

**REQUEST FOR EXPRESSIONS OF INTEREST
(CONSULTING SERVICES – INDIVIDUAL CONSULTANTS SELECTION)**

**Intergovernmental Authority on Development (IGAD)
Regional Pastoral Livelihoods Resilience Project
Grant No.:H9190**

Assignment Title:

**Consultancy to Establish Regional Range/Fodder Monitoring and Forecasting
System for Early Warning Application**

Reference No.: **DJ-IGAD-157435-CS-INDV**

The Intergovernmental Authority on Development (IGAD) has received financing from the World Bank toward the cost of the Regional Pastoral Livelihoods Resilience Project, and intends to apply part of the proceeds for consulting services.

Objective(s) and Scope of the Assignment

The IGAD Centre for Pastoral Areas and Livestock Development (ICPALD) is seeking a highly qualified Geospatial Developer consultant (s) under the RPLRP, to design and customise a prototype rangeland monitoring and forecast system for the cross-border areas of IGAD. This monitoring tool will disseminate vital information to decision makers related to biomass productive potential of the rangeland in a season. It will be useful monitoring tool for trend over time and to plan responses at different stress scales as well as for early warning. Geographically the focus of this assignment will be two cross-border areas, namely Karamoja Cluster (Uganda-South-Sudan-Kenya-Ethiopia) and IGAD's Cluster 2 (Kenya-Ethiopia-Somalia). Specifically it covers Karamoja (Districts) region in Uganda; West Pokot, Turkana, Marsabit, Wajira and Madhera counties in Kenya; South Omo, Borana and Dawa Zones in Ethiopia; Gedo region in Somalia. For more details visit the ToRs attached.

IGAD now invites eligible individual consultants to indicate their interest in providing these services. Interested individual consultants must provide information indicating that they are qualified to perform the services (i.e. updated CVs, description of similar assignments, experience in similar conditions, and availability of appropriate skills etc.).

The attention of interested Consultants is drawn to paragraph 1.9 of the World Bank's [*Guidelines: Selection and Employment of Consultants \[under IBRD Loans and IDA Credits & Grants\] by World Bank Borrowers*](#) dated January 2011 ("Consultant Guidelines"), setting forth the World Bank's policy on conflict of interest.

The Consultant will be selected in accordance with the Individual Consultant selection method set out in the Consultant Guidelines.

Profile of the Consultant

(i) Education

Master's degree or equivalent in Computer Science, Information Technology, Geospatial engineering, Geographical Information Systems (GIS) or related field.

(ii) Work Experience and other competencies

- Strong analytical skills and environmental modeling preferably on rangelands and pastoral and agro-pastoral livelihood systems.
- Proven track record of spatial data analysis and design of a systematic and sound methodology
- Design, implementation and maintenance of spatial database using either commercial or open source technologies.
- Design, implementation and maintenance of web mapping application or Geoportal
- Experience working with Geoserver, Mapserver, ArcGIS server, Window based server
- Strong skills and experience in application programming in one or more of the following languages: Python, Javascript, Java, HTML, CSS
- Knowledge and implementation experience of open standards for geospatial web services (e.g. WMS, WFS, WCS)
- Experience working with time series raster datasets will be an added advantage.

(iii) Work experience

- At least 2 years working experience in application development, maintenance and operation
- At least 5 years working experience with GIS and/or RS

(iv) Other Experience/ Knowledge / Abilities

- Self-starter with the ability to strategically plan information and knowledge management work.
- Strong interpersonal skills and experience of working with regional and international organisations.
- Verbal and written communication skills in English. French will be added advantage.

Selection Criteria

- The selection criteria are education, relevant work experiences (as described above), good track record in delivering assignment, experience of working in IGAD region and familiarity with Pastoralism context and rangelands.

Further information can be obtained at the address below during office hours *0800 to 1600 hours*

Expressions of interest must be delivered in a written form to the address below (in person, or by mail, or by e-mail) by ***June 15th 2020***

Regional Pastoral Livelihoods Resilience Project

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