
I have read the Guidance, including "Guidance Notes for Applicants" and "Finance Guidance".	Checked
I have read, and can meet, the current Terms and Conditions for this fund.	Checked
I have provided actual start and end dates for the project.	Checked
I have provided my budget based on UK government financial years i.e. 1 April - 31 March and in GBP.	Checked
I have checked that our budget is complete, correctly adds up and I have included the correct final total at the start of the application.	Checked
The application been signed by a suitably authorised individual (clear electronic or scanned signatures are acceptable).	Checked

I have included a 1 page CV or job description for all the key project personnel identified at Question 12, including the Project Leader, or provided an explanation of why not.	Checked
I have included a letter of support from the the Lead Organisation and main partner organisation(s) identified at Question 11, or an explanation of why not.	Checked
I have included a cover letter from the Lead Organisation, outlining how any feedback received at Stage 1 has been addressed where relevant.	Checked
I have included a copy of the lead organisation's safeguarding policy, which covers the criteria listed in Question 30.	Checked
I have been in contact with the FCDO in the project country/ies and have included any evidence of this. If not, I have provided an explanation of why not.	Checked
I have included a signed copy of the last 2 annual report and accounts for the Lead Organisation, or provided an explanation if not.	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 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 [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 organisation, 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).