



VACANCY ANNOUNCEMENT

IGAD Climate Prediction and Applications Centre (ICPAC) support to GMES & Africa ICPAC Action

Terms of Reference

POSITION: ENVIRONMENTAL MONITORING ASSISTANT

1. Background

The IGAD Climate Prediction and Applications Centre (ICPAC) leads a consortium within the framework of GMES & Africa to consolidate Natural Habitats and Tropical Forest Surveillance, Monitoring and Assessment applications developed under MESA through the use of higher spatial resolution EO data and development of new products such as forage balance estimation. Two additional applications including Rangeland Seasonal Monitoring, Early Warning and Assessment will be undertaken. The aim is to fill in the information gaps to support decision making at various levels along the food security chain; policy level, distribution, extension services and even the final user (farmers) and in so doing effectively contribute to addressing the region's pertinent issue of food security. This will be achieved by providing and enhancing up-to-date and timely early warning and growing season information and assessment of the season thereby providing a regional and national overview of the food situation in the region. Forage balance estimation for rangelands will inform resource availability and guide on equitable distribution of pasture which has been a constant contributor to instability among the pastoralists community.

Rangeland assessment- Rangelands cover a big part of the EA region especially the Arid and Semi-Arid Lands (ASALs) and form a critical ecosystem that is home to pastoralists, agro pastoral communities and wildlife reserves and conservancies. ICPAC is developing a vegetation health assessment product that will incorporate a greenness indicator and surface water maps.

Expected output: Biomass/forage estimation maps, Biomass estimation balance maps rangelands mask map.

2. Objectives

The overall objective of the GMES & Africa programme in the East African region is to promote a more sustainable long-term management of natural resources in the East Africa region by providing decision and policy makers with information and tools needed for the implementation of sustainable environmental policies at regional and national levels.

This will be done by facilitating access to Africa-wide environmental information derived from Earth Observation technologies and developing, consolidating and extending long-term management of natural resources applications related to Natural Habitats Monitoring and Assessment, Tropical Forest Surveillance, Monitoring and Assessment, Agriculture Seasonal Monitoring, Early Warning and Assessment, Rangeland Seasonal Monitoring, Early Warning and Assessment for sustainable management of environmental resources and by strengthening the information management capacity of regional and national institutions in order to support decision and policy making processes.

Four specific results have been formulated from the above objective:

- Strengthening Infrastructure: Assuring and increasing data, knowledge and information access
- Consolidating and extending Long-term Management of Natural Resources service applications for policy and decision making processes in:
 - Natural Habitats Monitoring and Assessment,
 - Tropical Forest Surveillance, Monitoring and Assessment,
 - Agriculture Seasonal Monitoring, Early Warning and Assessment,
 - Rangeland Seasonal Monitoring, Early Warning and Assessment
- Raising awareness and outreach is strengthened to ensure active and sustainable participation of member states in environmental surveillance initiatives.

3. Duties and Responsibilities

The Duties and Responsibilities of Environment Monitoring Assistant:

- a) Environmental data entry;
- b) Assist in data analysis for biomass production of the different land cover units for wet and dry seasons to bench mark forage estimation;
- c) Assist in calibrating forage estimation model;
- d) Assist in the verification of rangeland drought early warning system methods' outputs;
- e) Assist in the generation of rangelands seasonal monitoring early warning and assessment products;
- f) Provide inputs to GMES & Africa bulletin;
- g) Perform other related duties as may be assigned by the Director of ICPAC.

3. Responsibility

The Environmental Monitoring Assistant will report to the GMES & Africa Project Senior Thematic Expert.

4. Minimum Qualifications

- a) A bachelor degree in environmental studies from a recognized University;
- b) A minimum of two years' environmental work experience;
- c) Skill in computer applications.

5. Language Skills

Proficiency in English Language is required, and French language skill is an added advantage.

6. Duration

The duration of the assignment is one year with a possibility of renewal subject to availability of funds.

7. Remuneration

A monthly lump sum allowance equivalent to US Dollars 1750 in UK Pounds, without any other benefits.

8. Work Station

IGAD Climate Prediction and Application Centre (ICPAC)
Kenya Meteorological Department Compound
Ngong Road, Dagoretti Corner
Nairobi, Kenya
P.O. Box 10304 GPO 100 Nairobi, Tel (+254) 20-3514426,
Email: director@icpac.net
Web site: www.icpac.net

10. How to apply

Send the following:

- 1. Application Letter,
- 2. Detailed Curriculum Vitae,
- 3. Scanned Copies of academic and work experience evidences

to director@icpac.net with copies to: ahusseini@icpac.net and jkubo@icpac.net not later than **Friday 30th April 2018**.