



## **IGAD Center for Pastoral Areas and Livestock Development (ICPALD),**

### **Consultancy to Develop Tools, Indicators, Data Collection Protocol and Manual for Rangeland Health Monitoring.**

#### **Terms of Reference (ToR)**

##### **Background**

Intergovernmental Authority on Development (IGAD) was established in 1986 by its member States to mitigate the effects of recurrent drought and environmental degradation, boost agricultural production, and facilitate sustainable management of natural resources. Its member States consist of Djibouti, Eritrea, Ethiopia, Kenya, Somalia, South Sudan, Sudan, and Uganda. The IGAD's mandate is to promote the resilience of the region through regional cooperation and integration, fostering peace and security, boosting agricultural sector development, facilitating sustainable management of natural resources, and environmental protection.

IGAD Centre for Pastoral Areas and Livestock Development (ICPALD) was established with a mission to complement the effort of the IGAD member States to sustainably generate wealth and employment through livestock and complementary rangeland resources in arid and semi-arid areas of the region. Its overall objective is to promote, facilitate and advocate for people-centered and gender-responsive sustainable development in Arid and Semi-Arid Lands (ASALs) and livestock in the IGAD region. ICPALD thrusts in the improvement of animal health, production and marketing; enhanced dryland production and pastoralism, including value-added rangeland products with the aim of bringing positive impacts on food and economic security, especially in rural pastoral populations. Regional cooperation and coordination of actions based on evidence of risks to shared resources remain the principal means of achieving these benefits.

Sixty to Seventy (60-70%) percent of the IGAD region's landmass is arid and semi-arid land (ASAL) where pastoral and agro-pastoral systems are the main sources of livelihoods feeding on natural rangeland. The rangelands in the IGAD region are the backbone of livestock industry and contribute significantly to the member countries' national GDP by providing various economic and livelihood opportunities. With over 60% of livestock population found in the rangelands, livestock sector contributes 10% – 50% of the region's individual countries' agricultural GDP. About 53% of the region's cattle (51 million), 71% of the goats (58 million) and 68% of the region's sheep (58 million) are found in the ASALs.

Rangelands in IGAD region are facing a myriad of challenges that threaten production, productivity, livestock forage availability and ecosystem integrity. As a result, undermines sustainability of the livelihoods of pastoral and agro-pastoral communities.



Diminishing productivity and access to rangeland resources undermine rangeland health and livelihoods. The challenges include inadequate legal, institutional and organizational frameworks; climate change impacts including drought, erosion from floods and land degradation; land fragmentation; and unregulated land use and access to rangeland resources.

Monitoring rangeland health can help one assess if the current management is affecting the land in the way that it should be, compare areas that are being managed differently, notice early signs ('early-warning indicators') of rangeland degradation before the land becomes more degraded, show community members, and other interested parties that rangeland health is improving or deteriorating. Monitoring allows one to evaluate the effectiveness of management and change of management plan if it is not leading towards the management objectives.

ICPALD secured funding from GIZ for implementation of SCIDA III towards sustainable management of rangelands. The ICPALD activity contributes towards Natural Resource Management output that aims to enhance the sustainable management and use of transboundary rangeland resources for community resilience. One of the expected results is cross-border long-term rangeland health monitoring tools and manual developed.

## **Purpose**

The purpose of the technical service is to develop tools, indicators, data collection protocol and a training manual for rangeland health monitoring in the IGAD region.

## **Scope of the work for the consultant**

The IGAD Centre for Pastoral Areas and Livestock Development (ICPALD) is seeking a highly qualified Landscape Ecologist as a consultant to develop tools, indicators, data collection protocols and a training manual for long-term monitoring of rangeland health. These products will be implemented by relevant stakeholders including government and local authorities in monitoring rangeland health. The Rangeland Ecologist will work closely with ICPALD GIS expert and Livestock/ rangeland specialists for technical guidance and execution.

## **Specific Tasks**

1. Review existing tools, indicators, and data collection protocols for monitoring rangeland health within IGAD member states, assess their effectiveness and gaps and develop customized tools and standard indicators that will monitor the health of rangelands.
2. Identify and characterise key variable indicators for long-term-monitoring of rangeland health and provide guidance on the development and measurement for the effective and timely reporting.



3. Carry out a field assessment to establish current practices to build on and identify gaps to be addressed;
4. Develop indicators for long-term monitoring and assessing rangeland health using both field and Earth Observation data in the eStation and other sources.
5. Comparison of existing rangeland health monitoring methodologies, and develop a data collection protocols, methodology and manual for monitoring rangeland health.
6. Based on the inputs from regional review meeting and the best international practice, develop tools, indicators and data collection protocols for long-term monitoring of rangeland health and a training/user manual based on the approved methodology with different case studies in the region.
7. The protocol should among others, outline types of information to be collected during rangeland health surveys; steps to be followed in field measurement; and procedures for social survey and participatory meetings.
8. Conduct a training of trainers (ToT) on rangeland health monitoring using the developed material/ manual to staff members from government, IGAD and GIZ (working in Karamoja Cluster). The training participant selection and necessary logistic including venue will be organized by ICPALD.

### **Expected Deliverables**

- a. An inception report detailing understanding of the assignment, methodology to be used and schedule of execution, literature review, and necessary budget for fieldwork. and draft table of content of a manual.
- b. Draft developed tools, indicators, data collection protocols for monitoring rangeland health.
- c. Final draft developed tools, indicators, data collection protocols for monitoring rangeland health after incorporation of input from regional technical meeting
- d. Draft training manual for monitoring rangeland health.

### **Qualifications, Competence, Skills, and Knowledge**

#### **Academic Qualifications of lead expert**

- Master's degree or above in natural resource management, rangeland ecology, landscape ecology, or a related field from a recognized university.

#### **Work Experience and Competencies**



- Ten years of professional experience in natural resources management or a related field, including experience in use of remote sensing technology and modeling.
- At least five years' experience in rangeland ecology and management in the context of pastoral and agro-pastoral livelihood systems.
- Experience in use of geospatial applications and software and Microsoft Office, including Word, Excel, PowerPoint, and Outlook.
- Past experience in similar manual preparation and training.

#### **Other Experience/ Knowledge / Abilities**

- Experience working in multiple countries in the region through regional and international organization (s) is desirable.
- Strong interpersonal skills and ability to deal with technical and people management challenges.
- Verbal and written communication skills in English. French will be an added advantage.

#### **Consultancy Duration and Fees**

The consultancy is fixed at a maximum of 35 person-day spread over three months.

#### **Consultancy Location and Office Accommodation**

The consultant will be closely working with assigned ICPALD technical staff by regularly holding physical and virtual meetings and visits.

#### **Equipment**

The consultant will use his/ her office accommodation and facilities.

#### **Reporting and Management of the Assignment**

The Consultant will work under the direct supervision of the ICPALD Head of Livestock and Fisheries with technical guidance of the Technical Team comprising Livestock/ rangeland specialists and the GIS Expert. The outputs indicated above and adherence to the time schedule will be approved by the ICPALD Director, and any payment will be subject to this approval. The reports referenced herein will conform to a format approved by ICPALD. All paper copies of the deliverables must be accompanied by electronic versions in the respective Microsoft Office application format (e.g., MS Word for documents and MS Excel for spreadsheets). All images shall be provided in an editable digital format (e.g., high-quality JPG or PNG).

#### **Selection criteria**

The selection criteria are, relevant education background; relevant work experience (as described above); good track record in delivering similar assignments; experience working in the IGAD region; and familiarity with Pastoralism and rangeland context.



## Consultancy Duration and Payment Schedule

Output/ activity completed.	Payment in percent of the contract amount	Estimated date of completion
The signing of the contract and approval of the inception report detailing understanding of the assignment, methodology to be used and schedule of execution	15%	15 days after approval of inception report as indicated in the contract.
Developed tools, indicators, data collection protocols for monitoring rangeland health.	45%	Draft Tools, indicators, data collection protocols for monitoring rangeland health developed, tested and shared with ICPALD technical team
Training/ user manual based on the approved methodology with different case studies in region.  Conducting ToT on Rangeland Health Monitoring	40%	Submission and approval of the training material/ manual  ToT conducted

### Insurance cover and Taxes

The consultant will be responsible for his/her own medical and life insurance coverage and remitting his/her taxes for the duration of the assignment.

**The report** will be submitted to

The Director, IGAD Centre for Pastoral Areas and Livestock Development (ICPALD), Kabete Vet Lab, Kapenguria Road, P. O. Box 47824-00100, Nairobi, Kenya.

### How to Apply

Qualified candidates submit their application to [beverlyne.nyanchera@igad.int](mailto:beverlyne.nyanchera@igad.int); and bearing the subject line. Applicants should submit their applications accompanied by detailed CVs, copies of both academic and professional certificates, statement of interest and proof of ability to undertake this assignment and a budget. Application must be submitted before 29th of March 2024.