



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

CALL FOR EXPRESSIONS OF INTEREST

Senior GIS Specialist

Contract duration: **11 months**

Vacancy No. **IRC3581**

Deadline for Applications: **3 October 2016**

Tasks and responsibilities:

The consultant will be responsible for day-to-day development and support of corporate Geospatial applications, platforms and data services. This includes ensuring the corporate GeoServer, GeoNetwork, and related OGC geospatial services are fit-for-purpose and fit-for-use. The consultant will also provide engineering know-how to support data science and remote-sensing activities using Google Earth Engine. The consultant will help streamline the geospatial data lifecycle, enabling self-service capabilities for importing, analyzing and publishing geospatial data.

The IT Division is in the midst of a digital transformation towards a new platform based approach. As part of this assignment, the consultant will develop new geospatial features and services that align with the Organization's IT Architecture and integrate with the corporate SOA platform.

The consultant will report to the Spatial Team Leader in the Corporate IT Division.

Expected Outputs:	Required Completion Date:
• Consolidation of Geoserver instances across the Organization	• December 2016
• Development, support, maintenance of corporate Geoserver, Geonetwork, and corporate GIS applications	• August 2017
• Upgrade corporate Geonetwork to latest version	• January 2017
• Development support, maintenance of Google Earth Engine algorithms and related solutions	• February 2017
• Design, development and testing of geospatial self-service features	• March 2017

Candidates should meet the following requirements:

Minimum Requirements

Academic Qualifications

University degree in Computer Sciences, Information Technology or a closely related subject.

Technical/Functional Skills and Experience Requirements

General Requirements:

- 10 years hands on experience developing GIS using Java and OGC compliant tools
- 5 years developing, testing and deploying SOAP and REST solutions
- 1+ year developing Google Earth Engine based applications

Required technical knowledge, skills and experience:

- GeoServer, GeoNetwork, GeoNode, GeoExt
- ArcGIS
- Google Earth Engine,
- JavaScript, Java, Servlets, Spring, Junit
- SQL, Oracle, MySQL, Microsoft SQL Server and PostgreSQL RDBMS technologies

Desirable technical skills and experience

- Python, R
- Machine learning
- Big data tools

Competencies

- Client-oriented approach;
- Ability to get things done;
- Ability to manage own time and work effectively individually and as part of team;
- Working knowledge of English;
- Ability to communicate technical matters to non-technical individual;
- Write policy, guidelines and clear technical documentation;

Selection criteria

- years of experience
- field of work and area of speciality
- education
- language
- assessments through interview

Additional Information

Payment conditions: the daily honorarium will be paid monthly on when-actually-employed basis and will be defined depending on relevant qualifications and work experience up to within a range from 300 USD to 450 USD.

Schedule of work: The incumbent will be required to work and be present on the premises during the standard office hours of the duty station (from 8.30 till 17.00 for HQ), unless otherwise agreed with the supervisor. The working time will be reported in the internal timesheet system.

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/irecruitment-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