

NDC Partnership Embedded Advisor – GHG Emissions Modelling for South Africa

Terms of Reference

BACKGROUND

Context

On 23 July 2024, President Cyril Ramaphosa signed the Climate Change Act, 2024 (Act No. 22 of 2024) (CCA) into law (Annexure A). The CCA was published in the Government Gazette for general information, pending its proclamation and determination of the commencement date. The purpose of the CCA is to enable the development of an effective climate change response and a long-term, just transition to a low-carbon and climate-resilient economy and society for South Africa, in the context of sustainable development, and to provide for matters connected therewith. The Department of Forestry, Fisheries, and the Environment is seeking embedded advisors to support the implementation of the Climate Change Act.

The Climate Change Specialist: GHG Emissions Modelling will provide consulting services to the South African Department of Forestry, Fisheries and the Environment (DFFE). The consultant will be stationed physically in the DFFE offices in Pretoria, South Africa, and is expected to travel throughout South Africa as needed to work with National, Provincial, and local government, as well as relevant stakeholders. When not on travel, the consultant will be present and available within the DFFE offices during regular business hours and will comply with established DFFE policy and procedures. The consultant will work under the technical direction of the DFFE Director of GHG Inventory and Systems and will be required to report on progress toward the Key Performance Areas detailed within this Scope of Work (SOW).

Embedded Advisory Model

DFFE has adopted the embedded advisor model to ensure efficient and effective development of key policy instruments in support of the Climate Change Act implementation. The successful candidates will work closely with DFFE staff leading the implementation of South Africa's Climate Change Mitigation system and therefore be exposed to the entire climate change mitigation value chain from GHG inventory development to implementation and tracking of Sectoral Emissions Targets. The ultimate objective is to create a pool of policy experts that will advance the climate change mitigation work programme in the short to medium term.

The Specialist: GHG Emissions Modelling will report to the Director: GHG Inventory and Systems.

ROLES AND RESPONSIBILITIES

The NDC Partnership has partnered with the South African Government, through DFFE, to pursue long-term, transformative development and accelerate sustainable, climate-resilient economic growth while slowing the growth of greenhouse gas emissions. USAID assists countries in meeting their Paris Agreement and other related policy obligations while improving associated capacities and processes.

Support is country-driven, creating and implementing assistance tailored to each country's unique capacity, technical, analytical, and policy needs.

Deliverables

To support the work of DFFE as it implements its climate change mitigation system.

Key Performance Indicators

REF	Deliverables	Weight
1	Conduct research and prepare greenhouse gas data and related information to facilitate the development, review and refinement of SA national emissions trajectory and development of emissions pathways and scenarios.	25%
2	Analyze and report progress in the implementation and effects of key mitigation actions to South African and international audiences.	25%
3	Develop and manage analytical tools, such as models, to be used for the analysis and tracking of GHG mitigation, pathways, socio-economic impact, etc.	25%
4	Facilitate and coordinate carbon sinks research and climate change mitigation responses related to land and ocean.	25%

Performance Standards and Indicators

REF	KEY PERFORMANCE AREAS (KPA)	PERFORMANCE STANDARDS	INDICATORS
1	Conduct research and prepare greenhouse gas data and related information to facilitate the development, review and refinement of SA national emissions trajectory and development of	<ul style="list-style-type: none"> i. Stakeholder consultation with industry (to update uptake rates, technology applicability, cost data, etc.); ii. Sector growth rates updated; iii. MPA model population and adjustments undertaken; iv. Draft model results presented to stakeholders for consultation; v. Final MPA report used to inform the allocation of carbon budgets for the 2nd CB Commitment Period (2023-2027). 	Number of National GHG emissions trajectory, pathways and scenarios conducted Monitoring and Evaluation Systems (SACCMES) is designed, developed, implemented, tested, and rolled-out.

	emissions pathways and scenarios. (Weight: 25%)		
2	Analyze and report progress in the implementation and effects of key mitigation actions to South African and international audiences. (Weight: 25%)	<ul style="list-style-type: none"> i. National Climate Change Response Database (NCCRD) template improvement and training for data providers undertaken; ii. Data from various stakeholders, government and private sector requested; iii. Status of the uploaded projects in the NCCRD monitored. 	<ul style="list-style-type: none"> • Number of progress reports developed and updated. • Mitigation action quantification report finalized.
3	Develop and manage analytical tools, such as models, to be used for the analysis and tracking of GHG mitigation, pathways, socio-economic impact, etc. (Weight: 25%)	<ul style="list-style-type: none"> i. Data collection and analysis ii. Ex-post GHG model population and adjustments; and iii. Generating output files and graphs, locating input data and assumptions and updating these where appropriate. 	<ul style="list-style-type: none"> • Ex-post analysis model developed and updated in Analytica. • Model population and adjustments.
4	Facilitate and coordinate carbon sinks research and climate change mitigation responses related to land and ocean. (Weight: 25%)	<ul style="list-style-type: none"> i. Development of GHG emissions and removals baseline for blue carbon ecosystems (mangroves, salt marshes, and seagrasses); ii. Identification of principal climate change mitigation actions from blue carbon ecosystems and mitigation potential analysis iii. Submission of two blue-carbon related mitigation action proposals to the NDC support programme for technical support iv. Submission of two blue-carbon related mitigation action proposals to the NDC support programme for technical support. 	<ul style="list-style-type: none"> • Number of research and discussion documents prepared. • Scoping study for Blue Carbon Sinks Assessment / Blue Carbon Sinks Assessment Atlas.

DELIVERABLES

The Specialist: Climate Change GHG Emissions Modelling will be required to provide a brief workplan within one week of signing this agreement and will provide progress reporting on a monthly basis (within the first week of each month for the work completed in the previous month) to the Director: GHG

Inventory and Systems, for submission to the NDC Partner, reporting on progress toward the Key Performance Areas and associated performance indicators detailed above.

Timeframe and Duty Station

This is a full-time position based in Pretoria, South Africa for 5 months, with a possibility of extension. The expected start date is 15 July 2025.

Requirements

- Advanced degree in public policy (climate/environment), economics, public finance, sustainable development, or a similar field;
- At least 5 years of experience in climate/environment and sustainable development in South Africa;
- Demonstrable experience working in climate change tasks in South Africa, including, but not limited to, GHG Emissions Modelling, mitigation and adaptation action, government policy and legal frameworks, MRV, M&E systems, and results-based management;
- Demonstrated skills in managing and aligning diverse groups of stakeholders, including development agencies, non-state actors / civil society, financial institutions, the private sector, and others;
- Excellent writing, editing, digital, and oral communication skills;
- South African national;
- Proficiency in English

How to Apply

To apply, please submit a complete application package that includes CV, cover letter and daily remuneration expectation to Harrison Addo at harrison.addo.5@ndcpartnership.org, copying Mirjam Kaholongo at Mirjam.Kaholongo@ndcpartnership.org and ndcpaf@ndcpartnership.org at the NDC Partnership Support Unit by 25 June 2025, with the subject '**South Africa NDC Partnership Embedded Advisor GHG Modelling Application**'.

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;
 - CV
 - Cover Letter
 - Daily remuneration expectation

- The extent to which the consultant's proposal fulfills WRI's stated requirements as set out in the RFP;
- Overall cost of the consultant's proposal;
- Debarment and sanctions – WRI will not consider proposals from consultants 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 applicant offering the best overall value will be selected. For this procurement, the non-price aspect is considered to be of higher importance than the price aspect.

Selection Process

No application/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.

WRI may, at its discretion and without explanation to the prospective consultants, choose to discontinue this RFP without obligation to such prospective consultants. or make multiple awards under this RFP. Contracts will not be awarded to consultants debarred by the US government or named on restricted parties lists.