Food and Agriculture Organization of the United Nations

Vacancy Announcement No: IRC5799

Issued on: **1 October 2018**
Deadline For Application: **22 October 2018**

Position Title:	Technical Officer (Agricultural Water Management)	**Grade Level:**	P-3
		Duty Station:	Austria, Vienna
Organizational Unit:	Joint FAO/IAEA Division, AGE	**Duration *:**	Fixed term: 2 years with possibility of extension
		Post Number:	0054992
		CCOG Code:	1H02

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

- **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.**
- **The incumbent may be re-assigned to different activities and/or duty stations depending on the evolving needs of the Organization..**

Organizational Setting

The Joint FAO/IAEA Division of Nuclear Techniques in Food and Agriculture assists Member Countries of the Food and Agriculture Organization of the United Nations (FAO) and the International Atomic Energy Agency (IAEA) in using nuclear techniques and related technologies to and promote sustainable agriculture for the improvement of food and nutrition security. The Joint FAO/IAEA Division (AGE) consists of five sections, each with an associated laboratory (located in Seibersdorf, Vienna, Austria), in the areas of: animal production and health; plant breeding and genetics; insect pest control; soil and water management and crop nutrition; and food and environmental protection.

Reporting Lines

The Technical Officer reports to the Director of the Joint FAO/IAEA Division (AGE), and works under the direct technical supervision of the IAEA Laboratory Head. S/he also works in close collaboration with the Land and Water Division of FAO.

Technical Focus

Provide technical expertise and support through applied and adaptive research and development relating to agricultural water management using isotopic/nuclear techniques, within the Soil and Water Management - Crop Nutrition Laboratory of the Joint FAO/IAEA Division of Nuclear Techniques in Food and Agriculture (AGE).Support interdisciplinary approaches and methodologies to support the principles for Common Vision for Sustainable Food and Agriculture.

Key Results

Strengthen agriculture water management through technical expertise, research and development and by establishing linkages between water management and associated aspects such as crop nutrition, production practices in the field. Support technical cooperation and coordinated research projects, products and services in accordance with Departmental/Division objectives and FAO Strategic Objectives.

Key Functions

- Undertakes applied research related to agricultural water management using isotopic/nuclear techniques and develop water management tools for Member Countries;
- Reviews technical documents and develops training materials on isotopic and nuclear techniques relating to agricultural water management;
- Plans, organizes and conducts training and capacity building in the use of isotopic, nuclear and related technologies to enhance water productivity and management in agriculture in Member Countries;
- Provides scientific and technical inputs to the policy and standards development of the Joint FAO/IAEA Division of Nuclear Techniques in Food and Agriculture (AGE) on land and water management and associated interdisciplinary approaches;
- Provides technical advice to FAO Member Countries on the assessment, and development of agricultural water management practices and sustainable food and agriculture principles
- Conducts applied research for improving and adapting nuclear-based soil water measurement techniques;
- Develops technology packages and guidelines for quantifying the efficiency of field-based and area-wide water management

- Develops guidelines and methodologies for determining sources of agricultural non-point source pollution;
- Participates on multi-disciplinary teams, and/or leads working groups/teams collaborates with other departments and agencies on work groups and committees and promotes best practices
- Performs other related duties as required.

Specific Functions

- Conducts applied research for improving and adapting nuclear-based soil water measurement techniques;
- Develops technology packages and guidelines for quantifying the efficiency of field-based and area-wide water management
- Develops guidelines and methodologies for determining sources of agricultural non-point source pollution.

CANDIDATES WILL BE ASSESSED AGAINST THE FOLLOWING

Minimum Requirements

- Advanced university degree in agricultural science, soil science or agricultural water management
- Five years of relevant experience in conducting laboratory analysis, experiments and field studies to investigate soil and water management factors that influence water use efficiency, crop water productivity and quality in cropping and livestock production systems;
- Working knowledge of English, French or Spanish and limited knowledge of one of the other two or Arabic, Chinese, Russian

Competencies

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

Technical/Functional Skills

- Work experience in more than one location or area of work, particularly in field positions is desirable
- Proven knowledge of agricultural production systems in developing countries with demonstrated experience in the use of isotopic, nuclear and related techniques to investigate soil-water-plant-nutrient interactions
- Extent and relevance of experience in formulating and conducting laboratory and field research and development projects, analyzing technical and scientific information and writing scientific publications, technical manuals, guidelines and training materials;
- In-depth knowledge of the principles and practices of the use of nuclear, isotopic and related techniques in agricultural water management (e.g. nitrogen-15, oxygen-18, deuterium, cosmic ray neutron sensor and conventional soil moisture sensor technologies);
- Working knowledge of English is considered a strong asset.

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

ADDITIONAL INFORMATION

- All candidates should possess computer/word processing skills
- Your application will be screened based on the information provided in your iRecruitment online profile (see “How to Apply”). We strongly recommend that you ensure that the information is accurate and complete including employment record, academic qualifications and language skills
- Please note that FAO will only consider academic credentials or degrees obtained from an educational institution recognised in the IAU/UNESCO list

- Candidates endorsed in the selection process for this vacancy announcement will be considered for the FAO Professional Employment Roster for a period of two years. The Roster is used to fill other similar positions at the same or lower grade, and in the same or another duty station
- Candidates may be requested to provide performance assessments

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REMUNERATION

A competitive compensation and benefits package is offered. For information on UN salaries, allowances and benefits, click on the following link: http://www.un.org/Depts/OHRM/salaries_allowances/salary.htm

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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

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