



Issued on: 20 June 2017

Deadline For Application: 7 July 2017

**JOB TITLE:** Digital Cadastral Map Capture & Quality Control Specialist

**TYPE OF CONTRACT:** Consultant / PSA

**DUTY STATION:** Tonga

**ORGANIZATIONAL UNIT:** SUB-REGIONAL OFFICE FOR THE PACIFIC ISLANDS (SAP)

**DURATION:** 3 working months

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*FAO seeks gender, geographical and linguistic diversity in its staff and international consultants in order to best serve FAO Members in all regions.*

**Qualified female applicants and qualified nationals of non-and under-represented member countries are encouraged to apply.**

**Persons with disabilities are equally encouraged to apply.**

**All applications will be treated with the strictest confidence.**

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### Organizational Setting

The Priority Areas of the Pacific Multi-country Programme Framework include Evidence-based Policy and Strategic Planning; and Environmental Management and Resilience (including disaster preparedness, emergency response and climate change). The organizational outcomes under these Priority Areas include, strengthened data collection and management systems in place; strengthened capacity for policy analysis and formulation; and increased capacity for sustainable land and forest management. Towards these CPF outcomes, FAO is implementing a GEF Project entitled, *Integrated Land and Agro-ecosystem Management Systems (ILAMS) for Tonga* under the Pacific regional Ridge to Reef Program (R2R). The overall ILAMS project objective is “to strengthen the resilience of communities by enhancing land tenure systems, improving forest management, and piloting an integrated agro-ecosystem approach to rehabilitate degraded landscapes” consistent with the ridge-to-reef approach. A key component of the ILAMS project is improving the enabling environment for integrated land and agro-ecosystem management. Under this component, the ILAMS project aims to strengthen the national land administration system to ensure reliable information on land tenure is available to guide land use planning and facilitate the application of sustainable land management nationwide.

The ILAMS project will enhance the National System of Land Administration through the customization of the computerized Solutions for Open Land Administration (SOLA) system for Tonga. A crucial part of the customization of the SOLA system for Tonga is the digitization of cadastral maps (both the tax and town allotments), which require establishing protocols to update and maintain data quality relating to allotment map data. FAO is now seeking the technical services of a Digital Cadastral Map Capture and Quality Assurance Specialist as an International Consultant for a period of three (3) months. The Consultant will implement and provide training of local staff on configuration tasks necessary for data improvement work to ensure quality allotment map data necessary for the existing spatial functionality in SOLA to be included in Tonga SOLA. The Consultant will also define and institute regular data maintenance protocols and procedures to ensure consistent quality of digital map definitions of tax and town allotments, necessary for inclusion of cadastral data and cadastral functionality in the Tonga SOLA based land administration system.

### Reporting Lines

The International Consultant will work under the overall responsibility of the FAO Lead Technical Officer and direct supervision of the Head of Section of the GIS Unit of the Ministry of Lands Survey and Natural Resources (MLSNR) in consultation with the ILAMS Project Manager, and with strategic guidance of the CEO of MLSNR and the ILAMS Senior Technical Adviser.

### Technical Focus

Technical support and building the capacity of MLSNR staff in digital cadastral map data improvement and maintenance to ensure quality allotment map data necessary for activating the spatial functionality of SOLA Tonga.

### Tasks and responsibilities

- Implement configuration tasks necessary for data improvement work to ensure quality allotment map data necessary for the existing spatial functionality in SOLA to be included in Tonga SOLA.
- Define and institute regular data maintenance protocols and procedures to ensure consistent quality of digital map definitions of tax and town allotments, necessary for inclusion of cadastral data and cadastral functionality in the Tonga SOLA based land administration system.
- Train local staff on protocols and procedures for the maintenance of data quality for SOLA Tonga.

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## CANDIDATES WILL BE ASSESSED AGAINST THE FOLLOWING

### Minimum Requirements

- A Post-Graduate degree in Geography, Geophysics, Geospatial/Land/Urban Planning, Civil Engineering, geographic information systems (GIS) or a related field or the equivalent combination of education and related experience
- Minimum ten (10) years of relevant work experience
- Proficient in both written and oral English

## **FAO Core Competencies**

- Results Focus
- Teamwork
- Communication
- Building Effective Relationships
- Knowledge Sharing and Continuous Improvement

## **Technical/Functional Skills**

- Work experience in digital cadastral datasets and databases, in application development, system analysis, database design and system implementation for software development related projects.
- Familiarity with institutional capacity challenges of Pacific island countries and in particular Tonga.

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Please note that all candidates should adhere to *FAO Values of Commitment to FAO, Respect for All and Integrity and Transparency*.

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## **ADDITIONAL INFORMATION**

- All applications will be reviewed and qualified applicants will be contacted for interviews.
- FAO seeks gender, geographical and linguistic diversity in its staff and international consultants in order to best serve FAO Members in all regions.
- FAO does not charge a fee at any stage of the recruitment process (application, interview meeting, processing).
- Incomplete applications will not be considered. If you need help, or have queries, please contact: [iRecruitment@fao.org](mailto:iRecruitment@fao.org)
- Applications received after the closing date will not be accepted.
- Only language proficiency certificates from UN accredited external providers and/or FAO language official examinations (LPE, ILE, LRT) will be accepted as proof of the level of knowledge of languages indicated in the online applications.
- For other issues, visit the FAO employment website: <http://www.fao.org/employment/home/en/>

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## **HOW TO APPLY**

To apply, visit the iRecruitment website at <http://www.fao.org/employment/irecruitment-access/en/> and complete your online profile. Only applications received through iRecruitment will be considered.

Candidates are requested to attach a letter of motivation to the online profile.

Vacancies will be removed from iRecruitment at 23:59 Central European Time (CET) on the deadline for applications date. We encourage applicants to submit the application well before the deadline date.

If you need help, or have queries, please contact: [iRecruitment@fao.org](mailto:iRecruitment@fao.org)

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