

**Guidelines:**

- This Request Submission Form should be completed by the organisation requesting technical assistance from the Climate Technology Centre & Network (CTCN) in collaboration with the National Designated Entity (NDE) of the country in question.
- The Form must be signed by the NDE. Please see updated contact list of NDEs here: <http://unfccc.int/ttclear/support/national-designated-entity.html>
- The Form can be submitted as a Word file containing a digital signature or as a signed and scanned PDF file in combination with an un-signed Word file.
- For requests submitted by multiple countries, all the NDEs of the respective countries shall sign identical Forms before official submission to the CTCN.
- NDEs have the opportunity to submit CTCN requests in collaboration with National Designated Authorities (NDAs) for the Green Climate Fund (GCF) if targeting the GCF Readiness Programme.

Requesting country or countries:	Republic of Paraguay
Request title:	Technology Needs Assessment (TNA) and Technology Action Plan (TAP) to implement current NDCs
NDE	Ministry of Environment and Sustainable Development (MADES) former Environment Secretary, Eng. Gustavo Evelio González, point person for CTCN +595212879000 Ext.: 204 Asunción - Paraguay
Request Applicant:	National Directorate of Climate Change Email: dpto.adaptacion.dncc.mades@gmail.com dncc@mades.gov.py dncc@mades.gov.py

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 section should answer the question “what is the problem?” Please summarise the problem related to climate change and/or the negative impacts of climate change in the country that the request aims to address.

To date, the Republic of Paraguay has not addressed, or has only just started to address, the development and transfer of technology, within the UNFCCC framework. This is why a section about it has not been included previously in the reports submitted by Paraguay to UNFCCC, why a section on it has been included in the reports presented by Paraguay to UNFCCC, and why it was opposed by the reviewers of the ICA in the second IBA presented in December 2018.

Neither was technology adequately considered in the NDCs presented in October 2015.

However, to efficiently reach the NDCs targets by 2030 the country needs to have a TNA and TAP in place.

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

This section should answer the question “what has been done or is currently being done to address the problem?” Please describe past and on-going processes, projects or initiatives implemented in the country or region to tackle the climate problem as described above.

In 2002, the Republic of Uruguay produced a report describing the situation regarding transfer of technology. Currently, it has a myriad of public policy instruments on climate change adaptation and mitigation, which must be put into practice with a focus on development and transfer of technology.

Additionally, with funds from the “Leaders of Ambition” project implemented by the Independent Alliance of Latin America and the Caribbean (AILAC), of which Paraguay is a member, and with funding from the German initiative, IKI, it is seeking to recruit a technical assistant to begin systematizing subject related data. The development of a TAP will provide Paraguay with better opportunities to raise funds for implementing appropriate technology to reduce GHG emissions and build resilience, thus contributing to reaching the 2030 NDC targets.

Specific technology¹ barriers (up to one page):

This section should answer the questions “what are the technology barriers that hinder national efforts described above” and “how will the CTCN technical assistance complement these efforts?” Building upon the problem statement and taking into consideration the existing efforts described above, please describe the specific technology barriers encountered by the requesting applicant to identify, assess or deploy climate technology(ies) in an effort to address the problem statement. The described barriers should be within the scope of the requested CTCN technical assistance (described in the section below).

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)

Paraguay does not yet have a TNA, which limits the country's ability to make effective and efficient decisions regarding the application of the best technologies available for reducing emissions and building resilience.

The Republic of Paraguay needs to strengthen technical and above all political capacities so as to actively generate both technological innovation and knowledge at the inter-sectoral level with the private sector, who are the actors with the greatest financial capacity. Furthermore, with regard to transparency, this information should be systematized and available on the various state websites, and the possibility of creating a platform for exchanging information about the TNA and progress in the implementation of the TAP could even be considered.

Sectors:

Please indicate the main sectors related to the request:

- | | | | |
|---|--|--|---|
| <input 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 type="checkbox"/> Marine and Fisheries | <input checked="" type="checkbox"/> Water | <input checked="" type="checkbox"/> Agriculture | <input checked="" type="checkbox"/> Carbon fixation |
| <input checked="" type="checkbox"/> Energy Efficiency | <input checked="" type="checkbox"/> Forestry | <input checked="" 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: Capacity building / Legal framework / Land reclamation

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):

Founded on the problem statement, past/on-going efforts and technology barriers, please describe the requested technical assistance. The technical assistance should clearly contribute to mitigation or adaptation to climate change as described in the problem statement and contribute to overcome the specific technology barriers.

1. Statement of the problem

To date, the Republic of Paraguay has not addressed or has only just started to address technology transfer and development within the framework of the UNFCCC; it is for this reason that until today a

section on the matter has not been included in the reports presented to the UNFCCC. Neither was it adequately addressed in the NDCS presented in 2015.

2. Past / on-going efforts

In 2002 the Republic of Paraguay produced a report describing the situation regarding the development and transfer of technology. It currently has a myriad of public policy instruments on mitigation and adaptation to climate change, which must be put into practice with a focus on the development and transfer of technology.

Within a clearly defined scope, the description of technical assistance should be structured into the following:

- Overall objective
- Anticipated groups of activities to be performed by the technical assistance
- Anticipated products to be delivered by the technical assistance.

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

Overall objective

Develop a TNA and TAP at the national level, coordinated by the DNCC of MADES.

Groups of activities anticipated to be carried out by the technical assistance

The technical assistance requested of the CTCN will allow the country to evaluate its technological needs. Once the TNA has been developed, it is hoped that the development and transfer of technology will be achieved through the participatory development of the TAP. With regard to transparency, this transfer and development of technology must be systematized and available on the various state websites. *In order to guarantee the sustainability of the processes for developing and transferring technology, build and strengthen the capacities of all key actors in the matter.*

Expected products

The developed TNA.

The TAP developed in a participatory way. A platform for the transfer and development of technology that is systematized and available on the various state websites.

All key actors will have strengthened capacities with regards to the development and transfer of technology within the CMNUCC framework.

Expected timeframe:

Please indicate the expected duration period for the requested technical assistance. Please note CTCN technical assistance is limited to a maximum duration of 12 months.

The assistance is requested for a period of 12 months.

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

Please describe the activities with gender linkages as well as the anticipated gender and other co-benefits (e.g. biodiversity, economic, social, cultural, etc.) that are likely to be generated as a result of the technical assistance.

For more information you can find guidelines on the CTCN's website here:

<https://www.ctc-n.org/technologies/ctcn-gender-mainstreaming-tool-response-plan-development>

Further reading on gender can be found on the CTCN website here:

<https://www.ctc-n.org/technology-sectors/gender>

The Republic of Paraguay has a political instrument called the National Gender Strategy for Climate Change, of which the mission is to institutionalise gender perspectives in programs, plans and projects.

For this requested assistance in particular, the developed TNA and the development of the TAP must be linked to the strategic line of the National Gender Strategy for Climate Change Action Plan, in the following strategic lines:

Awareness-raising

Training

Communication

Promotion of initiatives

Studies and research

Empowerment

Link: [http://dncc.seam.gov.py/wp-content/uploads/2018/11/ESTRATEGIA-NACIONAL-DE-G%C3%89NERO-ANTE-EL-CAMBIO-CLIM%C3%81TICO final.pdf](http://dncc.seam.gov.py/wp-content/uploads/2018/11/ESTRATEGIA-NACIONAL-DE-G%C3%89NERO-ANTE-EL-CAMBIO-CLIM%C3%81TICO%20final.pdf)

Key stakeholders:

Please list the stakeholders who will be involved in the implementation of the requested CTCN technical assistance and describe their role during the implementation (for example, government agencies and ministries, academic institutions and universities, private sector, community organizations, civil society, etc.).

Paraguay, through National Law No. 5,875 on Climate Change, in Article 8, creates the National Commission for Climate Change (CNCC) as an interinstitutional collegiate body and deliberative and consultative body for the National Policy for Climate Change, which is presided by the Ministry of Environment and Sustainable Development (MADES); the CNCC is currently operative and is represented by 33 institutions from the public sector, private sector, academia and civil society.

Stakeholders	Role to support the implementation of the technical assistance
National Designated Entity	Ministry of Environment and Sustainable Development
Request Applicant	National Directorate of Climate Change Envr. Eng. Nora Clotilde Páez Ortiz +595973515814 Email: dpto.adaptacion.dncc.mades@gmail.com dncc@maades.gov.py
Please add as many stakeholders and lines as required.	<u>Parties that are part of the CNCC according to National Law No. 5875</u> MINISTRY OF ENVIRONMENT AND SUSTAINABLE DEVELOPMENT MINISTRY OF FOREIGN AFFARIS (MRE) MINISTRY OF INDUSTRY AND COMMERCE (MIC) MINISTRY OF PUBLIC WORKS (MOPC) MINISTRY OF FINANCE MINISTRY OF AGRICULTURE AND LIVESTOCK (MAG) MINISTRY OF PUBLIC HEALTH AND SOCIAL WELFARE - MSPyBS -

DIGESA
MINISTRY OF THE WOMAN
TECHNICAL SECRETARIAT OF SOCIAL AND ECONOMIC DEVELOPMENT
PLANNING (STP)
NATIONAL FORESTRY INSTITUTE - INFONA
NATIONAL EMERGENCY SECRETARIAT (SEN)
PARAGUAYAN INSTITUTE FOR INDIGINOUS AFFAIRS
DIRECTORATE OF METEOROLOGY AND HYDROLOGY OF THE
NATIONAL DIRECTORATE OF CIVIL AVIATION (DINAC)
CONADERNA
SUPREME COURT OF JUSTICE
BOARD OF GOVERNORS
NATIONAL ELECTRICITY ADMINISTRATION (ANDE)
ITAIPIU BINACIONAL
BINATIONAL ENTITY YACYRETA
NATIONAL UNIVERSITY OF ASUNCIÓN
OUR LADY OF THE ASSUMPTION CATHOLIC UNIVERSITY
ENVIRONMENTAL ORGANISATIONS NETWORK (ROAM)
PARAGUAYAN INDUSTRIAL UNION (UIP)
RURAL ASSOCIATION OF PARAGUAY (ARP)
MINISTRY OF EDUCATION AND SCIENCES
CONACYT
MINISTRY OF URBAN DEVELOPMENT AND HOUSING
PETROPAR
MINISTRY OF DEFENCE
MINISTRY OF CHILDHOOD AND YOUTH
FEDERATION FOR THE SELF-DETERMINATION OF INDIGINOUS
PEOPLES
MINISTRY OF SOCIAL DEVELOPMENT
POJOAJU

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

Please describe how the technical assistance is consistent with national climate priorities such as: Nationally Determined Contribution, national development plans, poverty reduction plans, technology needs assessments, Low Emission Development Strategies, Nationally Appropriate Mitigation Actions, Technology Action Plans, National Adaptation Plans, sectorial strategies and plans, etc.

The Republic of Paraguay sets out the National Change Policy in Article 5 of National Law No. 5875/17 on Climate Change, in which the following strategic pillars are defined: 1. Building Institutional Capacities; 2. Finance; 3. Education, Communication and Citizen Participation; and finally 4. Knowledge and Technology Management.

Also, Article 7 states that the national climate change policy should be aligned with the National Development Plan (NDP 2030).

It is for this reason that the National Climate Change Policy is reflected in the 2030 NDP, in order to later be based around the NDCs and thereby also in the national strategies and plans for both adaptation and mitigation.

http://dncc.seam.gov.py/wp-content/uploads/2018/11/Politica Nacional-CC_2016.pdf

<p>Reference document (please include date of document)</p>	<p>NATIONAL POLICY FOR CLIMATE CHANGE Develop and incorporate the management of scientific and technological knowledge and advances for the adaptation to and mitigation of the effects of climate change. Section 8 Strategic lines of the National Policy for Climate Change, page 12. Year 2011 Link: http://dncc.seam.gov.py/wp-content/uploads/2018/11/Politica Nacional-CC 2016.pdf</p>
<p>Nationally Determined Contribution (NDC)</p>	<p>Transfer of Technology in the NDC of Paraguay Paraguay is developing mechanisms which promote the transfer of technology in order to promote and facilitate research and analysis of technological measures and solutions applicable to vulnerability and adaptation to the effects of climate change, including those which guarantee the reduction of poverty, and food security and sovereignty. Page No. 5 Year 2015 Link: http://dncc.mades.gov.py/ndes-de-la-republica-del-paraguay</p>
<p>Technology Needs Assessment</p>	<p>The country does not have a TNA. Project PAR 98/G31 Phase 2 - “Strengthening Priority Areas in Climate Change” Final Report, February to December 2002. TECHNOLOGICAL TRANSFER A diagnostic has been carried out of Paraguay’s governmental and non-governmental institutional capacity to carry out the transfer of technology making use of the structures, functions and objectives of these leading institutions in the energy and non-energy sectors affected by the impacts of climate change. The main objective of the consultation was to develop a practical framework for the evaluation and reporting of the technology transfer needs for climate change mitigation and/or adaptation in the most vulnerable sectors. Link: http://biblioteca.seam.gov.py/wpcontent/uploads/2017/11/informe-final-proyecto-fortalecimiento-a-u00c1reas-prioritarias-en-cambio-climu00e1tico.pdf</p>

National Adaptation Plans	<p><i>Strengthen and create regional research centres (public-private alliances) to generate information and develop new technologies for making well-founded decisions.</i></p> <p>Year: 2016</p> <p>Link: http://dncc.seam.gov.py/wp-content/uploads/2018/11/Plan Nacional-de-Adaptaci%C3%B3n-al-CC-2017.pdf https://www4.unfccc.int/sites/NAPC/Pages/national-adaptation-plans.aspx</p>
Nationally Appropriate Mitigation Actions	<p>The Republic of Paraguay still lacks adequate mitigation measures related to technology development and transfer. It is for this reason that the TNA and TAP are identified as the means to identify priority measures.</p> <p>Year 2017</p>
Add others here as relevant	Not finished to date.

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

Please describe 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.

This request is being developed with the aim of evaluating priority technological needs and harmonising the country’s development towards a transition which contributes to the achievement of the NDC objectives in a viable, efficient and innovate manner.

The National Directorate for Climate Change, on the basis of the information gaps in the reports, determined that in view of the directives arising from the national policy instruments related to climate change there is an imperative need to address everything related to the development and transfer of technology in the framework of CMNUCC.

Background documents and other information relevant for the request:

Please list all relevant documents that will help the CTCN analyse the context of the request and national priorities. Please note that all documents listed/provided should be mentioned in this request in the relevant section(s), and that their linkages with the request should be clearly indicated. For each document, please provide web-links (if available) or attach to the submission form. Please add any other relevant information as required.

Please indicate if this request has been developed with the support of the CTCN Request Incubator. It has not been developed with the CTCN project incubator

Project PAR 98/G31 Phase II - “Strengthening priority areas in Climate Change” Final Report

February to December 2002.

Paraguay National Climate Change Policy

Paraguay National Development Plan 2030

Nationally Determined Contributions

Mitigation Strategy

National Strategy for Adaptation to Climate Change

National Plan for Adaptation to Climate Change

National Plan for Climate Change Mitigation and Action Programs

National Gender Strategy for Climate Change

Guides for developing local adaptation plans

Guides for developing sectoral adaptation plans

National Forest Strategy for Sustainable Growth

National Law No. 5875/17

First Biennial Update Report for the Republic of Paraguay

Second Biennial Update Report for the Republic of Paraguay

Link:

<https://www.stp.gov.py/pnd/wp-content/uploads/2014/12/pnd2030.pdf>

<http://dncc.mades.gov.py/politicas-publicas-de-cambio-climatico>

<http://dncc.mades.gov.py/ndcs-de-la-republica-del-paraguay>

<http://www.bacn.gov.py/leyes-paraguayas/8712/ley-n-5875-nacional-de-cambio-climatico#:~:text=Art%C3%ADculo%201%C2%B0.,los%20impactos%20del%20cambio%20clim%C3%A1tico.>

<https://www4.unfccc.int/sites/NAPC/Pages/national-adaptation-plans.aspx>

<http://dncc.mades.gov.py/reportes-nacionales>

<http://biblioteca.seam.gov.py/wp-content/uploads/2017/11/informe-final-proyecto-fortalecimiento-a-u00c1reas-prioritarias-en-cambio-climaticu00e1tico.pdf>

<https://www.preventionweb.net/english/policies/v.php?id=59677&cid=133>

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.

² Please see:

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

Spanish http://unfccc.int/resource/docs/2016/cop_22/spa/10a02s.pdf



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 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: Carlos Alberto Pereira Olmedo - Technical Secretariat for Economic and Social Development Planning

Date:

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.

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: Ministry of Environment and Sustainable Development (MADES)
former Environment Secretary Eng. Gustavo Evelio González, point person for the CTCN
+595212879000 Ext.: 204
Asunción – Paraguay
NDE name: Ministry of Environment and Sustainable Development
Date: 21/07/20

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.