



## PROJECT NOTIFICATION

Ref. No.: 21-CP-10-GE-WSP-B-PN2100036-001

<b>Date of Issue</b>	09 July 2021
<b>Project Code</b>	21-CP-10-GE-WSP-B
<b>Title</b>	Workshop on Agricultural Innovations
<b>Timing and Duration</b>	15–17 September 2021 (three days)
<b>Hosting Country(ies)</b>	Vietnam
<b>Modality</b>	Digital Multicountry
<b>Implementing Organization(s)</b>	Vietnam National Productivity Institute and APO Secretariat
<b>Participating Country(ies)</b>	All Member Countries
<b>Overseas Participants</b>	19
<b>Local Participants</b>	12
<b>Qualifications of Participants</b>	Policymakers, government officials, and academics involved in promoting agricultural innovations and researchers, managers, and CEOs in the public and private sectors involved in developing and introducing agricultural innovations
<b>Nomination of Participants</b>	All nominations must be submitted through National Productivity Organizations of member countries
<b>Closing Date for Nominations</b>	31 August 2021

## 1. Objectives

- a. Understand recent innovations in agriculture and their prospective trends in the future, including those relating to food.
- b. Review how these innovations, both current and prospective, could contribute to long-term productive, sustainable agrifood systems in the Asia-Pacific.
- c. Discuss opportunities and challenges in adopting innovations in agriculture and food.

## 2. Background

Recent progress in digitalization, genetics, and nutritional science are key drivers of innovation in agriculture and food. Continuous innovation by adopting advanced technologies enables the agriculture sector to become more productive, supplying more food in today's challenging environment.

Smart agriculture, which refers to the application of the Internet of Things, sensors, GPS, robots, AI, big data, and analytics, serves as the main driver of innovation in the sector. In addition, innovation in agriculture is driven by mechanization, industrialization, plant-based technologies, and evolution in food supply chains.

Innovations in food are also impacting agriculture as a whole. New forms of food have been developed such as meat analogues, algae, and insects as new protein sources as well as nano and functional food. To plan strategies for long-term sustainable food supplies in the Asia-Pacific, current developments and future trends must be considered by consolidating innovations from various perspectives.

Applications of innovative technologies are expected to revolutionize the global agricultural landscape, making it more resource efficient, sustainable, and productive. By using modern technology as a sustainable, scalable resource, agriculture can be transformed into a more profitable, attractive industry. Policymakers and planners, farmers, and agribusinesses should therefore pay attention to innovations as enablers of transformation. Developing countries, however, face difficulties in achieving innovation-based agricultural transformation due to a lack of information, low investment, insufficient infrastructure, lack of skill sets, and weak business systems.

This workshop will examine case studies of recent and future agrifood innovations and analyze the opportunities and challenges to support and accelerate them, including the creation of ecosystems that ensure continuous investment in innovations by the public and private sectors.

## 3. Scope, Methodology, and Certificate of Attendance

The duration of each day's sessions will be around three hours comprising presentations by experts, group discussions, and other relevant learning methods. The indicative topics of the presentations are:

Day 1:

- Overview of innovations in agrifood applications
- Key innovations in agricultural production and value chains

Day 2:

- Key innovations in food applications

Day 3:

- Opportunities and challenges to drive innovation in agrifood
- Group discussions on how to adopt innovations in APO member countries

The detailed program and list of speakers will be provided two weeks prior to the sessions with announcement of the names of the selected participants.

The participants are required to attend all sessions. This full participation is a prerequisite for

receiving the APO certificate of attendance.

#### **4. Financial Arrangements**

- a. The APO will meet the assignment costs of overseas resource persons and honorarium for up to two local resource persons.
- b. The host country will meet the costs for a virtual site visit(s), either broadcast live or recorded as applicable.

#### **5. Implementation Procedures**

Please refer to the implementation procedures for APO digital multicountry projects circulated with this document.

A handwritten signature in black ink, appearing to read 'Dr. AKP Mochtan', with a long, sweeping flourish extending upwards and to the right.

Dr. AKP Mochtan  
Secretary-General