Consultant – ILRI Uganda

On behalf of the International Livestock Research Institute (ILRI), the Alliance of Bioversity International and CIAT is seeking for a qualified candidate to serve as a consultant. Both ILRI and The Alliance of Bioversity International and CIAT are CGIAR Research Centers.

For further information on ILRI, consult the website at: http://www.ilri.org

Role

The Alliance on behalf of ILRI seeks to recruit a consultant to perform household surveys looking for climate-smart and health-friendly manure management systems in pig, cattle, sheep and goat production systems in Uganda. The position will be split between the Livestock CRP Priority Country project in Central Uganda, which focuses on intensive pig production systems, and the Program for Climate-Smart Livestock (PCSL) in South-Western Uganda, which focuses on semi-extensive ruminant systems.

The aim of the position is to conduct two household surveys in Central and SW Uganda to (i) identify and characterize existing manure management systems, (ii) calculate greenhouse gas (GHG) emission factors from these local management systems, and (iii) identify best-bet options for “climate-smart” manure management systems. “Climate-smart” manure management in this context is meant to describe systems that are a) environmentally friendly, i.e. by reducing nutrient leaching and GHG emissions from manure, b) ensuring nutrient preservation within the manure to maintain a high manure fertilizer value and improve on-farm productivity, and c) reducing health risks to animals and humans by decreasing the burden of manure-borne pathogens and diseases.
Scope of Services and Expected Outputs:
The consultant will directly contribute to the Work Package “Developing, testing and evaluating of best-bet options for pig manure management in Ugandan smallholder farming systems” in the Livestock CRP Priority Country project in Central Uganda, as well as to Work Package A1 “Setting up GHG emissions baselines and performance indicators for adaptation interventions” of the PCSL project. Both work packages aim particularly at generating accurate Tier 2 GHG emissions baselines for livestock systems, which are necessary to develop mitigation options for livestock production while also enhancing the productivity and sustainability of smallholder livestock systems. The consultant will contribute to this by undertaking the following research activities:

- Conduct a household survey about ruminant manure management systems;
- Adapt the same household survey to pigs and include animal- and human-health related aspects;
- Collate and analyze the collected data and organize them in a survey database;
- Calculate CH₄ and N₂O emission factors from local manure management practices in SW and Central Uganda based on the survey data;
- Identify “climate-smart” manure management options by identifying challenges and possible strategies for sustainable improvement of manure management;
- Write a report with recommendations on improved & climate-smart manure management for smallholder pig farms and semi-extensive ruminant farms.

Qualifications and Competencies

- A PhD in Agriculture, Agronomy, Land use and Land Management, Environmental Resource Management, Ecology, or similar.
- Knowledge of and experience working with livestock farming systems and especially manure management in Uganda.
- Good knowledge of processes leading to GHG emissions from soils and manure and understand their drivers and constraints.
- Reliable, diligent, flexible and able to work with minimal supervision.
- Experience working with the Open Data Kit (ODK) for household surveys.
- Proficiency in statistical software such as SPSS and R.
- In-depth knowledge of Microsoft Excel for data entry and knowledge of common practices of data quality control and data quality assurance.
- Excellent communication skills both written and spoken in English and have published first-author papers in peer-reviewed journals.
- Ability to speak a local language.
Application:
Applicants are invited to visit http://ciat.cgiar.org/ciat-jobs to get full details of the assignment and to submit their applications as per the details requested in the scope of proposal below not later than 31st December 2020. Applications should cite reference number BVI-UGA-03 Consultant as the position applied for. Applications should be saved as one document using the candidate’s last name, first name for ease of sorting.

Scope of Proposal:
The proposal for the assignment should contain:
- Cover letter explaining why you are the most suitable candidate for the advertised consultancy and a copy of your Curriculum Vitae.
- Contact details of at least 3 references which should be organizations for whom the consultant has worked/consulted for.
- Brief methodology on how you will approach and conduct the work and a Financial Proposal.

Selection criteria:
- Experience of the consultant: 40%
- Methodology and approach: 40%
- Appropriate references 20%

Please note that only shortlisted candidates will be contacted.

Note: The Alliance does not charge a fee at any stage of the recruitment process (application, interview meeting, processing or training). The Alliance also does not concern itself with information on applicants’ bank accounts.

The Alliance of Bioversity International and CIAT is an equal opportunity employer and strives for staff diversity.