



**Food and Agriculture Organization
of the United Nations**

CALL FOR EXPRESSIONS OF INTEREST

Title: Agriculture Information and Communications Technology (ICT) Specialist

Contract duration: 100 days (when-actually-employed)

Vacancy No. IRC3881

Deadline for Applications: 28 February 2017

Duty station: Manila, Philippines

Tasks and responsibilities:

Under the overall supervision of the FAO Representative, the technical supervision of the Knowledge and Information Management Officer and the Lead Technical Officer (LTO – FAO Headquarters), and in close collaboration with the Disaster Risk Reduction (DRR)/Climate Change (CC) Specialist (FAO, Philippines), the national consultant will undertake the following duties:

- In close consultation with Agronomist and Remote Sensing and Geographical Information System (RSGIS) Specialist and taking into account existing related data set sources and tools for enhancing crop production and reducing food and livelihood security risks to disasters, lead the development of the online platform for DSS on DRRM+ for Agriculture in the Philippines;
- Support conduct and facilitation of the inception workshop of the project;
- Conduct literature review on state of the art on DSS for DRRM for Agricultural Systems, identify and establish communication with potential sources of remote sensing and GIS data, and identify gaps and needs for a comprehensive and Enhanced Production and Risk Management in Agriculture Decision Support System (EPRiMA);
- With assistance from the Agronomist, lead in the conduct of consultative workshop on current decision work flow at provincial and municipal level for planning crop production and interventions for DRRM;
- Develop and secure licensing and data access agreements with satellite image and data set providers;
- With support from the Web Development Specialist, take lead in the design of data infrastructure and develop protocols and mechanisms for automatic satellite imagery, remote sensing data and Geographical Information System (GIS) data acquisition, and efficient data storage and rapid retrieval;
- Conduct initial archiving and uploading of data to the OpCen server and setup at least 1 other mirror servers;
- Provide technical assistance to the Agronomist and the Web Development Specialist in designing and developing the website and online portal for the dynamic cropping calendar and the online DSS, and ensure that the dynamic cropping calendar is well integrated into the online DSS;
- In close collaboration with the Web Development Specialist, support in the migration of the PDNA system to OpCen server and integration of the PDNA system into the DSS;
- Ensure that the EPRiMA take advantage and utilize all existing GIS and other data sets generated by DA and other government agencies, including but not limited to SARAI, PRISM, AMIA, FSIS, among others;
- Develop protocol and document process for the design and development of online portal for EPRiMA;
- Participate and provide technical inputs during the closed beta testing of the online platform on EPRiMA;
- Take lead in the conduct of the national workshop on the roll-out and use of the online platform on EPRiMA;
- Assist in the regional and provincial roll outs and training workshops for the DSS;

- Provide inputs in his/her area of competence for the preparation of a draft terminal report, in English, according to FAO guidelines; and
- Carry out any other relevant duties within his/her technical competence as may be requested by FAO.

Candidates should meet the following requirements:

Minimum Requirements

Education: Advanced degree in agriculture, agriculture engineering, management information systems, computer science, disaster risk reduction/planning and management, and/or rural development

Work Experience and Knowledge: At least ten years relevant work experience in developing ICT and/or packaging RSGIS data products and design of data infrastructure for use in online decision support systems, preferably in I DRRM in agriculture.

Language: Working knowledge (Level C) of English

National of the Country of Assignment (PHILIPPINES)

Additional Information

FAO seeks gender, geographical and linguistic diversity in its staff and international consultants in order to best serve FAO Members in all regions.

All candidates should adhere to FAO values of Commitment to FAO, Respect for All and Integrity and Transparency.

How to apply

All applications are to be made through FAO's [iRecruitment](#) system. Click on the link below to access [iRecruitment](#), complete your online profile and apply for this Call for Expression of Interest.

<http://www.fao.org/employment/iemployment-access/en/>

In order for your application to be properly evaluated, please ensure that all sections of your iRecruitment account are completed. Incomplete applications will not be evaluated.

If you need help, or have queries, please contact: iRecruitment@fao.org