



POSITION TITLE:	System Development Officer (Web- GIS)	GRADE LEVEL:	P2
		DUTY STATION:	Rome, Italy
ORGANIZATIONAL UNIT:	Forest Assessment, Management & Conservation Division (FOM) Forestry Department (FO)	DURATION *:	12 months (extendable)
		POST CODE/N°:	unidentified
		CCOG CODE:	1.A.05

Applications from qualified women as well as from qualified nationals of non-and under-represented member countries are encouraged
Persons with disabilities are equally encouraged to apply
All applications will be treated with the strictest confidence

DUTIES AND RESPONSIBILITIES

Under the overall supervision of the ADG, FO and direct supervision of the UN-REDD Programme Coordinator and in close collaboration with UN-REDD Remote Sensing Officer, the incumbent will provide support on the development and implementation of the National Forest Monitoring Systems (NFMS) in UN-REDD countries. In particular, the incumbent will:

- sustain the design of the national forest monitoring systems, the design and development of the forest carbon stocks and stock changes assessment as part of the satellite monitoring;
- develop web-based visualization and dissemination tools for geospatial data (remote sensing and GIS data layers) with particular emphasis on REDD+ MRV in collaboration with the UN-REDD team;
- design and implement of web-based and stand alone open-source software analysis tools for REDD+ data acquisition and analysis;
- develop dynamic analysis interface for the GIS databases to provide the users on-the-fly result computation interface;
- analyse and coordinate with other relevant projects and units in FAO on the potential complementarities, compatibility and integration of the systems;
- define and document information dissemination requirement specifications for the countries together with other FAO staff;
- prepare developer and user documentation in English and deliver training and technical assistance to users;
- provide technical documentation on software and tools developed;
- liaise with FAO Information Technology Division to ensure synergy with other FAO software projects;
- prepare periodic and final progress reports;
- perform any other relevant tasks as required.

MINIMUM REQUIREMENTS

Candidates should meet the following:

- University degree in Computer sciences, Physics, or a closely related field
- Minimum three years experience in the area of web-GIS data management and applications development, including Java development, development of Javascript client side applications, including international experience or experience in working with developing countries
- Working knowledge of English

SELECTION CRITERIA

Candidates will be assessed against the following:

- Good knowledge of satellite monitoring systems for deforestation and forest degradation
- Extent and relevance of Linux server administration
- Extent of experience in OpenLayers, Geoserver, postGIS, GRASS GIS, gdal and Tomcat
- Relevance of experience with UN, intergovernmental or international organizations related to information systems
- Quality of both oral and written communication skills on technical issues in English
- Demonstrated ability to work as an effective team member
- Demonstrated initiative and ability to deliver results within deadlines

Please note that all candidates should possess computer/word processing skills and should be capable of working with people of different national and cultural backgrounds.

* **The length of appointment for internal FAO candidates will be established in accordance with applicable policies pertaining to the extension of appointments**

REMUNERATION

A competitive compensation and benefits package is offered. For information on UN salaries, allowances and benefits, click on the following link: <http://icsc.un.org/>

TO APPLY: Carefully read and follow the **Guidelines to applicants**

Send your application to:

V.A **FOM-811-12-PRJ**
Director, FOM
FAO Viale delle Terme di Caracalla 00153 Rome ITALY
Fax No: +39 06 57055137
E-mail: VA-811-12-PRJ-FOM@fao.org

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