

12

Workshop on AI in Agrotechnology (II)

Date : October 22-31, 2025

Application Deadline : September 22

***Invitation required:** Through the R.O.C. (Taiwan) embassies, representative offices or Taiwan technical missions.



Overview

Taiwan has a strong foundation in agricultural and ICT technologies, recently advancing in AI applications such as precision fertilization, soil monitoring, and pest forecasting. These innovations improve crop quality, reduce losses, and stabilize yields. This workshop leverages Taiwan's expertise and the strengths of domestic agricultural enterprises and research institutions to help allied and friendly nations enhance their knowledge and skills in smart agriculture and AI applications.

Objectives

- Strengthen sustainable food development systems by promoting sustainable production and consumption models.
- Address global climate change through the exploration of agricultural technology applications in climate adaptation.

Contents

- Taiwan's Smart Agriculture Development : Showcasing sensor deployment, field data collection, and AI prediction, demonstrating precision management throughout crop cycles.
- Building a Smart Agriculture Supply Chain: Exploring collaboration and information-sharing mechanisms across upstream (seeds, fertilizers) and downstream (processing, logistics) sectors to enhance resource flow and industry upgrades.
- Promoting Sustainable Production and Consumption: Highlighting automated greenhouses and irrigation systems, improving production flexibility, and sharing government policies to reduce food waste and losses.

Issues this workshop will address

- How AI can optimize crop growth and yields by analyzing climate and soil data?
- How AI can solve labor shortages and drive automation in smart agriculture ?

Who may apply

- **Background:** Mid- to senior-level officials, researchers, and agribusiness owners who are involved in managing food security, supporting agricultural transformation, and developing sustainable agriculture strategies.
- **Fields of Expertise:** Food security, agricultural technology, and sustainable agriculture development.



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