

*Please fill in the form in the grey spaces, by following the instructions in italic.*

<b>Requesting country:</b>	<i>State of Palestine</i>
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<b>Request title:</b>	<i>Technology Road Map for the Implementation of Climate Action Plans (INCR, NAP and NDC)</i>
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<b>Contact information:</b>		
<i>{Please fill in the table below with the requested information. The request proponent is the organization that the request originates from, if different from the National Designated Entity (NDE).}</i>		
	<b>National Designated Entity</b>	<b>Request Applicant</b>
Contact person:	<i>Nedal Katbeh- Bader</i>	<i>Nedal Katbeh- Bader</i>
Position:	<i>Minister's Advisor for Climate Change</i>	<i>Minister's Advisor for Climate Change</i>
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<b>Technology Needs Assessment (TNA):</b>
<i>{Select one of the three boxes below:}</i>
<input type="checkbox"/> <i>The requesting country has conducted a TNA in .... (please insert date of TNA completion)</i>
<input type="checkbox"/> <i>The requesting country is currently conducting a TNA</i>
<input checked="" type="checkbox"/> <i>The requesting country has never conducted a TNA</i>
<i>{If the requesting country has completed a TNA, please indicate what climate technology priority this request directly relates to. Please indicate reference in TNA/TAP/Project Ideas.}</i>

<b>CTCN Request Incubator Programme:</b>
<i>{Please indicate if this request was developed with support from the Request Incubator Programme:}</i>
<input type="checkbox"/> <i>Yes</i>
<input checked="" type="checkbox"/> <i>No</i>

<b>Geographical focus:</b>
<i>{Select below the most relevant geographical level for this request:}</i>
<input type="checkbox"/> <i>Community-based</i>
<input type="checkbox"/> <i>Sub-national</i>




National

Multi-country

*{If the request is related to the sub-national or multi-country level, please indicate here the areas concerned (provinces, states, countries, regions, etc.)}*

**Theme:**

*{Select below the most relevant theme(s) for this request:}*

Adaptation to climate change

Mitigation to climate change

Combination of adaptation and mitigation to climate change

**Sectors:**

*{Please indicate here the main sectors related to the request. e.g. energy, industry, transport, waste, agriculture/fisheries, forestry, water, ecosystem/biodiversity, coastal zones, health, education, infrastructure/human settlement, tourism, businesses, early warning/disaster reduction, institutional design and mandates, cross-sectorial}*

*Cross-sectorial with particular focus on Water, agriculture, energy.*

**Problem statement (up to one page):**

*{Please describe here the difficulties and specific gaps of the country in relation to climate change, for which the country is seeking support from the CTCN. Please only provide information directly relevant to this request, and that justifies the need for CTCN technical assistance.}*

*The State of Palestine is particularly vulnerable to the impacts of climate change, which will not only have severe implications for the economy, society and environment in Palestine, but also for the wider political context of the region. The Climate Change Adaptation Strategy and Program of Action for the State of Palestine has previously identified water and food security as the most vulnerable issues in the State of Palestine with knock-on implications for all sectors. Israeli occupation substantially reduces the State of Palestine's adaptive capacities in relation to many issues thereby compounding climate vulnerabilities. The State of Palestine intends to understand these challenges, and to play a role in the international efforts to tackle climate change. It plans to do its best to adopt low emission development strategies including lower energy, resource consumption and producing less waste. The preparation of the Initial National Communication Report (INCR) aims to enhance the capacity of the State of Palestine to mainstream and address the challenges of climate change, particularly in the field of adaptation and in the areas of reporting and the mitigation of greenhouse gas (GHG) emissions.*

*Building upon the Climate Change Adaptation Strategy and Program of Action, the National Adaptation Plan (NAP) to Climate Change from 2016 has identified a range of adaptation options for Palestine and a further analysis has prioritized 'highly vulnerable' issues. Finally, the State of Palestine has formulated their Nationally Determined Contribution (NDC) to the UNFCCC. The NDC captures all national climate efforts and underpins the State of Palestine all national climate change adaptation and mitigation.*





*In light of the INCR, NAP and NDC, the State of Palestine has identified a number of climate technology needs will are required for the implementation of national climate efforts. In order to support these needs, a support for a Technology Road Map for the Implementation of Climate Action Plans is proposed to the CTCN. CTCN support for the development of a climate technology road map will have important impact on the ability of State of Palestine to join the international efforts in combating climate change and in decreasing the emissions of GHGs.*

**Past and ongoing efforts (up to half a page):**

*{Please describe here past and on-going processes, projects and initiatives implemented in the country to tackle the difficulties and gaps explained above. Explain why CTCN technical assistance is needed to complement these efforts, and how the assistance can link or build on this previous work.}*

*The Palestinian Central Bureau of Statistics (PCBS) created a partial GHG inventory in 2012, and this provided a strong foundation for Palestine to create a more complete and transparent inventory in 2015. The baseline year chosen for the updated GHG inventory was 2011 as it was the most recent year with the most complete set of reliable activity data. However, Palestine has gone beyond the requirement of the national communication to produce a GHG inventory for a single year and has created a GHG inventory with a time series from 2006-2013. Creating a time series has allowed Palestine to develop a greater understanding of changes in their GHG emissions over time and also their mitigation options.*

*The assessment of potential GHG mitigation options must be done by looking at the possible future emissions from all sectors in Palestine. Palestine is likely to develop substantially over the next two and a half decades, and an analysis that only focused on current emissions would therefore be misleading.*

*Palestine can respond to climate change by reducing GHG emissions and enhancing sinks and reservoirs. The capacity to do so depends on socio-economic and environmental circumstances and the availability of information and technology. To this end, a wide variety of policies and instruments should be available to governments to create the incentives for mitigation actions.*

*In the area of Adaptation, NAP was prepared with the participation and involvement of all relative stakeholders in which 12 sectors were identified. The implementation of these adaptation options needs the availability of proper technical and technological means of implementation. Assessing and define these needs is very crucial.*

*Finally, the State of Palestine has formulated their NDC capturing all climate related actions and priorities.*

**Assistance requested (up to one page):**

*{Please describe here the scope and nature of the technical assistance requested from the CTCN and how this could help address the problem stated above and add value vis-à-vis the past and on-going*



efforts. Please note that the CTCN facilitates technical assistance and is not a project financing mechanism.}

Capacity building in the context of developing a climate technology road map and for mobilizing required financial resources for the implementation of existing national climate plans and programmes) is crucial to the State of Palestine. The capacity building should assist to build, develop, strengthen, enhance, and improve the State of Palestine's capabilities to achieve climate technology oriented objectives of adaptation and mitigation of climate change. Thus capacity building activities and capacity enhancement needed, for example technical training, and sufficient qualified staff are needed to fulfill the climate obligations of Palestine which may mean capacity enhancement is required.

The overall objective and the expected output from the requested CTCN assistance is the formulation of a Technology Road Map for the implementation of Climate Action Plans (INCR, NAP and NDC) by the State of Palestine. In order to secure financial resources for the formulation of the Technology Road Map and other enabling activities in Palestine, the requested CTCN assistance also includes an application for the Green Climate Fund Readiness Support.

The requested technology roadmap will provide a ready-to-use structure for the various national climate action plans, translating the plans' objectives into concrete, time-related actions related to a selected group of technologies. The underlying application for the Green Climate Fund Readiness Support will require assistance to relevant stakeholders in Palestine for developing the skills and expertise needed to request support from the Green Climate Fund Readiness window.

Within the climate technology roadmap and Green Climate Fund Readiness application, there are a number of specific technical capacity needs:

- Understand a variety of adaptation and mitigation technologies available in the market and affordable for various sectors as well as their suitability to be implemented.
- Develop methods to diagnose and design range of climate technology transfer projects accessibility and acceptability from the prioritized technology portfolio and linking them to climate finance mechanisms
- The work should involve detailing technological requirements for the diagnostic and design method that refer to implementation, accessibility to financing and resources, availability of service reliability and resource security and acceptability social and ecological improvements
- In order to fast track implementation of related technologies, assistance is required in developing methodologies for different sectors identified in INCR, NAP and NDC.
- Particular skills and resources needed include technical training of the relevant stakeholders to increase their understanding of the mitigation and adaptation technologies that are available and could be used in Palestine
- Technical training to share experience and best practice with the deployment of these mitigation technologies in similar regions (e.g. other parts of the Middle East).
- Capacity support for developing bankable and financeable business proposals for climate technology transfer and implementation.

**Expected benefits**(up to half a page):



*{Please outline here the medium and long-term impacts that will result from the CTCN technical assistance, including how the assistance will contribute to mitigate and/or adapt to climate change.}*

*The development of a technology road map for the implementation of climate action plans will provide and clarify recommendations on available climate technologies in Palestine and enable further climate technology transfer in support of the INCR, NAP, National Climate Change Adaptation Strategy, the TNA and NDC. This will be combined with enhanced national capacities for mobilizing financial resources supporting the implementation of these national climate plans whereby an enabling environment for medium and long-term climate impact is created.*

**Post-technical assistance plans (up to half a page):**

*{Please describe here how the results of the CTCN technical assistance will be concretely used by the applicant and national stakeholders, to pursue their efforts of resolving the problems stated above after the completion of the CTCN intervention (list specific follow-up actions that will be undertaken).}*

*Now that Palestine has become a party to the UNFCCC, and signed and ratified Paris Agreement, the CTCN technical assistance will have a positive impact on the development of the following key areas:*

- *Development of a complete MRV and M&E system*
- *Identification, prioritization and development of NAMAs*
- *Development of Low Emission Development Strategy (LEDS)*
- *Negotiation skills training*
- *Capacities to create and report a BUR*

**Key stakeholders:**

*{Please list in the table below the main stakeholders who will be involved in the implementation of the requested CTCN technical assistance, and what their role will be in supporting the assistance (for example, government agencies and ministries, academic institutions and universities, private sector, community organizations, civil society, etc.). Please indicate what organization(s) will be the main/lead counterpart(s) of CTCN experts at national level, in addition to the NDE.}*

<b>Stakeholder</b>	<b>Role to support the implementation of the assistance</b>
<i>Environment Quality Authority</i>	<i>National Designated Entity</i>
<i>Environment Quality Authority</i>	<i>Lead and support, inform, monitor and report efficient and effective international, national and significant provincial and local responses to climate change</i>
<i>Palestinian Water Authority</i>	<i>Responsible for water policies and implementation of national projects</i>
<i>Ministry of Agriculture</i>	<i>Responsible for agricultural policies, and implantation of national projects and programs.</i>
<i>Palestinian Energy and Natural Resources Authority</i>	<i>Responsible for energy policy</i>




<i>Palestinian Central Bureau of Statistics</i>	<i>Data and statistics</i>
<i>Many other governmental agencies</i>	
<i>National Universities and research centers</i>	
<i>Many non-governmental agencies</i>	
<i>Private sector</i>	

**Alignment with national priorities (up to half a page):**

*{Please demonstrate here that the technical assistance requested is consistent with documented national priorities (examples of relevant national priorities include: national development plans, poverty reduction plans, technology needs assessments (TNAs), LEDS, NAMAs, TAPs, NAPs, sectorial strategies and plans, etc.). For each document mentioned, please indicate where the priorities specifically relevant to this request can be found (chapter, page number, etc.)}*

*Environment Quality Authority is mandated to coordinate climate change responses in both adaptation and mitigation. Implementation is the next step after the approval of national adaptation plan from all relevant ministries which is already done. Implementation of adaptation and mitigation should be done with every ministry and local organization. This is in line with national strategies and plans of the Palestinian Government.*

**Development of the request (up to half a page):**

*{Please explain here how the request was developed at the national level and the process used by the NDE to approve the request before submitting it (who initiated the process, who were the stakeholders involved and what were their roles, and describe any consultations or other meetings that took place to develop and select this request, etc.)}*

*The National Designated Entity held for the last couple of years and in the course of the preparation of INCRA nationwide workshops and events in which it touched upon and informed the Palestinian stakeholders of the CTCN and the technical facility being offered.*

*The request was first processed and evaluated by EQA Minister's Advisor for Climate. Then were proposed for further consultation with different stakeholders*

**Expected timeframe:**

*{Please propose here a duration period for the assistance requested.}*

*12 months*

**Background documents:**

*{Please list here relevant documents that will help the CTCN understand the context of the request and national priorities. For each document, provide weblinks if available, to attach to the submission form while submitting the request. Please note that all documents listed/provided should be mentioned in this request in the relevant question(s), and that their linkages with the request should be clearly indicated.}*

*Climate Change Adaptation Strategy and Program of Action for the Palestinian Authority  
[http://www.lacs.ps/documentsShow.aspx?ATT\\_ID=6054](http://www.lacs.ps/documentsShow.aspx?ATT_ID=6054)*



*In addition, INCR and NAP are attached to the request.*

[http://unfccc.int/national\\_reports/non-annex\\_i\\_natcom/submitted\\_natcom/items/653.php](http://unfccc.int/national_reports/non-annex_i_natcom/submitted_natcom/items/653.php)

<http://www4.unfccc.int/nap/Pages/national-adaptation-plans.aspx>

**Monitoring and impact of the assistance:**

*{Read carefully and tick the boxes below.}*

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

I understand that, after the completion of the requested assistance, I shall support CTCN efforts to measure the success and effects of the support provided, including its short, medium and long-term impacts in the country.

**Signature:**

NDE name: Environment Quality Authority

Date: 6 January 2017

Signature:



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

*Need help? The CTCN team is available to answer questions and guide you through the process of submitting a request. The CTCN team welcomes suggestions to improve this form.*

*>>> Contact the CTCN team at [ctcn@unep.org](mailto:ctcn@unep.org)*

