

Terms of Reference (ToR)

Title of the Project/Consultation

- Senior consultant: Development of 5-Year Strategic Plan for CR4D

Introduction

The Climate Research for Development (CR4D) in Africa Platform was launched to strengthen links between climate science research and climate information needs in support development planning in Africa. CR4D is an African-led initiative supported by partnership between African Climate Policy Center (ACPC) of UN Economic Commission for Africa (UNECA), African Ministerial Conference on Meteorology (AMCOMET), World Meteorological Organization (WMO), and Global Framework for Climate Services (GFCS). CR4D is the outcome of the African Climate Conference 2013 (ACC-2013) that was held in Arusha, Tanzania, which brought together more than 300 participants drawn from top African climate scientists, policy makers, climate service providers, and practitioners to discuss the state of African Climate science and existing gaps in climate knowledge. Participants at the ACC-2013 recommended the establishment of an African Climate Research Agenda for Climate Services and Development in order to advance new frontiers of African climate research, focusing on four priority areas:

- Creation of co-designed multi-disciplinary research to improve forecast skills and reliability
- Filling gaps in multi-sectorial and multi-disciplinary data sets for sector-specific vulnerability and impacts assessments
- Enhancing Africa's scientific and institutional capacities and networks to undertake cutting edge user-drive climate research
- Fostering effective collaboration and interactions among climate science, services, policy, and practice communities in order to improve mainstreaming of climate services in decision-making.

The CR4D collaborative platform is, therefore, promoting interactive and collaborative approach that brings climate science, services and policy-making under a coordinated multi-disciplinary network of expertise and institutions to collectively address users-driven research challenges while maximizing on the opportunities presented by climate change and variability to socio-economic Development in Africa. It also promotes participatory climate research by facilitating and strengthening networking capacities of institutions and stakeholders to enable and enhance co-production of demand-driven climate information and services. This will lead to improved access, quality, usability, dissemination and mainstreaming of climate information/knowledge into socio-economic planning, and critical for Africa's meeting commitments under the COP21 agreement, Agenda 2063, as well as the SDGs.

The Second Meeting of the Scientific Advisory Committee (SAC) that took place at Addis Ababa, Ethiopia from 16-18 March 2016 recognized the validity of ACC-2013 recommendations to date and formed a Task Team to identify key strategic goals and priorities, considering issues around the 2°C Africa Assessment, Capacity Development, Publication, Regional Partnerships, Timeline, Resources mobilization, among others. The Task Team has reviewed the CR4D brochure, the SAC meeting outcomes and other relevant documents to identify CR4D strategic needs and emerging

opportunities including where CR4D can help, how it will address needs, how to co-ordinate with others, quality assurance, how to disseminate Knowledge and others. To achieve these, CR4D secretariat would like to recruit two senior consultants to develop a 5-year strategic plan for CR4D.

General Expertise

- Environmental Affairs

Category

- Environmental Planning and Management

Duties and Responsibilities

Applications are solicited for the post of two senior consultants for the development of a 5-year strategic plan for CR4D. The senior consultants, among others, are required to perform the following responsibilities:

- ***Identify gaps in data and research:*** The senior consultants will work with the SAC, the CR4D secretariat and AMCOMET on issues related to data for research and eventually engage NMHSs and RCCs to facilitate appropriate climate research within data and knowledge sharing policies. They shall also consider to engage and have partnerships with high education and research institutions and the private sector in the collection and sharing of relevant data. Initial target disciplines are agriculture, water, marine, health, energy. They build on regional and sub-regional data archiving facilities/centres and work out how data will be shared. The CR4D research/data agenda must address the different needs of stakeholders at all levels through for instance regional, sub-regional and national platforms for engagement accredited by the Institutional Collaboration Platform (ICP) to better understand vulnerability and risk. This consultancy work should assess the existing evidences and what is already happening and provide a strategy for CR4D what should do in this area. They will also propose roadmap that enhances collection, measurement, and analysis of data.
- ***Develop a strategy for the on-going and emerging climate and related researches in Africa:*** The senior consultants, in consultation with the SAC, the CR4D secretariat and its partner institutions, will diagnose and prioritize needs/requirements and opportunities for CR4D, propose how CR4D will address these on-going and emerging needs/requirements, how to co-ordinate these researches with others, and how CR4D ensures quality in the user-driven climate research in Africa. This requires reviewing of recent relevant decisions at AU and sub-regional levels e.g. decisions by RCCs, AMCOMET, ACPC, START, ClimDev, AMESD/ MESA, AMMA experience and documents, among others.
- ***Provide a strategy to enhance Weather and Climate Services for policy and development planning in Africa:*** This consultancy will provide a strategy on CI and CIS to support CR4D in science, advocacy, governance, public lectures, demonstration, Side scientific events at high level forum at AU and RECs level, invitation of High level African/global personalities at CR4D forums, development of relevant information flyers and brochures on the subject.

- ***Provide a strategy on the involvement of CR4D in the IPCC Sixth Assessment Report:*** The senior consultants, together with CR4D secretariat and partners, will provide direction and inputs on the involvement of CR4D in the upcoming IPCC Special Report. This includes the impacts and emission pathways associated with 2°C/1.5°C global warming on African economy/sectors, the implementations of INDCs under the Paris Agreement, and others.
- ***Provide a strategy on knowledge dissemination:*** CR4D shall coordinate the development and publication of the 5-year state of the annual African Climate working with relevant institutions like the Regional Climate Centres. The senior consultants will ***develop a strategy to establish an African Journal of Climate Research, and Policy by*** identifying sound research outreaches, defining strong business case and targeted audiences; defining resource mobilization strategy for sustaining publishing journal.
- ***Provide a clear strategy to establish regional partnerships:*** This consultancy will diagnose strategy for CR4D to forge regional partnerships that enhance Africa's scientific and institutional capacities and networks to undertake cutting edge user-drive climate research and to foster effective collaboration and interactions among climate science, services, policy, and practice communities in order to improve mainstreaming of climate services in decision-making.
- ***Provide strategy on Climate Science-Policy Dialogues.*** This consultancy will be drawing upon a huge amount of research on how the design such dialogues but importantly proposing what CR4D will do. It will develop innovative approaches to mobilise scientific knowledge for use in national policy processes; suggest mechanisms where relevant stakeholders can participate in and feel ownership of policy dialogue processes; propose roadmap that promote inclusive climate change dialogues; identify capacity/institutional weaknesses and strengths; strengthen participatory and deliberative processes to enhance the science-policy interface, Identify audience-appropriate information targets
- ***Provide a strategy on capacity development:*** This consultancy will provide CR4D a strategy on fellowship programme for research, training, curriculum development, innovation funds for young researchers and others. The programme will also mentor young Africa scientists for multi/inter disciplinary research project areas including gender and intergenerational inclusiveness, sector based climate risk reduction, etc. This shall consider what structure projects should take (big, small, duration, types of research etc), modes of procurement (challenge funds, consortium grants etc) and justify and outline the capacity development approach, the roles of regional partnerships etc. The programme shall involve the private sectors and some African piers and motivate African Scientists to participate in global programs, including IPCC, WCRP, GFCS, to harness experience from GCOS, CLIVAR -VACS, AAS, etc. and to involve AU States in the Post 2015 development agenda including CoP 21, DRR Sendai Framework, SSD, UNCCCD, WHS- World Humanitarian summit. The User-Driven Research Fellowship Program (Graduate students (Advanced MS, PhD) and PostDocs, Senior Scientists/Mentors) will identify strategic approaches that promote climate change education, research and innovation in Africa, suggest options that build the capacity of African young

through strong scientific and academic partnerships, and link the African climate change scholars with relevant research and policy institutions across the continent.

Expected Deliverables (Outputs)

The key output of this consultancy is a comprehensive CR4D 5-year strategy document that identifies, among other, the priority research areas, consider what structure projects should take (big, small, duration, types of research etc), modes of procurement (challenge funds, consortium grants etc), the capacity development approach and the roles of regional partnerships. The proposed document format shall have, but not limited to,

a. Background information

- This include defining Core Values –Mission, Vision, Strategic goals of CR4D, background information about CR4D, the governance structure of CR4D, etc

b. Situation Analysis

- An analysis of Strengths, Weaknesses, Opportunities and Threats on each category (i.e., *Data and research, on-going and emerging climate and related researches in Africa, enhancement of Weather and Climate Services for policy and development planning in Africa, the involvement of CR4D in the IPCC Sixth Assessment Report, knowledge dissemination; establishment of regional partnerships, Climate Science-Policy Dialogues, capacity development*) will be done and a minimum of three items for each category prioritized.

c. Strategic Issues/Goals (2016 – 2021)

- The CR4D goals will be revised to include new issues on Climate risks, vulnerabilities and development e.g. post 2016 development agenda, GFCS, AR5, COP21: ACPC

d. Implementation Plan

- CR4D strategic action plan is expected to be specific, measurable, attainable, relevant and time bound (SMART) with performance indicators that yield measurable working objectives. It will encompass the following sections:
 - i. Road map with deadlines (an indicative workplan, timeframes)
 - ii. Management arrangement etc
 - iii. Cost/Resource Mobilization
 - iv. Benefit to organization/institution
 - v. People/institutions responsible for activities (institutional frameworks)
 - vi. Outputs/Outcomes
 - vii. Monitoring and Evaluation
 - viii. Dialogue platform to ensure acceptability and also enrich strategic plan
 - ix. Detailed annexes on sustainable financing plan, staffing needs etc

Ultimate Result of Service

- Effective execution of this consultancy is in consultation with CR4D Secretariat/the Coordinator

Evaluation Criteria

a) Academic Qualifications

- A PhD degree in climate related disciplines (Climatology, Environmental Sciences, Natural Science or climate-sensitive sectors background) but with demonstrated working history on linkages with climate sciences, applications, and adaptation;
- A Master degree or equivalent, in lieu of a PhD but with extensive work experience in institutions concerned with climate and climate change research, climate data analysis, climate information and services;

b) Experience

- A strong background in research, with at least 10 years of work experience on climate related research, education and related initiatives at academic and/or research institutions (Universities), NGOs, Development and/or UN Agencies, etc;
- Familiar with CR4D history, vision and initiatives;
- Demonstrated ability in developing strategic plan on climate change and related topics;
- Strong organisational skills and demonstrated ability to complete assignments on time;
- Demonstrated ability in identifying key research issues and priority areas for analytical studies, taking into account emerging issues, challenges, opportunities and risks in climate science and climate-sensitive sectors;
- Demonstrated ability to work diligently and effectively, both individually and in a team;
- Competency in using ICT tools and platforms to organize, analyse and communicate climate related data and information;

c) Language

- English and French are the working languages of the United Nations Secretariat. For this position, fluency in oral and written English is required. Knowledge of French is an advantage.

Expected Duration

This position will be for an initial period of four (4) months.

Recruitment conditions and remuneration

The senior consultant will report directly to CR4D Coordinator. The holder of this position will receive a lumpsum payment of \$***/month. However, the actual payment will be performance-based on the delivery of an acceptable Strategic Plan.

Start Date: **** 2016