

**TERM OF REFERENCE (ToR)
FOR THE RECRUITMENT OF OASIS PROGRAM**

GENERAL INFORMATION

Post Title:	Recruitment of 2024 OASIS interns
Host Organization:	Pessl Instruments GmbH
Host Department/Division:	Product Management
Duty Station:	Home office while VISA D is being processed (~Jul/Aug) In-presence internship once VISA D is approved (~Sep to Dec) *Subject to the travel alerts issued by the MOFA
Possible Places of Travel:	Austria
Duration:	6 months
Expected Start Date:	1st of July 2024

JOB DESCRIPTION

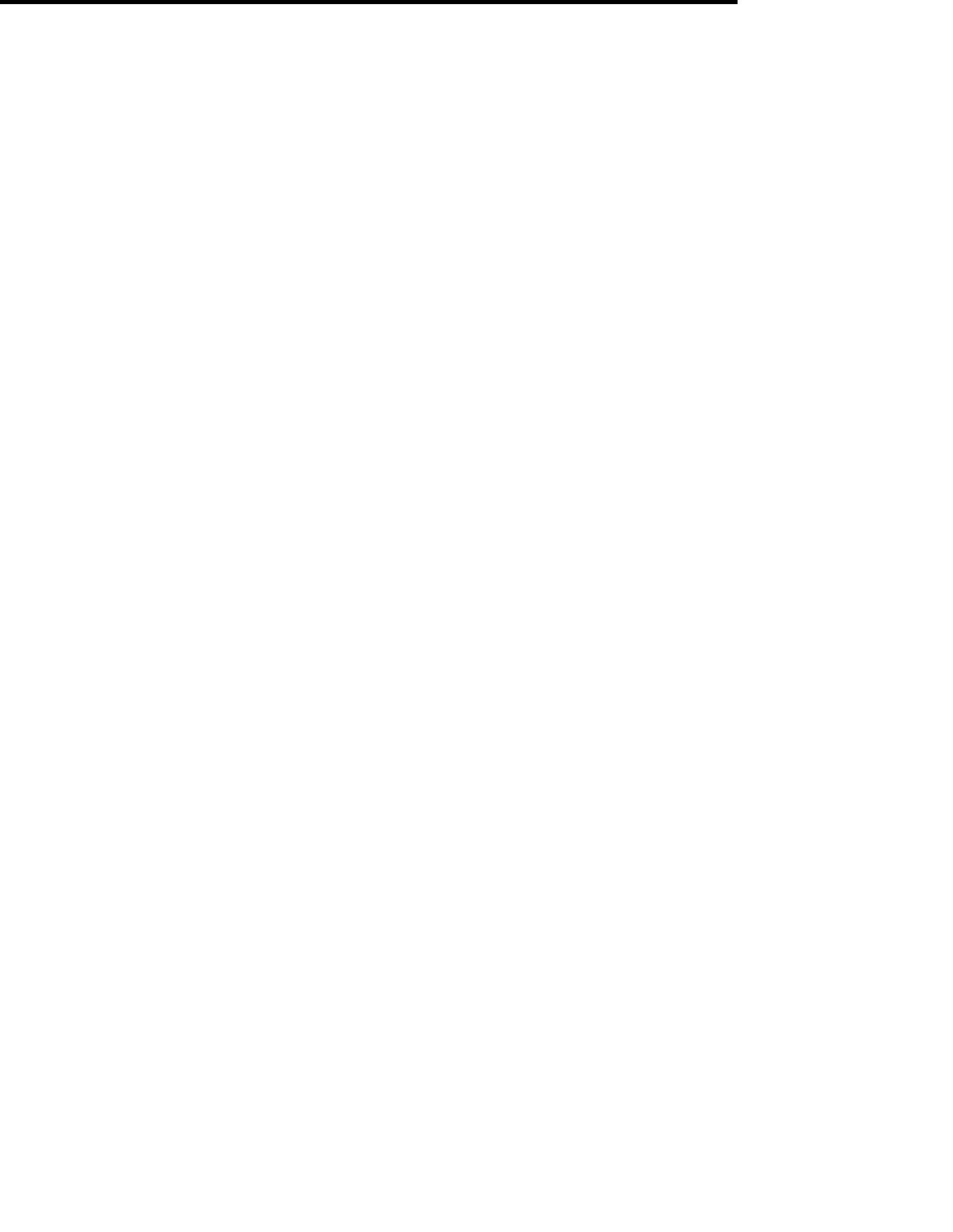
1. SCOPE OF ASSIGNMENT



Crop Growth, Pest, Disease, Soil Moisture and Environmental Modeling & Research

- Research and assistance in Crop Growth, Pest/Disease, Soil Water, and Environmental Modeling.
- Product Management support in agricultural software technology.

2. EXPECTED DURATION OF ASSIGNMENT



6 months

3. QUALIFICATION/EXPERIENCE



The successful offeror shall meet the following minimum criteria:

EDUCATION

- Major in biology, agriculture, ecology, biodiversity, or any other related fields

EXPERIENCE

- Experience in conducting literature research and compiling comprehensive literature reviews.
- Advanced skills in spreadsheet calculation and data analysis (e.g., MS Excel, Google Sheets).
- Experience in computer simulation modeling is desirable.
- Programming skills in languages such as Python, R, or similar, are beneficial.

LANGUAGE

- Fluency in English

FUNCTIONAL COMPETENCIES

- Understanding of crop, pest, and disease bio-physiological processes.
- Knowledge of environmental processes impacting crops, including soil water dynamics.
- Ability to establish and maintain a comprehensive literature database.
- Proficiency in data analysis and interpretation in the context of agricultural research.

CORE COMPETENCIES

- A highly cooperative attitude, with the ability to contribute to team efforts.
- A keen interest in the fields of mechanistic simulation modeling of crops, smart farming solutions based on IoT hard- and software tools, and the impact of climatic changes on crop growth and pest/disease dynamics.
- Ability to report, synthesize, and present complex topics and features clearly.
- Ability to work independently and collaboratively in a multicultural and interdisciplinary environment.