FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS
Terms of Reference for Intern *

Name:	
Job Title:** Agricultural Water management	
Division/Department: Joint FAO/IAEA Division of Nuclear Techniques in Food and Agriculture (AGE)	
Programme/Project Number:	
Duty Station: Seibersdorf, Austria	
Expected Start Date of Assignment: Q3 2019	**Duration:** 11 months
Reports to: ***Name:*** Mr Qu Liang	***Title:*** Director AGE

* Please note: If this TOR is for Consultant / PSA.SBS contract, the minimum relevant experience required **for the assignment** is as follows:
1 year for a category C 5 years for a category B 12 years for a category A

** Please enter a short title (max 25 chars) for this assignment.

GENERAL DESCRIPTION OF TASK(S) AND OBJECTIVES TO BE ACHIEVED

Under the overall guidance of the Director, Joint FAO/IAEA Division for Nuclear Techniques in Food and Agriculture (AGE) and the direct supervision of the Laboratory Head, and the Technical Officer Agricultural Water Management in the Soil and Water Management and Crop Nutrition Laboratory (SWMCNL), the intern will:

- Receive training in the use of carbon-13 and oxygen-18 stable isotopes, and cosmic ray neutron sensor based techniques for improving agricultural water management
- Implement experiments in greenhouse and field using isotope, nuclear and related techniques for monitoring and improving crop water use efficiency at plant, field and landscape levels
- Carry out physical and stable isotope analysis of plant, soil and water samples
- Report experimental results

Duration: 11 months starting in June 2019

Requirements: At least MSc in agricultural sciences, hydrology or any related discipline; language skills: Proficient in English

KEY PERFORMANCE INDICATORS

Expected Outputs:	Required Completion Date:
Successfully undertake in a timely manner the duties as set out above.	As required by the supervisor and by the end of the contract.