

EXPRESSION OF INTEREST

Development of the Social Tenure Domain Model (STDM) - Phase 2

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1. Background

The United Nations Human Settlements Programme, UN-HABITAT, is the United Nations agency for human settlements. It is mandated by the UN General Assembly to promote socially and environmentally sustainable towns and cities with the goal of providing adequate shelter for all.

In 2006, UN-HABITAT has facilitated the establishment of the Global Land Tool Network (GLTN), a global partnership on land issues pulling together global partners, as well as many individual members. These partners include international networks of civil society, International Finance Institutions, international research and training institutions, donors and professional bodies. It aims to take a more holistic approach to land issues by improving global coordination on land; through the establishment of a continuum of land rights, rather than just focus on individual land titling; through improving and developing pro-poor land management, as well as land tenure tools; by unblocking existing initiatives; assisting in strengthening existing land networks; assisting in the development of gendered land tools which are affordable and useful to the grassroots; and improving the general dissemination of knowledge about how to implement security of tenure. More information: www.gltn.net.

GLTN partners have identified and agreed upon the 18 key land tools which need to be addressed in order to deal with poverty and land issues at the country level, across all regions. One of the tools identified is the Social Tenure Domain Model (STDM), a pro-poor land rights recording system that 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 is a specialization of the Land Administration Domain Model (LADM) which was submitted by the International Federation of Surveyors (FIG) to the International Standardisation Organisation (ISO) Technical Committee 211 (Geomatics Group) with a view to making the model a descriptive global standard and based on open source software development principles. More reading materials at: <http://www.gltn.net/en/e-library/index.php>.

STDM Phase 1

STDM Phase 1 has been completed and produced the conceptual, functional, technical designs and a prototype. The prototype has been tested in the field in the context of rural land administration. The prototype includes the functions of spatial/attributes data entry including

multi-media, editing (including subdivisions, consolidations, etc.), simple query, data manipulation, data archiving, digitising and geo-referencing; amongst others. The prototype was built on the following open source software such as Apache tomcat managing server-client environment, PostgreSQL/PostGis managing DBMS and ILWIS providing GIS functionalities. STDM Phase 1 also produced installation guide, users guide and demo CD.

2. Scope of Services

UN-HABITAT intends to implement the second phase of STDM to enhance the prototype, develop more functionality, and make it user-friendly for the purpose of creating a functional land information system with all the basic GIS/LIS capabilities. STDM Phase 2 development will still be based on open source software and will support the pro-poor concepts and principles including addressing the land information requirements of recording a range of rights, e.g. informal settlements, customary/group tenure, etc. STDM has to be developed for a client-server environment but both client and server should be installable on a single PC. STDM development has to consider running on commonly used operating systems, e.g. Windows XP. Specifically, the second phase development of STDM will include, but not limited to, the following requirements:

- Assess the STDM prototype and identify gaps and make improvements. Improvements may include changes, modifications, edits of the database system, introduction of new and widely-used open source GIS software to allow more functionalities, improve user-friendliness and can provide continuing technical support and flexible enough to accept data from PDAs, mobile phones and other emerging data collection methods/sources ;
- Develop STDM Phase 2 by incorporating and maximizing the existing functionalities offered by open source softwares to include the basic GIS/LIS functionalities such as, but not limited to, the following: spatial/attribute data capture/editing/processing/analysis, improve geo-referencing capabilities, spatial analysis, data query, viewing /printing functionalities, improving the ability to customize database requirements; improve system administration and security management, acceptance of various raster and vector data sets, and provision of tabular, graphic, map and other reports/outputs;
- Development of STDM Phase 2 should include data entry of various case scenarios (e.g. slum data, customary tenure, etc.), validations, testing and revisions/modifications;
- Include the development of a participatory-GIS type enumeration module using a pre-programmed PDA/smart mobile phone with its GPS capability for mapping. Open source software (such as gvSIG Mobile) may be used for software development. The information from the PDA/mobile or other data collection devices should be easily uploadable to a desktop STDM system;
- Improve user-friendliness in terms of installation (self-installable with possible single EXE file); development of HELP menu showing screenshots, simple instructions, sample data sets, etc. embedded in the software menu bar; develop a USER Guide or Manual; Administrator's Guide, and create not less than ten-minute video (demo cd) demonstrating the principles behind the software development, software capabilities, basic functions, basic applications with some examples intended for the general audience;
- Produce an interactive computer-based training package explaining its applications, brief description, capabilities, etc. and demonstrating a step by step procedure in uploading the software, entering sample data/case studies, manipulating data sets, data analysis, viewing some analytical outputs through graphs, statistical analyses, maps,

table or combinations, etc.; amongst others;

3. Eligibility

Bidders must provide evidence and formal certification that they have undertaken similar works/services as specified in the Scope of Services above, along with implementation and support capabilities. Preference will be given to bidders who can demonstrate a proven track record of not less than five (5) years for delivering similar services, preferably in developing countries. Evidence of previous related projects in the last three (3) years should include the following information:

- Nature/Title of Projects
- Budget/Project Value
- Completion Date and Status
- Projects' key personnel and professional background
- Detailed information on each project: by CD/DVD or Attaching pertinent documents

4. Submission of Expression of Interest

All submissions must be sent in sealed envelopes or by e-mail, clearly labeled "*Expression Of Interest (EOI/UNON/10/013) - Development of Social Tenure Domain Mode (STDM) - Phase 2*" and received latest by 10:00 a.m., Friday, 22 October 2010 to the address below:

**The Chief, PTSS/UNON EOI /UNON/10/013,
Block V 2nd floor West Wing, UNON, Gigiri,
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Nairobi, KENYA.
Fax: + 254 20 7623211
Email address: CPS.Registration@unon.org (dedicated for submissions only)**

Please indicate your UN Vendor Registration Number (if applicable) and refer to this EOI in your submission. For those not yet registered with the UN, please access the registration form at: <http://www.unon.org/ssse/documents/Regform.pdf>. Bidders should also provide financial statements covering their most recent three years of operation.

5. Please note that this notice does not constitute a solicitation and UN-HABITAT reserves the right to change or cancel this requirement at any time in the Expression of Interest/ bidding process. Only prospective bidders that respond to this EOI, and are deemed qualified, may receive the final solicitation document to be issued. As part of the pre-qualification process, we reserve the right to conduct reference checks on your company. Queries on this EOI may be addressed to antony.kuligha@unon.org or fatima.tafida@unon.org