



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

CALL FOR EXPRESSIONS OF INTEREST

GIS Specialist

Contract duration: 11 months

Vacancy No. IRC3606

Deadline for Applications: 31st October, 2016

Duty station: HQ, Rome, Italy

Tasks and responsibilities:

The consultant will be responsible for day-to-day coordination, development and support of algorithms and applications built on the Google Earth Engine platform. He or she will work alongside remote-sensing specialist, researchers and statisticians to develop solutions that apply remote sensing to high-resolution satellite imagery. The consultant should have good knowledge of the Earth Engine API as well as the JavaScript and Python programming languages.

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 solutions 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.

Key performance indicators	
Expected Outputs:	Required Completion Date:
<ul style="list-style-type: none">• Develop remote-sensing prototypes using Google Earth Engine• Development, support, maintenance of applications built on Google Earth Engine• Documentation and knowledge sharing on good practices using Google Earth Engine	<ul style="list-style-type: none">• December 2016• August 2017• August 2017

Candidates should meet the following requirements:

Academic Qualifications

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

General Requirements:

- 5 years hands on experience developing GIS using Java and OGC compliant tools

- 5 years developing, testing and deploying SOAP and REST solutions
- At least one year hands-on experience using remote-sensing GIS tools
- 1+ year developing Google Earth Engine based applications

Required technical knowledge, skills and experience:

- Google Earth Engine
- Python
- JavaScript, Java, Servlets, Spring, Junit
- SQL, Oracle, MySQL, Microsoft SQL Server and PostgreSQL RDBMS technologies
- Communicate technical matters to non-technical individuals.

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;

Technical/Functional Skills

- GeoServer
- ArcGIS/QGIS

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 210 USD to 300 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