TERMS OF REFERENCE

Position Title:	Intern – Open_Source GIS Specialist
Organizational Unit	Information Technology Division (ICT) – Solutions Team
Duty station:	Rome, Italy
Period of assignment:	06 January 2020 - 03 April 2020 (60 working days)

Organizational context

The Information Technology Division (ICT) is responsible for providing information technology solutions and services to support the operations of IFAD and to ensure that, in fighting rural poverty, IFAD makes the most effective use of Information and Communications Technology tools and services. An important element of IFAD's work and a specific requirement for our 3 year strategic plan is the provision of updated information systems that enable operational activities. In this context, a key component is the enrichment of information platforms on using consolidated corporate data, including the use of Geographic Information Systems (GIS) and related datasets to visualize the spatial context of IFAD interventions and understand and monitor landscape use for effective project design.

As a first step in this process, a number of existing, recently developed IFAD systems would greatly benefit from leveraging such existing or available mapping data which currently reside in different sources, with the aim of establishing a more streamlined, corporate method for leveraging spatial information to all relevant tools and reports. A specialist on Open_Source GIS software with hands-on is needed in order to assist in implementing a GIS ecosystem using Open Source technologies.

Duties and responsibilities

Under the supervision of the ICT Solutions Coordinator, ICT, and the project manager, the incumbent will support ICT in the following tasks :

➢ Assist in the further development a GIS platform in support of business direction including QGis, QGis Server and Geonode that allows backend management of Geo Data at Region, Country and Project level and frontend integration with any existing or new portal.
➢ Assist in the development of GIS applications based on demands coming from the business units
➢ Support the further development of mobile data capture solution integrated with GIS platform
➢ Assist in the integration of maps into corporate applications (e.g. ORMS) as required
➢ Any other duties related to GIS functionality as required

Qualification and experience

- Formal training in GIS/GeoData or related is required.
- Knowledge of Geonode, QGis and QGis server.
- Interest in the development landscape and agriculture, in line with IFAD's mandate
  Interest in both designing and executing GIS solutions from business requirements.
- Skills for map production and presentation;

Required competencies

- **Problem solver** – you can propose solutions in a clear and understandable manner to non-technical users. Ability to work with other to brain storm and develop practical and innovative solution

- **Team Worker** - you develop and maintain a positive relationship with end users; able to consult and deal effectively with all levels of the organization and establish working relations of openness and trust in a multicultural setting

- **Planner and Organiser** – you prioritize and organize the work (own and consultants) for effective resolutions of functional and technical problems

- **Performer** – you demonstrate success in the design, implementation and quality control of the GIS solution; and are able to develop clear and concise proposals for system implementation

Languages

- Excellent written and verbal communication skills in English essential.