



Issued on: 23 October 2017

Deadline For Application: 06 November 2017

JOB TITLE: Water Consultants

TYPE OF CONTRACT: Consultant / PSA
DUTY STATION: Rome / Home-based or other location
DURATION: Assignments from one to six months on a when-actually employed basis; and assignments for 11 months when applicable.

ORGANIZATIONAL UNIT: LAND AND WATER DIVISION (CBL)

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.

Organizational Setting

The Land and Water Division aims at enhancing the agricultural productivity and advancing the sustainable use of land and water resources through their improved governance, development and management. It addresses the challenges member countries face in ensuring productive and efficient use of land and water resources in order to meet present and future demands for agricultural products, while ensuring the long-term sustainability of the land and water quantity and quality. It promotes equitable access to these natural resources with a view to enhancing productivity, livelihoods and ecosystem services. It provides assistance to member nations in developing policies and programmes, and adopting best practices and tools in the fields of irrigation and drainage, soil and water conservation, drought mitigation, water rights and access to natural resources.

FAO International Consultants and Call purpose

The purpose of this call is to provide FAO's Land and Water Division (CBL) and the Water group with a list of qualified candidates for a number of profiles with different specializations to enhance the FAO Water portfolio as indicated below:

- Irrigation management, technologies, and modernization
- Water management, water governance, water tenure and water rights, water/development economics and policy
- Water assessments, water accounting, water efficiency and productivity
- Water data and information systems (e.g. GIS and Remote Sensing)
- Water quality, wastewater reuse and pollution control
- Water and climate change
- Project operation and communication

Contracts will be based in FAO HQs with required travel for field missions, where relevant.

Reporting Lines

The International Consultant reports to the Deputy Director, Land and Water Division and to the relevant Officer.

Technical Focus

Supporting the development, quality control, management and effective implementation of FAO's water portfolio through the provision of expertise in relevant technical areas with project formulation and implementation supporting member countries.

Tasks and responsibilities

Irrigation management, technologies, and modernization

- Assess the present production systems with particular attention to the water used per unit of product, irrigation systems applied, overall water use efficiency, and the preparedness of farmers to reduce their water use and to increase its efficiency, assess the availability of material and/or equipment which is needed to reduce water use and/or to increase water use efficiency.
- Advise and assist on the water-related infrastructure which will ensure sustainable and climate change resilient water resources management. The newest technologies on water harvesting and groundwater recharge will have to be introduced, whenever applicable.
- Advise on the most appropriate technologies for increasing irrigation efficiency and assist in setting-up demonstration pilots if so required. It is important that the investment into irrigation system has a high financial internal rate of return as to stimulate farmers to invest in such technologies.
- Advise on the latest development of crop production systems using minimal quantities of water.
- Perform other related duties as required.

Water management, water governance and policy, water tenure and water rights, and water economics

- Plans, manages, or leads project teams, and working groups, and/or provides technical leadership on technical networks and/or international technical policy and standard setting bodies on water governance and tenure, and water policy;

- Implements and monitors programmes of work involving the development of the approach, evidence based strategies, and related tools, methodologies and the supporting system/database, monitoring and reporting frameworks related to water governance, policy, economics and water tenure;
- Provides technical and policy advice on water management, governance, tenure and water rights based on the needs of the project/program;
- Collaborates and ensures the quality / effectiveness of capacity development and knowledge sharing activities within the project/program mandate on governance, tenure and water rights

Water resource assessments, water accounting, water efficiency and productivity

- Provides technical support and input in enhancing the water use efficiency in different agricultural practices
- Supports in enhancing the equitable water delivery systems and water conservation/saving techniques, with special reference to gender perspectives
- Designs and implements more equitable sharing of irrigation water, and increases in the number of water applications, assessment and water accounting in a particular cropping season.

Water data and information systems (e.g. GIS and Remote Sensing)

- develop and maintain a capacity to perform long-term global and regional perspectives studies on the status and trends in the use of water resources for food and agriculture;
- facilitate, in cooperation with relevant units within FAO, the development of tools, methodologies, criteria and indicators to monitor and report on the management and use of water resources in relation to productivity estimates and scenario analysis;
- design and implement studies at global, regional and river basin scale on the status and use of water resources for food, energy and agriculture, under different climatic and governance scenarios;
- provide technical guidance and advisory support for the formulation and implementation of perspective studies on water resources management at national, regional and river basin scale, and provide backstopping to related technical cooperation projects and programmes;
- perform other related duties as required.

Water quality, wastewater reuse and pollution control

- design and conduct analytical studies on technical and policy issues related to salinization, sources of point and non-point source pollution from agricultural chemicals and the re-use of wastewater;
- advise on the most suitable use (irrigation system) of treated wastewater.
- advise on state of art technologies and management scenarios in reducing pollution load from agriculture
- assist the preparation the framework for national strategies and policies with regard to agricultural water quality;
- prepare technical documentation and reports;
- review and comment on environmental impact of water quality programmes and reports,

Water and climate change

- Support climate change impact and vulnerability assessments in irrigation systems;
- Support the development of methodologies for the cost-benefit analysis of adapting irrigation systems to climate change in collaboration with the relevant partners;
- Support the organisation of training workshops on tools and methodologies for impact and vulnerability assessments, climate change adaptation and mitigation.
- Support the identification and analysis of good agricultural water practices and technologies for climate change adaptation.
- Prepare technical documents and reports;
- Participate in country missions;
- Perform other duties as required.

Project operations and communication

- Support the design, development and effective operational implementation of projects, including coordination of activities with project partners at global and country level, budget monitoring and reporting to donors according to donor requirements.
- Contribute to raise awareness and visibility of projects and ensure stakeholders engagement.
- Write contents for project material in various languages (working papers, advocacy materials, press releases, articles, success stories, information material, flyers, project updates, newsletters, videos, etc.).
- Ensure consistency of outreach material with FAO corporate communication policy.
- Update project websites using the FAO content management system.
- Ensure, in collaboration with other FAO departments, the FAO internal dissemination of project results.
- Support the organization of local and regional conferences and workshops.
- Participate in partner meetings to present project results
- Assist the development of the M&E system and provide support to project monitoring, report and evaluation activities.
- Perform other duties as required

CANDIDATES WILL BE ASSESSED AGAINST THE FOLLOWING

Minimum Requirements

- Advanced University degree in natural resources (for consultants) / University degree (for PSAs) in water resource engineering and management, agriculture, environmental sciences, geography, agro-economics, communication or a related field;

- One to four years of relevant experience for base level consultants (category C), and at least five years' relevant experience for middle level consultants (category B) and more than 12 years for the consultant category A;
- Working knowledge of English, French or Spanish and limited knowledge of one of the other two or Arabic, Chinese, Russian;

FAO Core Competencies

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

Technical/Functional Skills

- Extent and relevance of experience in water resource management for agriculture;
- Demonstrated ability to deliver results within deadlines. Work experience in more than one location or area of work, particularly in field positions is desirable;
- Extent and relevance of experience in coordinating special events, exhibitions, and campaigns at international level, as well as the production of content for external audiences (UN agencies, stakeholders and other public and private partners), especially in areas relevant to FAO's mandate;
- Understanding of FAO policies and programmes and familiarity with UN policy agendas;
- Extent and relevance of experience or knowledge of issues related to sustainable water resource management and agriculture and natural resources management in developing countries and in particular in relation to climate change mitigation and adaptation, in developing countries;
- Extent and relevance of experience in the formulation and implementation of projects related to sustainable water resource management;
- Extent and relevance of experience in the preparation of technical and policy reports and capacity development materials;

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

ADDITIONAL INFORMATION

- All applications will be reviewed and qualified applicants will be contacted for interviews.
 - 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
 - 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/>
-

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

FAO IS A NON-SMOKING ENVIRONMENT