



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

## **CALL FOR EXPRESSIONS OF INTEREST**

### **GIS Specialist**

Contract duration: 11 months

Vacancy No. IRC3761

Deadline for Applications: 5 January 2017

Duty station: 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.

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

### **Candidates should meet the following requirements**

#### **Minimum Requirements**

- 5 years hands on experience developing GIS using Java, Python, and OGC compliant tools
- 5 years developing, testing and deploying SOAP and REST solutions
- At least one year hands-on experience with remote-sensing
- At least one year hands-on experience building Google Earth Engine prototypes

#### **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.

**Selection criteria**

- Google Earth Engine
- Python
- JavaScript, Java
- SQL
- Communicate technical matters to non-technical individuals.
- GeoServer

**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/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](mailto:iRecruitment@fao.org)