



Asia-Pacific
Economic Cooperation

Policy Partnership on Food Security (PPFS) Plenary Meeting Day (1)

WG2 Updates

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On behalf of WG2 Chair: Dr. Jizhi HAN

Agenda Item [VI] – Working Group Updates on PPFS Activities

WG2 Updates

Working Group on Facilitation of Investment and Infrastructure Development

Key Activities in 2023

- 1st APEC Seminar on Best Practices and Applications of Digitalization and Innovation in Food Supply Chain (hybrid)
- 3-5 December 2023, HangZhou, China
- Hosted by China, co-sponsored by : Singapore, Thailand, The United States, Peru
- Speakers from Australia, China, Korea, Singapore, The United States, International Organization for Standardization (ISO), the World Food Program
- Participants from 14 APEC economies



Session I : Digital and innovative technologies on food production, processing and distribution

- Progress and application of quantitative remote sensing in smart agriculture
- Digital transformations in grain process industry
- Smart probe technology for early detection of insect pests and environmental monitoring of stored products in the US
- Study on predictive model of deoxynivalenol in harvested wheat in China
- Survey progress on digitalization and innovation of food supply chain in APEC Region



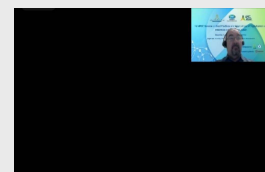
Session II : Public policies including relative standards

- The layout of digital innovation technology promotes the transformation and development of the grain industry
- Pursuing the SDGs Through Data Standardization: ISO's New Agrifood Systems Teams
- Quality assurance in the Australian grain supply chain;
- Agricultural and food marketing innovation trends and policies in Korea;
- The rural e-connectivity program (reconnect); building broadband capacity in the rural United States' food supply chain
- Development of digital and innovative technologies on food production and processing in Singapore



Session III : Private application patterns integrating various quality-protection and loss-reduction technologies

- Reflections on incremental innovation in South Asian grain value chains
- Application of digital technology to grain industry
- Application of automated digital quality inspection system for grain storage
- Intelligent farming improves food production
- Grain and oil quality traceability system solution sharing



ISO Technical Committee 347: Data-Driven Agrifood Systems

The ISO/TC 347 membership is made up of a Technical Committee to develop and maintain standards in the field of data-driven agrifood systems.

The proposal, created jointly by USA (Germany) and ANEC (USA) was followed and subsequently approved.





Key Action In 2024

The 2nd APEC Seminar on Best Practices and Applications of Digitalization and Innovation in Food Supply Chain (PPFS 03 2023A)

October, 2024

Next step proposal

- To establish a APEC Research Center for Post-harvest FLW Reduction Technologies
- To have the working body in the Academy of the National Food and Strategic Reserves Administration (ANAFRA) of China;
- Relying on ANAFRA's own research strength and international cooperation to promote technological progress and application in FLW reduction in the APEC region

Thank you.

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