



## Terms of reference for consultant to

### **Prepare tailored training manual and conduct training for resilience enhancing innovative technologies, investments and practices in African-grown staple grains and horticultural products for selected trainees from Karamoja and Mandera clusters**

Duty Station:	ICPALD with travel to IGAD member countries
Type of Contract:	Individual
Contract post level:	Short term
Start date:	non-continuous 25 days spread over 3 months

#### **1.0 Introduction**

The Intergovernmental Authority on Development (IGAD) member countries (Djibouti, Ethiopia, Kenya, Somalia, South Sudan, the Sudan and Uganda) landmass is 60-70% arid and semi-arid land (ASAL). The impacts of climate change have been more severe because of inadequate water management facilities and practices, inefficient water harvesting facilities, erratic and unpredictable rainfall patterns, and high ambient temperatures. Key consequences of climate change in the region include shortage in water, pasture/fodder for livestock, crop agriculture, Africa grown staple grain and horticultural products sometimes utilized as livestock feed; either residue or processed. This has contributed to high incidence of livestock losses through mortality and reduced production/ productivity. Pastoralists have therefore been subjected to increased mobility with their livestock in search of fodder, animal feed and water during the long periods of scarcity.

In the past, instances of smaller-scale transformations in the horticulture and floriculture sectors in Kenya and Ethiopia respectively show that localized transformation in Africa is possible, and point the way for larger-scale shifts in African agriculture. The lessons learned from these experiences indicate that successful transformations are business-led, and involve the creation of four simultaneous conditions:

- (i) a large-scale dissemination of productivity-increasing innovative technology and inputs, plus input intensity and capital intensity;
- (ii) the development of input and output markets structures and incentives that allow the full realization of the value of increased production;
- (iii) a well-functioning and vibrant private sector that can manage and allocate skill and capital to scale emergent success and drive long-term sustainable agribusiness growth; and
- (iv) An increase in Intra-country, and intra-regional (cross border) trade.

Moreover, various projects including the world-bank funded Regional Pastoral Livelihoods Resilience Project (RPLRP) have identified - through studies and experiences - strategic areas that could contribute to increased private sector involvement in trade, while simultaneously building resilience of cross-border communities.

In year one of IGAD Drought Disaster Resilience and Sustainability Initiative (IDDRSI) Implementation Letter (IL) titled; Building Resilient Market Systems in the Cross-border Drylands of the IGAD Region funded by USAID, various Innovative Resilience-Enhancing Technologies and Practices in African-Grown Staple Grains and Horticultural Products in Cross-Border Markets of IGAD Cluster 1 (Karamoja cluster) were identified. These included among others scaling up water harvesting and simple irrigation technologies, the Zai pit technology that protects plants and fertility from being washed away, flood based farming techniques, watershed farming, soil bunds farming, post-harvest management and commercialization. These results built on the findings and achievements of the IGAD FAO PP, the EU-funded Support for Effective Cooperation and Coordination of the Cross-border Initiatives in Southwest Ethiopia-Northwest Kenya, Marsabit-Borana and Dawa, and Kenya-Somalia-Ethiopia (SECCCI) Project and the Sweden-funded Strengthening the Coordination and Implementation of IDDRSI (SCII) project, on the identification and promotion of appropriate innovative technologies and practices for agricultural trade in the cross-border communities in Karamoja and Mandera clusters.

Building on the achievements of year one of “Building Resilient Market Systems in the Cross-border Drylands of the IGAD Region” the incumbent will develop a tailored training manual that promotes scale-up of identified innovations and technologies as well as conduct training of identified private sector and regulatory authorities in agriculture staple grain from Karamoja and Mandera clusters.

## **2.0 Scope of work**

1. Draft and submit scope of work report showing understanding of the assignment including work plan and clear milestones of how the assignment will be delivered and outline of the manual
2. Develop tailored training manual highlighting clear innovations, technologies, practices and investments along Africa grown staple grain. They should include:
  - 2.1.1 Cereal grain and horticultural production under rainfed and irrigation systems
  - 2.1.2 Modern innovations and technologies such as zai pits, flood plain, watershed soil bund farming among others
  - 2.1.3 Post-harvest cereal management and marketing
  - 2.1.4 Value added products along staple grain and horticulture
  - 2.1.5 Business models; cost benefit analysis, simple bookkeeping among others
  - 2.1.6 Enabling policies that promote cross border trade in staple grain and trade barriers
  - 2.1.7 Make recommendations or pathways of integrating or facilitating uptake of the manual into the member states agricultural systems

3. Conduct training of selected cereal grain and horticulture private sectors and regulatory authorities using the manual,
4. Submit the final training manual and training report

## **2.1 Expected output**

1. Inception report - A scope of work report reflecting clear understanding of assignment submitted to ICPALD;
2. Draft Training manual submitted to ICPALD
3. Final Training report and manual submitted to ICPALD

## **3.0 REQUIREMENTS**

### **3.1 Qualifications and skills**

- Master degree or equivalent in agriculture production and trade with relevant expertise in agricultural and resilience research, technology transfer and innovation systems
- Knowledge and experience of using participatory approaches for adult training,
- Strong analytical skills,
- Excellent communication skills and fluent in English.

### **3.2 General professional experience**

- Good understanding and experience on the staple grain and horticultural products' trade in Eastern Africa and cross border trade
- Proven experience in programming and private sector investment,
- Proven experience in engaging the private sector for investment

### **3.3 Specific professional experience**

- At least 10 years work experience in agriculture development particularly in food /horticultural production and staple grain trade
- Familiar with development of training manuals and conducting training of adults
- Knowledge of public-private partnership approaches in service delivery and investment,
- Understands domestic and international laws related to agriculture and staple grain production and trade,

## **4.0 Duration**

The Consultancy will be for a total of twenty five (25) man-days on when actually employed basis spread over three months.

## **5.0 Payment terms**

The applicable daily rate will be dependent on the qualifications and experience of the appointed consultant. The consultant will be responsible for all government taxes and levies arising from this assignment.

Output/ activity completed	Payment in percent of the contract amount	Estimated date of completion
Signing of contract and inception report	20%	Inception report within 10 days of signing the contract
Initial draft when accepted	40%	Within two months of signing the contract
A final report including validation workshop proceeding	40%	Within one month after receiving comment on draft report

### **6.0 Travel outside duty station**

Air tickets and Daily Subsistence Allowance (DSA) will be covered for field work upon approval of travel schedules.

### **7.0 Insurance cover**

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

### **8.0 Final Report will be Submitted to:**

Dr. Ameha Sebsibe, Head, Livestock and Fisheries IGAD Centre for Pastoral Area and Livestock Development (ICPALD), Kabete Veterinary Laboratories, Off Kapenguria Road, ameha.sebsibe@igad.int Telephone: +254 202573743 (office)

### **Applications:**

Interested candidates should submit their applications accompanied by a detailed CV, copies of both academic and professional certificates and testimonials, names and addresses of three reputable referees, contact details (e-mail, telephone) should be sent by email to [beverlyne.nyanchera@igad.int](mailto:beverlyne.nyanchera@igad.int) with cc to [ameha.sebsibe@igad.int](mailto:ameha.sebsibe@igad.int), [wamalwa.kinyanjui@igad.int](mailto:wamalwa.kinyanjui@igad.int), [procurement@igad.int](mailto:procurement@igad.int) All applications should be received not later than 9<sup>th</sup> of December 2021.

IGAD shall only respond to shortlisted candidates