**附件1 专题研讨会简介**

**ITU/FAO Workshop on “Digital Agriculture at Scale: Sustainable Food Systems with IoT and AI”**

The International Telecommunication Union (ITU) in collaboration with the [Food and Agriculture Organization (FAO)](https://www.fao.org/home/en) is organizing a workshop on **“Digital Agriculture at Scale: Sustainable Food Systems with IoT and AI”**, taking place in Seongnam, Korea (Rep. of) on **24 August 2022** from **10h00 to 17h00 KST**. The workshop will be hosted by the National Radio Research Agency (RRA), Ministry of Science and ICT, Republic of Korea. The workshop will be organised as a **physical event** with **remote participation**.

**Scope**

The Workshop on “Digital Agriculture at Scale: Sustainable Food Systems with IoT and AI” will delve into the prevailing discourse on the use of Artificial Intelligence (AI), Internet of Things (IoT), Unmanned Aerial Vehicles (UAVs)and other emerging technologies to support functions such as harvesting, weed detection, irrigation, and pest identification. It will also cover how these technologies can be leveraged to foster real-time analysis of agricultural parameters including soil characteristics, weather patterns, topography to support decision-making and establish efficient and robust food production and supply chains.

**Target Audience**

Participation is open to ITU Member States, Sector Members, Associates, ITU Academia and to any individual from a country which is a member of the ITU and who wishes to contribute to the work. This includes individuals who are also members of international, regional and national organizations. Participation to the workshop is free of charge.

**DATE**

24 August 2022 from 10:00 to 17:00 KST

**Topic for the Workshop**

***Session 1: Digital Agriculture: Risks and Opportunities***

This session will underscore the emerging issues relevant to digital transformation within the agricultural domain and will examine how IoT, AI and other modern technologies can support precision agriculture to facilitate decision-making relating to agricultural production process.

[*Four speakers maximum followed by a 20-minutes discussion*]

***Session 2: Bridging the digital divide in agriculture: Feeding the future***

This session will explore how digital technologies can be leveraged to play a role in waste dynamics and reducing food loss across the food production and supply chains.

[*Four speakers maximum followed by a 20-minutes discussion*]

***Session 3: Agriculture 4.0: Paving the way to the Sustainable Development Goals***

This session will examine how the concept of Agriculture 4.0 can be the cornerstone for revolutionizing how to boost agricultural productivity, allocate resources, ensure equitable distribution of food and harvesting data on meteorological information, crop properties, soil conditions, arability of land, pest identification etc to assist farmers in making appropriate decisions in real-time to facilitate the attainment of SDG 2 and SDG12.

[*Three speakers maximum followed by a 20-minutes discussion*]