

## **Request for Proposals**

# **South Africa: South LULUCF Sector Inventory Compilation (1990 – 2024)**

September 2024

### **ABOUT THE NDC PARTNERSHIP**

The NDC Partnership is a global coalition of countries and institutions working to mobilize support and achieve ambitious climate goals while enhancing sustainable development. Through the Partnership, country members leverage their resources and expertise to provide countries with the tools they need to implement their NDCs and combat climate change to build a better future. Hosted by WRI, the UNFCCC Secretariat, and the UN Office for Project Services, the NDC Partnership has members in all regions of the world, with staff in Washington DC and Bonn, Germany.

### **BACKGROUND**

South Africa, as a Party to the United Nations Framework Convention on Climate Change (UNFCCC), is committed to stabilizing greenhouse gas (GHG) concentrations to prevent dangerous human-induced interference with the climate system. This commitment requires accurate knowledge of emission trends and the ability to alter them, primarily through preparing and reporting national GHG emissions and removals to the Conference of the Parties (COP). Accurate knowledge of emissions trends not only fulfills the commitments under the UNFCCC, but also strengthens South Africa's national climate change response framework, following the passing of the climate change bill into law.

One of the mechanisms used in order to understand these emission trends is to prepare and update a National GHG Inventory Report, which include emissions trends for Energy; Industrial Processes and Product Use (IPPU); Agriculture; Land Use, Land-Use Change and Forestry (LULUCF). The country has produced several GHG inventories, starting from 2000, as per figure 1 below, with the most recent covering the period from 2000 to 2020. South Africa is in the process of preparing its ninth inventory, covering 2000 to 2022, will contribute to the first biennial transparency report (BTR1) to the UNFCCC.

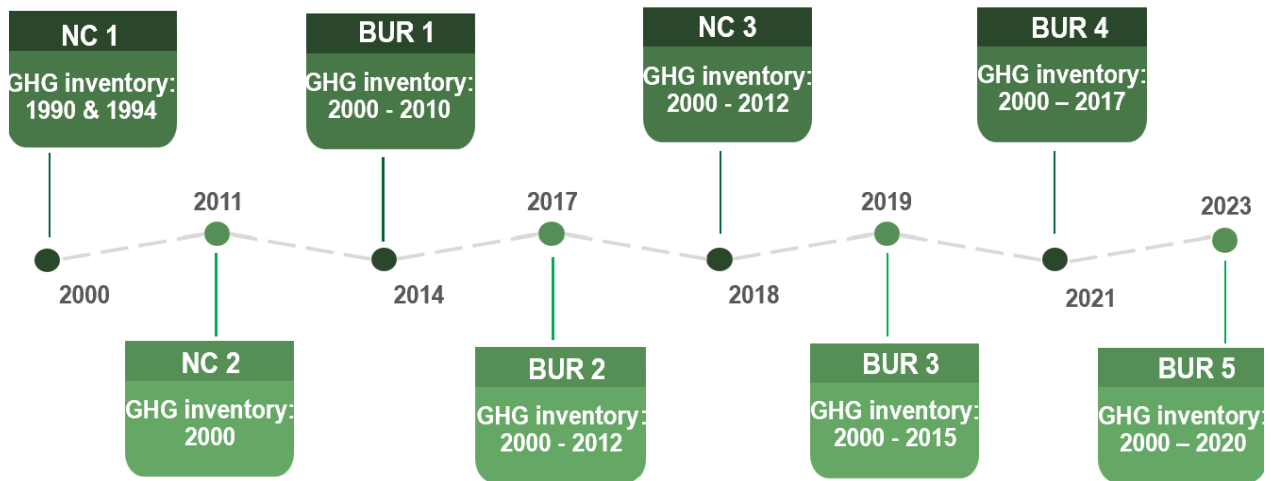


Figure 1: South Africa's Reporting Milestones

The LULUCF sector is a critical component of the GHG inventory, forestry and other land use activities act as a carbon sink, CO<sub>2</sub>e (26686.62 Gg in 2020) (8<sup>th</sup>, NIR (2000-2020)), increasing the carbon sink, is a critical measure to ensure that the country meets its NDC. There are many challenges in the LULUCF sector, there is large uncertainty, which is related to the land conversion areas. The Department of Forestry, Fisheries and the Environment (DFFE) completed the National Land Cover Project and developed a fully automated, operational process for the production of future national land-cover data for South Africa.

The Computer Automated Land Cover (CALC) system was developed to create automated land cover datasets, perform accuracy assessments, and detect changes between comparable land cover datasets, along with generating supporting reports and metadata. The CALC system has produced the 2018, 2020, and recently published 2022 South African National Land Cover (SANLC) datasets and their associated change assessments. These latest land cover datasets provide an opportunity to enhance estimates of land conversion areas used in the GHG inventory.

## SCOPE OF WORK AND ACTIVITIES

The aim of this project is to update the LULUCF GHG Inventory with data from 1990-2024, using the latest land cover datasets. The updated LULUCF inventory will be used to make future projections for establishing reasonable GHG reduction commitments for South Africa as well as influencing climate change policies, fulfil the international reporting requirements such as the national communications, BTRs to the UNFCCC and assists in the monitoring and evaluating the performance of South Africa in the reduction of GHG emissions to inform policy making on the country progress in transitioning to lower carbon economy. Accurate emission data is critical for making informed decisions about climate change mitigation options for the future.

## **The activities to be done by the service provider are as follows:**

1. Assess land use change maps, for 1990-2014, 2014-2018 , 2018-2020 and 2020- 2022, document corrections and provide updated/improved land use change matrices to be used for the LULUCF Estimates.
2. Gather LULUCF related activity data to incorporate into the GHG inventory calculations
  - a. to be used in the LULUCF Estimates, including, but not limited to the following:
3. updated burnt area data for estimating biomass burning emissions for 1990-2023
4. Harvested Wood Products data for 1990 -2023
5. carbon data required by the IPCC 2006 Guidelines for all the land cover combination types, including soil carbon data and land management data for croplands;
6. Uncertainties on activity data and emission factors should be included where possible.
7. Update LULUCF estimates from 1990 – 2023, including extrapolation to 2024
8. Draft LULUCF GHG Inventory Chapter (1990-2024), in line with the latest reporting requirements
9. Update methods statements and archiving of all documents in the National Greenhouse Gas Inventory Management System.

## **Deliverables:**

1. Data Collection for the AFOLU sector [Duration - 1 month: Delivery – 1 month after projection initiation]
  - Data collection and assessment for the LULUCF sector, including the role of DFFE officials in the process
  - Corrected Land Use Change Matrix
  - Updated database with all relevant activity and emission factor data, from 1990-2023
2. AFOLU sector GHG emission estimates [Duration – 0.5 months: Delivery – 1.5 month after projection initiation]
  - Updated GHG inventory estimates for the LULUCF sector of SA for 2024 covering the period 2000-2024; based on the updated land cover datasets.
3. National GHG inventory Report [Duration - 1 month: Delivery – 2 months after projection initiation]
  - National GHG Inventory Chapter for SA for LULUCF, covering the period 1990- 2024
  - Updated metadata (Method Statements) for the LULUCF sector.

## **PROJECT MANAGEMENT**

### **Reporting Line**

The Consultant will report to the Department of Forestry, Fisheries and the Environment, in the Chief Directorate – Climate Change Mitigation and Specialist Monitoring Services in coordination with the NDC Partnership Support Unit.

## QUALIFICATIONS

### Education / Academic Requirements

Relevant post-graduate degree in Geography, Environmental Management, Environmental Sciences or equivalent thereof

### Professional Experience

Very good GHG inventory compilation skills and proven track record thereof;

Database and GHG inventory software skills, especially 2006 IPCC guidelines and related tools;

General professional experience:

- Proven track record/experience in similar projects
- At least 8 years relevant experience in the Climate Change and LULUCF field;
- Very good project management skills and track record thereof;
- Very good communication skills, incl. the communication with relevant (government) stakeholders;
- Proven report compilation and writing skills;
- Country experience and knowledge of national policies, plans, legislation and strategies to address climate change (particularly AFOLU) in South Africa;
- Proven track record in setting up databases and information gathering tools.

Specific professional experience

- Specific and extensive experience in compiling and writing up of GHG inventories and database management;
- Must have experience in managing and coordinating a multi-disciplinary team of experts; and
- Very extensive experience in collecting LULUCF (emission) data. At least 8 years of relevant experience in international environmental policy, climate diplomacy, or a related field.

## CONTRACT TERMS

- Estimated start date: 15 October 2024
- Estimated end date: 15 December 2024

## PROPOSAL REQUIREMENTS

Prospective vendors should submit:

- Description of proposed project management structure (lead team/project manager, sub-contracted organizations, local experts, etc.)
- CVs of team members
- Examples of and references for similar previous work (with URLs and contact details)
- Proposed implementation approach/project monitoring plan
- A proposed budget with a breakdown of costs sufficient to assess reasonableness and compliance with our funder requirements.
- A proposed schedule for deliverables
- Advanced degree in any discipline, preferably in climate science, programming, public policy (climate/environment), sustainable development, or a similar subject

- At least 10 years of experience in issues related to climate finance, climate/environment, sustainable development, project management, or monitoring in any of the NDC sectors.
- Demonstrable experience working in the field of climate change, database management, vulnerability assessments and risk profiling and climate change instruments (both mitigation and adaptation) in South Africa and/or sub-Saharan Africa.
- Demonstrated skills in managing and aligning diverse stakeholder groups, including development agencies, non-state actors / civil society, financial institutions, the private sector, and others.
- Excellent writing, editing, digital and oral communication skills.
- Fluency in English.
- Priority will be given to South Africa based entities.

## EVALUATION AND SELECTION

### Evaluation Criteria

The following elements will be the primary considerations in evaluating all proposals submitted in response to this RFP:

- Completion of all required elements;
- The extent to which the vendor's proposal fulfills WRI's stated requirements as set out in the RFP;
- Experience with similar projects;
- Overall cost of the vendor's proposal;
- Debarment and sanctions – WRI will not consider proposals from vendors that are presently debarred by the U.S. government or named on any restricted parties lists;
- Sustainability – WRI values sustainability and all other factors being equal, will favor a proposal to more sustainably perform the work.
- The bidder offering the best overall value will be selected.

The applicant offering the best overall value will be selected. For this procurement, the non-price aspect is considered of relatively more importance than the price aspect.

### Selection Process

No proposal development costs shall be charged to WRI / all expenses are to be borne by the bidders. WRI may award to the bidder offering best value without discussion. However, WRI reserves the right to seek bidder clarifications and to negotiate with those bidders deemed to be within a competitive range.

## PROPOSAL SUBMISSION

Please send your proposal documents to:

- Mr. Harrison Addo-Obiri, Country Engagement Specialist, NDC Partnership Support Unit  
[Harrison.Addo.5@ndcpartnership.org](mailto:Harrison.Addo.5@ndcpartnership.org)
- Ms. Christine Luttmer, Project Manager, NDC Partnership Support Unit  
[Christine.Luttmer@ndcpartnership.org](mailto:Christine.Luttmer@ndcpartnership.org)

All proposals must be received **by 5:00pm EST on Friday, 11 October 2024** in electronic format to the contacts listed above.

WRI may, at its discretion and without explanation to the prospective vendors choose to discontinue this RFP without obligation to such prospective vendors or make multiple awards under this RFP.