CONSULTANT VACANCY ANNOUNCEMENT

Issued on: 26 February 2016

ORGANIZATIONAL LOCATION:	UN-HABITAT
DUTY STATION:	Nairobi
FUNCTIONAL TITLE:	Consultant: GIS Web Developer to develop a prototype web version of the Social Tenure Domain Model tool.
DURATION:	4 months spread over 6 months
CLOSING DATE:	**10 March 2016**

BACKGROUND

UN-Habitat through the Global Land Tool Network and its partners is developing and implementing the Social Tenure Domain Model (STDM). STDM, as it stands, has the capacity to broaden the scope of land administration by providing a land information management framework that would integrate formal, informal and customary land systems and administrative and spatial components. STDM makes this possible through tools that facilitates recording all forms of land rights, all types of rights holders and all kinds of land and property objects/spatial units regardless of the level of formality.

As the desktop version of STDM continues to evolve with scheduled version releases, there is a need to explore the deployment of the tool in other platforms so as to enable users to leverage the capabilities of the web in accessing and managing tenure-related information through a web client version of the tool. The ideal candidate will be required to familiarize with the existing desktop tool and propose appropriate functional requirements for the prototype web version; the individual will work with relevant GLTN staff during the design, testing and deployment phases of the prototype web version of STDM. The consultant must have an enthusiastic attitude, with knowledge and skills on various open-source web mapping technologies.

RESPONSIBILITIES

Under the overall supervision of the Unit Leader of Land and GLTN Unit under the Urban Legislation, Land and Governance Branch of UN-Habitat or authorised staff, the consultant will perform the following tasks and responsibilities:

1. Develop the target software architecture specifically including:
   a. Selection of software packages required to extend the STDM functionality on the web.
   b. Identify and describe the work scope required to implement missing pieces concerning the front end.
   c. Propose and describe security measures in the architecture.
   d. Preparation of a step by step implementation plan.

2. Develop a strategy for the launch of the STDM prototype
   a. Draft a demo scenario including roles for the operator of STDM Online, third party organization conducting the surveys, local authorities and subsequent use by third parties (e.g. land information portals).
   b. Identify requirements concerning the owner of the operational system including security and privacy related questions.

3. Develop an interactive and intuitive web mapping application that enables users to visualize, edit and query tenure-related information based on the configuration defined in the desktop version of the tool. This will include developing backend services that leverage the existing desktops tools for creating, publishing and managing data layers and corresponding web services.

4. Propose and draft an audition process for the accreditation of STDM Online site operators.

5. Provide support in the advocacy and promotion of STDM Online and support the launch of STDM Online at key international meetings/workshops.

6. Propose an integration plan for deploying future versions of the respective desktop and web versions of STDM while taking into consideration the specific use cases and complementarities of the two platforms.

7. Provide the necessary training and capacity development in maintaining and updating STDM Online.

8. Perform other related tasks as necessary.

OUTPUTS
- A tested and deployed website implementing the core STDM concepts.
- End-user and administrator manuals for using and managing the website respectively.
- Detailed technical report on scaling up to a fully functional production website including integration strategies with the desktop version and user workflows.

COMPETENCIES (maximum of five)
- **Professionalism**: Shows pride in work and in achievements. Demonstrates professional competence and mastery of subject matter. Is conscientious and efficient in meeting commitments, observing deadlines and achieving results. Is motivated by professional rather than personal concerns. Shows persistence when faced with difficult problems or challenges. Remains calm in stressful situations.
- **Communication:** Speaks and writes clearly and effectively. Listens to others, correctly interprets messages from others and responds appropriately. Asks questions to clarify, and exhibits interest in having two-way communication. Tailors language, tone, style and format to match the audience. Demonstrates openness in sharing information and keeping people informed.
- **Planning and Organising**: Develops clear goals that are consistent with agreed strategies. Identifies priority activities and assignments; adjusts priorities as required. Allocates appropriate amount of time and resources for completing work. Foresees risks and allows for contingencies when planning. Monitors and adjusts plans and actions as necessary. Uses time efficiently.
- **Technological Awareness:** Keeps abreast of available technology. Understands applicability and limitations of technology to the work of the office. Actively seeks to apply technology to appropriate tasks. Shows willingness to learn new technology.

EDUCATION
Bachelor's or master's in Computer Science, Geography, GIS or a related field.

QUALIFICATION

- Extensive experience with HTML5 and CSS3 is required.
- Experience with spatial database interfaces such as PostgreSQL/PostGIS, Spatialite.
- Experience with open-source web mapping servers such as MapServer, GeoServer.
- Knowledge on application documentation including system design, technical specifications and UML modelling.
- Knowledge of modern web technologies with strong emphasis on design aesthetics is preferred.
- Experience with usability – usability principles, wireframes, screen layout design, etc. is required.
- Strong organizational skills & ability to handle multiple tasks under tight deadlines is essential.
- Ability to write technical documentation.
- Agile experience is preferred.
- Excellent oral and written communication skills in English.
- Team working ability and flexibility.
- Previous UN working experience is preferred.

LANGUAGE SKILLS
English and French are the working languages of the United Nations. For the post advertised, excellent proficiency in spoken and written English is required. Knowledge of a second UN language is an advantage.

REMUNERATION

Payments will be based on deliverables over the consultancy period. There are set remuneration rates for consultancies. The rate is determined by functions performed and experience of the consultant. The fees will be paid as per agreement.

Applications should include:
- Cover memo (maximum 1 page)
- CV in the PHP format, accessible through the INSPIRA website (inspira.un.org) Please note, if using INSPIRA for the first time, you need to register in order to activate your account, which will allow you to log in and create a personal History Profile.
- The PHP should be attached to the application as a PDF file.
- Summary CV (maximum 2 pages), indicating the following information:
1. Educational Background (incl. dates)
2. Professional Experience (assignments, tasks, achievements, duration by years/ months)
3. Other Experience and Expertise (e.g. Internships/ voluntary work, etc.)
4. Expertise and preferences regarding location of potential assignments
5. Expectations regarding remuneration
- Cover memo (maximum 1 page)

Please also be advised that since April 15th 2010, applicants for consultancies must be part of the UN-HABITAT e-Roster in order for their application to be considered. You can reach the e-Roster through the following link: http://e-roster.unhabitat.org

All applications should be submitted to:
Mr./ Ms. Josephine Ruria
UN-HABITAT
P.O. Box 30030, 00100 Nairobi, Kenya
Email:**Josephine.Ruria@unhabitat.org**

Deadline for applications: **10 March 2016**

UN-HABITAT does not charge a fee at any stage of the recruitment process. If you have any questions concerning persons or companies claiming to be recruiting on behalf of these offices and requesting the payment of a fee, please contact: recruitment@unon.org