

Requesting country or countries:	Cook Islands
Request title:	Technical support and guidance to conduct a Technology Needs Assessment, develop a Technology Roadmap for the Cook Islands and provide technical assistance to develop a GCF Readiness proposal to fund the project.
NDE	Mr Wayne King Director, NDE, NDA Wayne.king@cookislands.gov.ck Office of the Prime Minister Parekura, Rarotonga, Cook Islands
Request Applicant:	Climate Change Cook Islands, Office of the Prime Minister Celine Dyer Coordinator Celine.dyer@cookislands.gov.ck Parekura, Rarotonga, Cook Islands

Climate objective:

- Adaptation to climate change
- Mitigation of climate change
- Combination of adaptation and mitigation of climate change

Geographical scope:

- Community level
- Sub-national
- National
- Multi-country

If the request is at a sub-national or multi-country level, please describe specific geographical areas (provinces, states, countries, regions, etc.).

Problem statement related to climate change (up to one page):

This is the first request from the Cook Islands seeking technical assistance from CTCN to assist and provide guidance with the Technology Needs Assessment TNA and development of the country Technology Roadmap as well as assistance to develop a GCF Readiness proposal to fund the project.

The Cook Islands is a small island developing state consisting of 15 small islands with a land mass of approximately 240sqkms and an Exclusive Economic Zone of nearly 2million square kilometers of the Pacific Ocean. The islands are made up of 7 low lying coral atolls rising from 5 – 9 meters above the mean sea level mark and 2 small sand cay islands with the rest made up of coralline and volcanic

formation. It has a total population of 17, 459 (2016 Census Report).

Although it contributes to only 0.00012% of total global GHG emission (2004, IPCC Report), it is particularly vulnerable and at the forefront of the impacts of climate change such as sea level rise, increased temperatures, ocean acidification, increased precipitation and lengthy drought periods affecting ecosystem services, livelihoods, infrastructure and economic progress.

Outward migration of the population is an ongoing issue subsequently leading to brain drain and reduced local capacity affecting country progress and development particularly in science and climate related technologies.

Previously under the Cook Islands Second National Communication a pilot technology needs assessment was conducted to complete the technology transfer component of the report. The recommendation from that assessment was for Cook Islands to undertake a full TNA and develop a TNA Roadmap. Due to funding and capacity constraints, the Cook Islands had not been able to move this forward.

Past and on-going efforts to address the problem (up to half a page):

The Cook Islands has taken bold steps in the move to addressing climate change challenges by developing country frameworks articulating priority areas whilst also putting in place the necessary mechanisms, institutional arrangements and strengthening to address climate change challenges. These include the institutional strengthening of financial systems achieving direct access to the Adaptation Fund in 2017. The 20 year national vision of 'Te Kaveinga Nui' supported by 3 subsequent National Sustainable Development Plans 2007 – 2020. The development of the Climate & Disaster Compatible Development Policy 2013 – 16 (currently under review), the completion of the second Joint National Action Plan for Climate Change and Disaster Risk Management 2016 – 2020. The Cook Islands NDC specifically targets renewable energy with the view to invest in improved and efficient technologies to upgrade these systems and targeting the land transport sector in the next NDC. The Cook Islands have also accessed two Readiness rounds of funds from GCF for NDA capacity building and institutional strengthening and have recently submitted its application to GCF for AE status.

In spite of this, the technology aspect of the country had not progressed any further due to the lack of appropriate resources, skills, capacity and expertise to drive and undertake such work. Hence, the request for technical guidance and support from CTCN pool of expertise will ensure quality assurance and international standards are met.

Specific technology¹ barriers (up to one page):

Cook Islands approach to technology is adhoc as there is no assigned agency mandated or institutional framework to provide guidance in this area. Therefore, the onus is on the responsible agency to determine the best technology affordable to the country and suitable for the purpose. The only instant where technology quality assurance is required is during the tender process, however, this does not mean that those on the committee are expertise in the area and there is no guidance for effective

¹ "any equipment, techniques, practical knowledge and skills needed for reducing greenhouse gas emissions and adapting to climate change" (Special Report on Technology Transfer, IPCC, 2000)

decision making.

Sectors:

Please indicate the main sectors related to the request:

- | | | | |
|--|--|--|---|
| <input checked="" type="checkbox"/> Coastal zones | <input checked="" type="checkbox"/> Early Warning and Environmental Assessment | <input checked="" type="checkbox"/> Human Health | <input checked="" type="checkbox"/> Infrastructure and Urban planning |
| <input checked="" type="checkbox"/> Marine and Fisheries | <input checked="" type="checkbox"/> Water | <input checked="" type="checkbox"/> Agriculture | <input type="checkbox"/> Carbon fixation |
| <input checked="" type="checkbox"/> Energy Efficiency | <input checked="" type="checkbox"/> Forestry | <input type="checkbox"/> Industry | <input checked="" type="checkbox"/> Renewable energy |
| <input checked="" type="checkbox"/> Transport | <input checked="" type="checkbox"/> Waste management | | |

Please add other relevant sectors:

Cross-sectoral enablers and approaches:

Please indicate the main cross-sectoral enablers and approaches

- | | | | |
|---|---|---|---|
| <input checked="" type="checkbox"/> Communication and awareness | <input checked="" type="checkbox"/> Economics and financial decision-making | <input checked="" type="checkbox"/> Governance and planning | <input checked="" type="checkbox"/> Community based |
| <input checked="" type="checkbox"/> Disaster risk reduction | <input checked="" type="checkbox"/> Ecosystems and biodiversity | <input checked="" type="checkbox"/> Gender | |

Technical assistance requested (up to one page):

Overall objective;

To conduct a TNA and develop a Technology Roadmap for the Cook Islands and to assist with the development of a GCF Readiness proposal.

- *Funds received from GCF will enable the Cook Islands to conduct a TNA and develop a Technology Roadmap*
- *The Technology Roadmap will be a guiding document to institutional processes, policies and regulations for climate specific technology deployment*
- *This will enable the Cook Islands to develop strong proposals, technology programmes and projects*
- *Further develop more in-depth technology roadmaps and action plans*
- *Build in country capacity on climate technology*

This will strongly contribute to sustainable low carbon and climate resilient development as well as the assurance of quality and international standards adherence to climate technologies.

Expected timeframe:

The CTCN assistance will be required for the development of the GCF Readiness proposal of 3 months and for the duration of the TNA of 12 months, a total of 15 months.

Anticipated gender and other co-benefits from the technical assistance:

Cook Islands is a small country with small population, so this project will benefit the whole country.

Key stakeholders:

Stakeholders	Role to support the implementation of the technical assistance
National Designated Entity	<i>Focal point for interacting with the CTC</i>
Request Applicant	<i>Climate Change Cook Islands office will drive and coordinate the process and provide in country support to the CTC team.</i>
Government ministries, relevant private sectors, Island Councils, NGOs.	<i>Will coordinate appropriate technology transfer to the relevant public/private entities and islands.</i>

Alignment with national priorities (up to 2000 characters including spaces):

This request is well aligned with the Cook Islands national priorities outlined below in the following national frameworks.

Reference document (please include date of document)	Extract (please include chapter, page number, etc.).
Nationally Determined Contribution (NDC) 2015 - 2020	<p><i>'To ensure sustainability and the credibility of its efforts, the Cook Islands will endeavour to put in place the appropriate structures to monitor, evaluate and pursue value added activities. These will include inter alia undertake the construction of additional and new grid storage, integration of improved energy efficiency and new technologies, technology transfer, and strengthening capacities for overall sustainability and co-benefits.'</i></p> <p><i>"Given that the transport sub sector is the second highest GHG emitter in the Cook Islands, the Customs Tariff Act 2012 establishes noteworthy duty rates on the importation of motor vehicles. Additionally, the Cook Islands is looking to embrace proven low carbon transport technologies and is currently exploring the most effective incentives for promotion of transition towards clean energy transportation. This will further reduce our overall emissions, conditional on external support.'</i></p> <p><i>(page 2)</i></p>
Joint National Action Plan JNAPII – 2016 - 2020	<p><i>Vision statement – 'A safe, resilient and sustainable Cook Islands'</i></p> <p><i>We aspire to strengthen climate and disaster resilience to protect lives, livelihoods, economic infrastructural, cultural and environmental assets in the Cook Islands (page 50)</i></p>

National Sustainable Development Plans NSDP 2016 - 2020	<p><i>Goal 5: Build resilient infrastructure and ICT to improve our standard of living.</i></p> <p><i>Goal 6: Improve access to affordable, reliable, sustainable, modern energy and transport.</i></p> <p><i>Goal 13: Strengthen resilience to combat the impacts of climate change and natural disasters.</i></p>
Nationally Appropriate Mitigation Actions	<p><i>Cook Islands NAMA sets out the support requirements needed to achieve the Cook Islands Renewable Energy ambition target of 100% cover by 2020. It specifies the use of mature, proven and economic energy technologies on the project.</i></p>
Climate & Disaster Compatible Development Policy 2013 - 2016	<p><i>Strategic Objective 3 – Low Carbon Development</i></p> <p><i>“Enable sustainable development through investment in proven low carbon infrastructure and technology development while becoming carbon neutral through effective measures in land and sea use, electricity, energy efficiency, transport and waste management.” (page 5)</i></p>

Development of the request (up to 2000 characters including spaces):

The request was initiated and developed by the Climate Change office after attending a workshop in South Korea in July this year. The country NDE/NDA was consulted and gave support to the request.

Background documents and other information relevant for the request:

All necessary documents for this request are provided above and no support was requested from the CTCN incubator project.

OPTIONAL: Linkages to Green Climate Fund Readiness and Preparatory Support

The CTCN is collaborating with the GCF in order to facilitate access to environmentally sound technologies that address climate change and its effects, including through the provision of readiness and preparatory support delivered directly to countries through their GCF NDA. These actions are in line with the guidance of the GCF Board (Decision B.14/02) and the UNFCCC, particularly paragraphs 4 and 7 of 14/CP.22 that addresses Linkages between the Technology and the Financial Mechanisms².

The CTCN is therefore implementing some of its technical assistance using GCF readiness funds accessed via the country's NDA. Any application for GCF support, including the amount of support provided, is subject to the terms and conditions of the GCF and should be developed in conjunction with the NDA.

Please indicate whether this request has been identified as preliminarily eligible by the NDA to be considered for readiness support from the GCF.

Initial engagement: The GCF NDA of the requesting country has been engaged in the design of this request and the NDA will be involved in the further process leading to an official agreement for

² Please see:

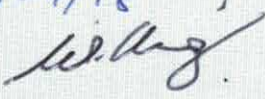
https://unfccc.int/files/meetings/marrakech_nov_2016/application/pdf/auv_cop22_i8b_tm_fm.pdf

accessing GCF readiness support.

Advanced engagement (preferred): The GCF NDA of the requesting country has been directly involved in the design of this request and is a co-signer of this request, the signature indicating provisional agreement to use readiness national funds to support the implementation of the technical assistance.

NDA name: Mr Wayne King

Date: 18/09/18

Signature: 

Monitoring and impact of the assistance:

By signing this request, I affirm that processes are in place in the country to monitor and evaluate the technical assistance provided by the CTCN. I understand that these processes will be explicitly identified in the CTCN Response Plan and that they will be used in the country to monitor the implementation of the technical assistance following standard CTCN procedures.

Signature:

NDE name: Mr Wayne King

Date: 18/09/18

Signature: 

THE COMPLETED FORM SHALL BE SENT TO THE CTCN@UNEP.ORG

The CTCN is available to answer all questions and provide guidance on the application process.