



Web GIS Specialist

The United Nations World Food Programme (WFP) is the world's largest humanitarian agency, fighting hunger worldwide. We are seeking to fill a consultancy position of Web GIS Specialist, based at our Headquarters in Rome, Italy for an initial period of 6 months.

Background

The Emergency Preparedness and Support Response Division (OSE) is responsible for enhancing the World Food Programme's (WFP) preparedness and response capacity in emergencies, including early warning, preparedness planning, crisis support and information management.

The Geographical Information System (GIS) Team within OSE is gathering data and updating geo-referenced information to ensure that WFP is able to create detailed cartography as well as spatial analyses for areas of WFP's interest and to support humanitarian emergencies.

The GIS Team is managing and implementing a global GIS infrastructure based on Open Source web platform (WFP GeoNode) and a Spatial Data Infrastructure (SDI), which is composed of a number of spatial databases, and processes built using ESRI technology.

As part of this effort, the GIS unit is seeking assistance in developing, maintaining and improving tools and applications for geo-spatial data management. The GIS consultant will report to the Head of the GIS Team within the AEW&GIS Unit.

Under the general supervision and guidance of the Head of Geographic Information System, the Web GIS Specialist will be responsible for the following key duties:

- Lead the development and administration of the WFPGeoNode platform;
- Collect user requirements to ensure that the latest version of the WFPGeoNode includes features requested by GIS practitioners in the field and other divisions in WFP;
- Promote and expand use of the WFPGeoNode in WFP and other UN agencies (in particular UNDSS, OCHA and World Bank);
- Collaborate with WFP IT Department in the context of the WFP Common API project;
- Develop scripts using GDAL/OGR and ArcPy to process geospatial data from several sources and publish them automatically into the WFPGeoNode and SDI;
- Publish web services using both OS and ESRI technological frameworks;
- Design and conduct trainings related to the WFPGeoNode and open source technologies;
- When needed, represent WFP at geospatial events, workshops, and summits;
- Any other duties as assigned.

Qualifications & Experience Required

Education:

- Advanced university degree in one of the following disciplines Geographic Information Systems, Computer Science, or other relevant fields.

Experience:

- Minimum of three years of increasingly relevant professional experience in GIS and with experience working in a humanitarian or development context.

Technical Skills & Knowledge:

- Proficiency with software development languages such as Python, JAVA, Javascript, XML, HTML, CSS;

- Extensive knowledge of JavaScript Libraries such as jQuery, ExtJS, OpenLayers, GeoExt, Leaflet.js;
- Extended coding skills to develop web applications using the Django web framework;
- Proficiency with geodatabases creation and management (PostgreSQL/PostGIS);
- Deep experience with GIS Server applications such as GeoServer, GeoWebCache, ArcGIS Server and ArcSDE;
- Extended knowledge of OGC Services, UNIX-shell, GDAL, OGR;
- Experience with GIS Desktop tools such as QGIS and ESRI ArcGIS Desktop.

Competencies:

- Courtesy, tact and ability to work with people of different national and cultural backgrounds;
- Ability to communicate clearly and concisely both orally and in writing.

Language:

- Fluency in oral and written English;
- Working Knowledge of Arabic, French, or Spanish is an advantage.

Terms and Conditions

WFP offers a competitive compensation package which will be determined by the contract type and selected candidate's qualifications and experience.

Please visit the following websites for detailed information on working with WFP.

<http://www.wfp.org> Click on: "Our work" and "Countries" to learn more about WFP's operations.

<http://www.unstaffmobility.org> Learn more about countries where the UN operates.

Application Procedures:

Go to: <http://i-recruitment.wfp.org/vacancies/15-0019352>

Step 1: Register and create your online CV.

Step 2: Click on "Description" to read the position requirements and "Apply" to submit your application.

NOTE: You must complete Step 1 and 2 in order for your application to be considered for this vacancy.

Deadline for applications: 17 November 2015

Qualified female applicants and qualified applicants from developing countries are especially encouraged to apply.

WFP has zero tolerance for discrimination and does not discriminate on the basis of HIV/AIDS status.

No appointment under any kind of contract will be offered to members of the UN Advisory Committee on Administrative and Budgetary Questions (ACABQ), International Civil Service Commission (ICSC), FAO Finance Committee, WFP External Auditor, WFP Audit Committee, Joint Inspection Unit (JIU) and other similar bodies within the United Nations system with oversight responsibilities over WFP, both during their service and within three years of ceasing that service.

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Fighting Hunger Worldwide
www.wfp.org