

**ICAT Climate Action Transparency Initiative requires a Technical Specialist for the development of the project in Ecuador and the implementation of activities related to Energy sectors (for the fuel combustion subcategory within 'manufacturing and construction industries) and Industrial Sector (for the category of 'mineral products').**

UNEP DTU Partnership need a Short-term Specialist, in order to develop ICAT project, with a focus on the national MRV system in energy sectors (for the fuel combustion subcategory within 'manufacturing industries and construction) and industrial sector (for the category of 'mineral products').

## **BACKGROUND**

The Climate Action Transparency Initiative (ICAT) develops the provisions of the Paris Agreement, to strengthen national institutions to comply with the requirements of data and information transparency.

ICAT is a neutral multi-donor fund designed to strengthen the capacities of developing countries, so that National Greenhouse Gas Inventories can be reported with a higher level of available information, thereby contributing to the evaluation of impacts that the NCD will have on each of the sectors considered; which seeks greater quality, confidence and ambition to climate policies throughout the country and the world. The initiative's approach considers the needs of the countries and the national MRV requirements of the country.

Ecuador has made important advances related to monitoring, reporting and verification of GHG emissions; such as the strengthening of the GHG inventory generation process, the publication of biennial update reports (IBA) and the third national communication (TCN), and the design of a national greenhouse gas inventory system or SINGEI.

From this, ICAT is expected to strengthen the capacity of the institutions that collect and provide information on the activity data to SINGEI. This will lead to the reported information becoming more transparent and robust. A prioritization of sectors and categories has been carried out, so that activities can be better focused on developing capacities where they are most needed. These sectors include agriculture, industrial processes (for the category of 'mineral products'), waste management and energy (for the fuel combustion subcategory within' manufacturing and construction industries).

Based on this background, the consultant's work will focus on support for the development and delivery of products related to the Energy and Industrial Processes sectors.

## **NATURE OF CONTRACT**

The consultant will work closely with the Ministry of Environment of Ecuador, the national coordinator of the ICAT project and the national technical experts of INGEI; in order to support the completion of the following activities and tasks according to the expected results and products:

**Result 1:** Methodologies and procedures for data collection and management for the industrial process sectors (for the category of 'mineral products' and energy (for the fuel combustion subcategory within' manufacturing and construction industries).

**Output 1.1:** Diagnostic study of the current situation, in relation to institutional arrangements for data collection and management, current procedures, methodologies and identification of opportunities and challenges.

- Mapping of current methodologies and procedures for data collection and management at all relevant institutional levels
- Mapping of current institutional arrangements (intrasectoral and intersectoral structures, if applicable) for data collection and management.
- Preparation of the final diagnostic report, including the analysis of the barriers to the implementation of an adequate data management system and a proposal for improvement.

**Product 1.2:** Development of procedures and methodologies for the collection and management of data for integration into the national system.

- Evaluation of existing relevant methodologies and procedures for data collection, analysis of successful experiences and case studies for benchmarking, in collaboration with relevant stakeholders
- Proposal of methodologies, procedures and institutional arrangements for the collection and management of appropriate data for the selected sectors in Ecuador, the proposals must be linked to the barriers identified and proposals for improvement made in the product 1.1
- Consultation of interested parties: presentation and discussion of results, incorporation of contributions from interested parties, adjustment and validation of proposed methodologies and procedures.

**Result 2:** Capacity building and sustainable knowledge transfer for stakeholders involved in the generation of activity data in the use of methodologies for data collection and management in industrial process sectors (for the category of 'mineral products ') and energy (for the fuel combustion subcategory within' manufacturing and construction industries).

**Product 2.1:** Development of training materials to develop technical and managerial capacities for the operationalization of these procedures.

**Output 2.2:** Participation in the organization of national capacity-building workshops for relevant actors in the national, municipal and private sectors.

**Product 2.3** Preparation of a technical guide with procedures for data collection and management in the categories mentioned above.

**Result 3:** Development and proposal of a technical standard for methodologies and procedures for data collection and management.

**Product 3.1** Workshops for the presentation of the technical guideline (product 2.3) and comments from relevant stakeholders

**Product 3.2** identification of technical standards for data collection and management and their integration into the current MRV systems of the industrial and energy sectors.

**Product 3.3** Final validation workshop

**DELIVERABLE:**

**Deliverable 1:** Diagnosis of the current status and opportunities of the arrangements, procedures and methodologies for the collection and management of the data of the fuel burning subcategory for the manufacturing industry and the construction of the Energy and Industrial Processes sector (category of mineral products).

**Deliverable 2:** Proposal of appropriate institutional methodologies, procedures and arrangements for the collection and management of data for the fuel burning subcategory for the manufacturing industry and the construction of the Energy and Industrial Processes sector (mineral products category).

**Deliverable 3:** Technical guide of procedures and methodology for the collection and management of data for the fuel burning subcategory for the manufacturing industry and the construction of the Energy sector, Industrial Processes sector (mineral products category), agriculture sector and waste sector.

**Deliverable 4:** Participation in the Validation Workshop and final report that includes the proposal of technical regulations.

**Deliverable 5:** Procedures and methodology of validated technical regulations for data collection and management.

**COORDINATION AND SUPERVISION**

The specialist will be under the supervision of the National Coordinator of the ICAT Project in Ecuador; Ministry of Environment will provide a workplace with the purpose of having coordination with the Inventory Team and other projects that have some information related to the objective of this project. All results / products will be reviewed and approved by the Mitigation Directorate and the ICAT national coordinator

UNEP DTU, will review all final and intermediate deliverables before being finalized. This includes: i) all reports must be written by the Ecuadorian consulting team ii) UNEP DTU will reserve sufficient time to review in detail and provide comments; iii) comments and suggestions will be addressed by the local consultant (and reviewed by the Ecuadorian focal points; and iv) UNEP DTU will approve the final version of each one. The role of UNEP DTU will be to review the final results, offer comments and ensure consistency with the ICAT program.

All information that comes from the execution of the contract will be considered confidential.

**PRODUCTS DEADLINE AND CONSULTING DURATION**

The consultant must develop and deliver the products according to the following schedule:

<b>Deliverable 1 (Workshop)</b>	11/2019
<b>Final Deliverable 2</b>	02/2020
<b>Final Deliverable 3</b>	03/2020
<b>Final Deliverable 4</b>	05/2020
<b>Final Deliverable 5</b>	07/2020

\*Deliverable 1.1 has already been developed by ICAT coordinator

The payment will be related to the delivery of each product fulfill with the established schedule, as well as its approval by the Ministry of Environment, the national ICAt coordinator and finally by UNEP DTU Partnership. Final deliverables must be written in English.

The completion of delivery of all products (5) must not exceed July 2020.

**REQUIREMENTS FOR CANDIDATES:**

**Education:** Third level degree in the technical field (mechanical, industrial, environmental engineering, or related to energy and / or industrial processes).

Multidisciplinary training preferable with knowledge of the energy sector, industrial processes, MRV, environment and / or climate change.

**Work experience**

The Specialist must have a minimum of four years of relevant work experience in the energy and / or productive area with mastery in raising and handling information on energy consumption and /

or raw materials. Extensive experience in research methodologies and quantitative data analysis is required.

Proven general knowledge about the IPCC 2006 methodology for preparing national inventories of greenhouse gases.

### **Language**

Fluency in written and oral Spanish is required. Very good level of written English.

### **Required documents:**

1. CV

2. A description (1 to 2 pages) of:

a) The approach that the consultant would take to cover the tasks mentioned above and how the experience he has in the specific area of energy and / or industrial processes will contribute to the development of the project.

### **To apply for this position, send an email to:**

Andrés Sarzosa, National Coordinator ICAT Ecuador ([hugo.sarzosa@ambiente.gob.ec](mailto:hugo.sarzosa@ambiente.gob.ec))

Sandra Aparcana, UNEP DTU ([sanapa@dtu.dk](mailto:sanapa@dtu.dk))

### **General enabling conditions**

People who have had access or participated in the formulation of these ToRs, prior to the launch of the requirement, will not be potential eligible.

### **Applicant Evaluation**

The evaluation criteria and qualification parameters are shown below:

<b>Item</b>	<b>Percentage</b>
Profesional Education	30 %
Multidisciplinary Training	10 %
Relevant experience	30 %
Work approach	10 %
Evaluation and interview	20 %