

Initiative for Climate Action Transparency Argentina

Terms of Reference for short-term consultancy on Disruptive Technologies and Disruptive Behaviors (DTDB) and Climate Change within the Initiative for Climate Action Transparency (ICAT) Argentina Project.

UNEP DTU Partnership is seeking to hire a short-term national technical Consultant to support the National Climate Change Directorate within the Secretariat of Climate Change, Sustainable Development and Innovation from the Ministry of Environment and Sustainable Development of the Republic of Argentina in the development of the Outcome No. 2 from the ICAT Argentina Project: "Assessment of mitigation and adaptation measures involving Disruptive Technologies (DT) and Disruptive Behaviors (DB) likely to be introduced in the medium/long term in Argentina in the context of its Long-Term Mitigation Strategy, applying "Transformational Change" and "Sustainable Development" ICAT methodologies performed" and Outcome No. 3 from the ICAT Argentina Project: "Support in estimation of GHG reductions in the LULUCF sector and in the enhancement of Argentina's GHG emissions reporting format".

1. Background

The Argentine Republic ratified the United Nations Framework Convention on Climate Change (UNFCCC) in 1994 (Law No. 24,295), the Kyoto Protocol in September 2001 (Law No. 25,438) and the Doha Amendment to the Kyoto Protocol in May 2015 (Law No. 27,137). As signatory of the UNFCCC, the country undertook obligations including the report of the national greenhouse gases inventories, national programs with mitigation and adaptation actions against climate change and any other relevant information regarding to the fulfilment of the objective of the UNFCCC. As part of the country's undertaken obligations, Argentina submitted its First National Communication in July 1997, and a revised communication in October 1999. The Second National Communication was submitted in December 2007 and the Third National Communication and the First BUR were both submitted in December 2015. The Second BUR was submitted in August of 2017 and the Third BUR was presented to the UNFCCC in November 2019.

In December 2015 during COP 21, the Paris Agreement (PA) was adopted, its article No. 2 established the objective of "holding the increase in the global average temperature to well below 2 °C above pre-industrial levels and to pursue efforts to limit the temperature increase to 1.5 °C above pre-industrial levels". In September 2016, Argentina ratified the Paris Agreement (Law No. 27,270), thereby submitting its Nationally Determined Contribution (NDC) which reflects its commitment to combat climate change and its effects. Argentina's NDC outlines an absolute economy-wide reduction target of limiting its GHG emissions to 483 MtCO_{2e} by 2030.

One of the most relevant challenges the implementation of the Paris Agreement poses to countries is to count with strong Transparency Frameworks. Article No.13 of the PA establishes the need of Parties to implement national robust and transparent reporting and accounting systems to give clarity on action and support while providing clear information to stakeholders. As a part of building and enhancing their Transparency Frameworks, Parties of the UNFCCC Convention will progressively implement better tools and institutional practices, many of them not sufficiently developed in the countries. This is especially true for developing countries.

Argentina is one of the champions in terms of climate transparency following mandates established at the UNFCCC. As such, the country has been devoting work on improving transparency issues, in particular, those related to the preparation and continuous update of the

consistency of Argentina's GHG Inventory. Argentina's GHG Inventory System (the SNI-GEI-AR based at the National Climate Change Directorate) is currently the backbone of the GHG emissions accounting at country level. The main goal for the SNI-GEI-AR is to be both useful for the assessment of Argentina's NDC commitments in line with the Paris Agreement, as well as, for the interaction with several other channels that allow the incorporation of GHG emissions data into the public climate policymaking process. Moreover, Argentina is developing its national long-term low greenhouse gas emission development strategy (LTS) in order to answer to the invitation formulated in the PA.

To formulate a 2050 vision, Argentina needs to have a systematic account of the forestry sector potential GHG emissions and removals, in particular, for its importance for the long-term planning. However, this sector has an elevated uncertainty due to the existence of many different approaches to account for the potential mitigation impacts. To gain clarity on the most solid options to account for the Argentinian GHG emissions and removals from this sector at 2050 timescales, Argentina has decided to include this topic in this ICAT project.

In the same context of the preparation of Argentina's LTS, mitigation and adaptation measures involving Disruptive Technologies (DT) and Disruptive Behaviors (DB) suitable to Argentinian local conditions need to be analyzed thoroughly. An initial work to identify, define and if possible quantify of these measures involving DT and DB in a transparent manner has been included as part of this ICAT project, by using the ICAT Transformational Change and Sustainability Development methodologies as tools to analyze and account transparently for these actions in the local context.

Moreover, the country will assess the different reporting format to the UNFCCC in order to evaluate possible future improvements of the SNI-GEI-AR so as to be in line with the Biennial Transparency Reports.

Lastly, Argentina has developed a series of sectorial plans including measures across the economy, in particular in the areas of Energy, Agriculture, Forestry, Transport, Industry and Infrastructure to implement the NDC. Furthermore, the country is considering the development of an innovative approach to upscale its work on mitigation and transparency. In this regard, Argentina is putting together information on mitigation measures at different government levels, aiming to improve comparability between bottom-up and top-down mitigation and GHG inventory data. One of the mitigation areas likely to be analyzed with this approach is related to Circular Economy (CE). This area has been prioritized since there is not enough information, on how CE measures may affect Argentina's GHG accounting. Due to this gap, Argentina decided to include the quantitative analysis of this accounting aspect into this ICAT project.

2. Objective

The ICAT Argentina Project aims to assist the country in enhancing and improving technical capacities related to climate transparency efforts in three areas:

- a) Ensuring that local mitigation efforts made by the CE approach- are reflected in the overall emissions accounting of Argentina presented in its GHG National Inventory;
- b) Supporting the work on Argentina's LTS through a transparent assessment of local disruptive mitigation and adaptation measures likely to be considered into its LTS; and
- c) Increasing transparency in Argentina's GHG emissions reporting and projections in particular for the Forestry Sector.

3. Main activities and responsibilities

The local consultant is expected to support the National Consultants 2 and 3 in activities and products related to ICAT Argentina Project, especially in:

- Outcome No.2: “Assessment of mitigation and adaptation measures involving Disruptive Technologies (DT) and Disruptive Behaviors (DB) likely to be introduced in the medium/long term in Argentina in the context of its Long-Term Mitigation Strategy, applying "Transformational Change" and "Sustainable Development" ICAT methodologies performed”.
- Outcome No. 3: “Support in estimation of GHG reductions in the LULUCF sector and in the enhancement of Argentina’s GHG emissions reporting format”

The Consultant’s tasks will include revision of support documents and other inputs, development of reports and different type of materials as well as organization and coordination of different workshops related to the above-mentioned outcomes. In addition to these, and as part of a five (5) local consultants’ team, the Consultant will work in general data support activities as needed.

Expected Outputs	Activities
<p>Output 2.2: Identification of mitigation and adaptation actions including DT and DB likely to be applied in Argentina</p>	<p>2.2.1 To help in the compilation of a long list of DT and DB to assess for Argentina conditions including definition of a method for compilation (workshops, surveys, wide consultation) and initial criteria for inclusion in the long list, in agreement with the national counterpart.</p> <p>2.2.2 To work together with the National Consultant 2 in order to identify data collection needs for characterization of the DT and DB previously identified in the context of specific mitigation/adaptation actions to be included as a part of a LTS.</p> <p>2.2.3 Give support in the proposal of an initial short list of DT and DB and associated mitigation and adaptation actions, including definition of criteria for selection for discussion with the national counterpart.</p> <p>2.2.4 To support the definition of a validated short list of DT and DB and associated mitigation and adaptation actions, including definition of criteria for selection (serving as a support to a related CBIT study) and collaborate in receiving and organizing inputs from a stakeholder workshop with wide consultation.</p> <p>2.2.5 To support the definition of a methodology to apply in future similar assessments.</p>

<p>Output 2.3: Application of ICAT methodologies for ex-ante assessment of specific mitigation and adaptation actions in Argentina involving DT and DB as a part of a LTS</p>	<p>2.3.1 To help in the identification of criteria for application in Argentina of the selected mitigation and adaptation actions involving DT and DB¹.</p> <p>2.3.2 Introduce ICAT Methodologies 1) Transformational Change and 2) Sustainability Development to national counterparts and local stakeholders by organizing a series of 2 webinars from Copenhagen, and a 1-day hands-on training in Buenos Aires².</p> <p>2.3.3 To support the application of ICAT Methodologies: 1) Transformational Change and 2) Sustainability Development to selected mitigation actions involving DT and DB.</p>
<p>Output 2.4: Application of ICAT methodologies for ex-ante assessment of selected Argentina's NDC mitigation & adaptation actions</p>	<p>2.4.1 Select specific mitigation and adaptation actions of Argentina's NDC, likely to be assessed using ICAT methodologies and provide a rationale for this selection. The final list of actions to be assessed will be approved by the national counterpart.</p> <p>2.4.2 Apply ICAT Methodologies: 1) Transformational Change and 2) Sustainability Development to selected NDC actions.</p>
<p>Output 2.5: Identification of international opportunities to fund a pilot project for implementation in Argentina of mitigation and/or adaptation actions involving specific DT and DB</p>	<p>2.5.1 To help identify donors and financial sources likely to fund implementation in Argentina of specific mitigation and/or adaptation actions involving DT and DB, according to criteria defined by the national counterpart.</p> <p>2.5.2 To provide support to National Consultant 2 in requiring and organizing data for the preparation of a project idea for international funding for implementation of specific DT and DB in Argentina, following advice from the national counterpart in terms of the selection of the associated financial sources chosen, from the options identified in Activity 2.5.1.</p>

¹ Some initial criteria to consider include: Argentina environment, period of implementation, regulatory/legal framework, mitigation impact, adaptation effects, among others.

² With the support of UDP trainers. It include also 0,5 day for presenting concepts of Disruptive Technology and Behavior (1,5 days in total).

<p>Output 3.1: Technical Support for estimations of Long-Term GHG Forest related emissions as a part of the National GHG Emissions Inventory of Argentina and for the enhancement of Argentina's reporting formats</p>	<p>3.1.1 To support National Consultant 3 to provide expert analysis (desk review) on international approaches for accounting GHG emissions, removals and overall reductions from managed Forest Land (native and introduced species) in the long term: 2050 and beyond.</p> <p>3.1.2 To help defining a set of questions in the same line of the previous activity to be included by ISPRA in the discussions during the next Annual Meeting of the LULUCF Technical Group organized by JRC ISPRA in Italy.</p> <p>3.1.4 To organize and conduct, together with National Consultant 4, a 3-day Training in Buenos Aires with ISPRA trainers about CRF Reporter and LULUCF-AFOLU latest discussions.</p> <p>3.1.5 Work in the preparation of a document linking the results of the previous activities of Outcome #3 with the preparation of the LTS of Argentina, regarding LULUCF sector.</p>
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4. Expected deliverables

No.10 - Report with analysis of international discussions on including DT and DB as a part of LTS.

No.11 - Stakeholder workshop for consultation and Short list of DT and DB identified in the context of specific mitigation and adaptation actions suitable to assess, including definition of criteria for selection.

No.12 - Multicriteria and multidimensional matrices, and methodologies results based on output 2.3

No.13 - Multicriteria and multidimensional matrices, and methodologies results based on output 2.4

No.14 - Publication of Results

No.15 - Proposal for the implementation of the selected measures including benchmarks

No.17 - Preliminary and final Report with suggestion for improvement of the Argentinian Forest Land emission and removal inventory considering the results of the activities 3.1.1, 3.1.2 and 3.1.3

No. 18 - Preliminary and final Proposal of Improvements for the GHG to report at GHG Data Interface

No.19 - Document linking the results of the previous activities of Outcome #3 with the preparation of the LTS of Argentina, regarding LULUCF sector.

5. Contract terms

For the implementation of the activities described in the scope of the assignment, the consultant shall provide a total of 1800 working hours in 11 months.

For implementing the activities and deliverables specified in this ToR, the consultant will receive a total amount of \$13,456.68 USD. This amount will be paid according to the delivery of deliverables, as previously described in Section 3: "Main activities and responsibilities" and bi-monthly progress reports.

Payment is to be made in phases, distributed in indicate schedule and condition for each payment).

Payment dates	Related deliverable	Amount	Payment conditions
May 2020	No.10	\$ 1,039.48 USD	Every payment will be upon submission of signed invoice alongside with bi-monthly progress reports and corresponding deliverables approved by the national ICAT focal point.
June 2020	No.11	\$1,559.22 USD	Every payment will be upon submission of signed invoice alongside with bi-monthly progress reports and corresponding deliverables approved by the national ICAT focal point.
August 2020	No.12	\$1,723.04 USD	Every payment will be upon submission of signed invoice alongside with bi-monthly progress reports and corresponding deliverables approved by the national ICAT focal point.
September 2020	No.17	\$1,148.69 USD	Every payment will be upon submission of signed invoice alongside with bi-monthly progress reports and corresponding deliverables approved by the national ICAT focal point.
October 2020	No.13 No.18	\$2,242.78 USD	Every payment will be upon submission of signed invoice alongside with bi-monthly progress reports and corresponding deliverables approved by the national ICAT focal point.
December 2021	No.14 No.18	\$2,297.39 USD	Every payment will be upon submission of signed invoice alongside with bi-monthly progress reports and corresponding deliverables approved by the national ICAT focal point.
January 2021	No.19	\$1,723.04 USD	Every payment will be upon submission of signed invoice alongside with bi-monthly progress reports and corresponding deliverables approved by the national ICAT focal point.
March 2021	No.15	\$1,723.04 USD	Every payment will be upon submission of signed invoice alongside with bi-monthly progress reports and corresponding deliverables approved by the national ICAT focal point.

6. Qualification requirements

ACADEMIC:

- 5 year university degree in Engineering, Environmental sciences, Biology, or other university degree relevant to climate change, environment and national development with special focus on Agriculture, Forest and Other Land Uses (AFOLU) topics.

PROFESSIONAL:

- A minimum of 3 years of professional experience of technical work in the areas of climate change mitigation and GHG Inventory focused on the AFOLU sector especially with projects under public administration (required);
- Verifiable professional experience developing GHG Inventory using IPCC methodology (required);
- Demonstrates excellent understanding of Argentina's national policy related to climate change with particular focus on the AFOLU sector and its corresponding application to Argentina's context such as National Climate Change Action Plans (required);
- Demonstrates excellent understanding of the national and international reporting regulatory framework on climate change such as UNFCCC (required);
- Experience working with, and building partnerships with public sector both national and subnational (required).

LANGUAGE:

- The candidate must be native in Spanish and have excellent writing, reading and editing skills in English.

SPECIAL KNOWLEDGE AND SKILLS:

PROFESSIONALISM:

- Excellent understanding of global and national climate change issues in particular related to transparency and MRV focused in the AFOLU sector;
- Relationship skills with public and private sector officials;
- Knowledge and understanding of theories, concepts and approaches relevant to climate change mitigation and adaptation planning, and intergovernmental climate change negotiations;
- Ability to identify issues, analyze and participate in the resolution of issues/problems.
- Ability to apply judgment in the context of assignments given, plan own work and manage conflicting priorities. Shows pride in work and in achievements;
- Demonstrates professional competence and mastery of subject matter; Is conscientious and efficient in meeting commitments, observing deadlines and achieving results; Is motivated by professional rather than personal concerns;
- Shows persistence when faced with difficult problems or challenges; Remains calm in stressful situations; Shows leadership capacities;
- Knowledge of IT tools such as Microsoft Office and Georeference related apps.

TEAMWORK:

- Experience in teamwork, with recognition in the field of their specialty to cooperate with consultants of other specialties;
- Works collaboratively with colleagues to achieve organizational goals; solicits input by genuinely valuing others' ideas and expertise; is willing to learn from others; supports and acts in accordance with final group decision, even when such decisions may not entirely reflect own position; shares credit for team accomplishments and accepts joint responsibility for team shortcomings.

PLANNING AND ORGANIZING:

- Develops clear goals that are consistent with agreed strategies; identifies priority activities and assignments; adjusts priorities as required; allocates appropriate amount of time and resources for completing work; foresees risks and allows for contingencies



when planning; monitors and adjusts plans and actions as necessary; uses time efficiently.

OTHERS:

- Experts must be based in Buenos Aires and have full time availability (required);
- Experts with Argentine nationality will have priority - parity of experience and knowledge;
- Experts must have availability to travel within Argentina and abroad as needed.

7. Requirements

- CV

- A description (1 to 2 pages) of how the consultant experience and skills will help with the assigned tasks mentioned above. This letter might be in Spanish.

- To apply for this position, please email Fernando Farias ffar@dtu.dk, Stefania D'Annibali sdannibali@ambiente.gob.ar CC icatargentina@outlook.es.