**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.

1. **EXPECTED DURATION OF ASSIGNMENT**

6 months

1. **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.