

01 Workshop on Precision Agriculture

(Excluding ASEAN and South Asian Countries)

Projected training dates: March 4 – March 17, 2020

Application deadline: February 7, 2020

Duration of workshop: 14 days

Number of participants: 20

How to apply: Through the R.O.C (Taiwan) embassies, representative offices or Taiwan technical missions

Introduction:

The State of Food Security and Nutrition in the World 2019 by the Food and Agriculture Organization (FAO) shows that more than 820 million people do not have enough to eat, and as the increase in population and climate change affects agricultural production, food security has become an important issue for every country. The new technology offered by precision agriculture may serve as one of the solutions. Precision agriculture provides modern farmers with tools and data, such as drones, AI, and big data analytics are all helping to solve the food crisis and increasing the efficiency of farming.

The aim of the Workshop on precision agriculture is to share the new agricultural technology, to develop agricultural resilience, to improve and stabilize agricultural production, and to improve on food security.

Objectives:

- Use technology in agricultural production to sustain productivity and quality.
- Improve on agricultural resilience, reduce the impact of climate change on productivity and supply.
- Use technology to encounter the change in the farming population.

Contents:

- Increase productivity
 - ✓ Managing the environment in the field by real-time data collection to respond quickly to changes in growth, optimizing cultivation management.
 - ✓ Using technology in agricultural production to assist in the management of production, sustaining productivity and quality.

- Strengthen responses to climate change
 - ✓ Using tools such as ICT, IoT, and Big Data Analytics to precisely collect and integrate data, creating farm data management.
 - ✓ Promoting eco-friendly farming and sustainable agricultural resources.
 - ✓ Assisting to incorporate climate change in agriculture development, reducing the impact of climate change on agriculture production and supply.
- Respond to demographic change
 - ✓ Creating sustainable rural development to attract young generations so senior farmers can pass down their skills and experience.
 - ✓ Understanding the related policies on agriculture labor shortage and new farmers program.
- Participants must be prepared to share information on the agriculture section of National adaptation programmes of action (NAPAs) of their countries, including proposed objectives, strategies, and different task phases.

Who may apply: Government officials, executives, R&D personnel or members of NGO/INGO/international organization.

- Experience: A minimum of at least two years of progressively responsible experience conducting agricultural transformation, agriculture technology, agribusiness or public service institution/organization (such as WFO).
- Age: Applicants under 50 years old
- Education: A college degree or above
- Language: A good command of English

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