



Kingdom of the Netherlands



(FINAL) Program
Thailand and the Netherlands Climate Adaptation Conference 2021

“Required Collaboration for Resilient and Inclusive Agriculture & Food Value Chain”
a side event of the online Climate Adaptation Summit 2021

Objectives

- To share knowledge and experience between Thailand and The Netherlands on sustainable agriculture & food value chain

Topics of discussion

1. Plant Breeding for Adverse Conditions (Saline & Drought Tolerance, Resistance to Insect & Disease) and Food Security
2. Smart Water Management for Sustainable Agri & Food Systems; Case Study in Thailand & The Netherlands
3. Urban Food Waste & Loss; Value Added For Malnutrition to Zero Hunger

KEYWORDS:

Satellite Agriculture; Digital Agriculture; Precision Agriculture; Circular Agriculture; Farming The Future; Urban Agriculture; Greenhouse Gas Emission; Low Carbon Development; Green Economy; Food Waste; Food Loss; Post Harvest; By-Products; Bio-Based Economy; Crop Breeding; Soil Degradation; Insect & Disease Resistant; Drought Tolerance; Saline Tolerance; Food Security; Sustainable Agri-Food Value Chain

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Concept Program (Agriculture & Food Session)

“Required Collaboration for Resilient and Inclusive Agriculture & Food Value Chain”

Date & Time : Wednesday 17th March 2021 (14:30 – 16:00 / Bangkok Time)

Venue : The Athenee Hotel, Wireless Road, Bangkok and Virtua (Online) via ZOOM

13:00 – 14:00 Registration

14:00 – 14:45 Plenary session (see appendix)

15:15 – 16:30 **“Required Collaboration for Resilient and Inclusive Agri & Food Value Chain”**

Moderator & MC : Dr. Wannana Soontornnaruerangsee
Kasetsart University

15:15 – 15:20 **Welcome remark**

by Dutch Agricultural Counsellor (Mr. Willem Schoustra)

Plant Breeding for Adverse Conditions (Saline & Drought Tolerance, Resistance to Insect & Disease) and Food Security

15:20 – 15:30 Mr. Douwe Zijp
President & CEO

East-West Seed International Ltd.

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15:30 – 15:40 Prof. Dr. Apichart Vanavichit
The Thai Center of Excellence on Rice Precision Breeding for Food Security, Quality and Nutrition ; National Science and Technology Development Agency (NSTDA), Thailand and Kasetsart University, Kamphangsane Campus

Smart Water Management for Sustainable Agriculture & Food Systems

15:40 – 15:48 **Smart Water Management in Paddy Field Thailand**

Dr. Watchara SuadeeSenior
Expert (Water Resource)
Agricultural Research Development Agency (ARDA), Thailand

Near Real Time Earth Observation For Water Resources & Food Security

15:48 – 15:56 Dr. Christiaan van der Tol*

15:56 – 16:04 Dr. Chris Mannaerts*

*Department of Water Resources
Faculty of Geo-Information Science and Earth Observation (ITC)
University of Twente, The Netherlands

Urban Food Waste & Loss; Value Added For Malnutrition to Zero Hunger

16:04 - 16:12 Ms. Nantaporn Thirapongphaiboon
Manager (Marketing & Fundraising)
Scholars of Sustenance (SOS) – Food Rescue Foundation

16:12 – 16:20 Ms. Britt Wijnands
Junior Account Manager
Instock, The Netherlands

16:20 – 16:30 Q&A

16:30 – 16:45 Concluding & Plenary Session

Coordinator :

Sarawut (Tel. 02-3095293 / MB 089-2057131)

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APPENDIX

Thailand and the Netherlands Climate Adaptation Conference 2021*

*a side event of the online Climate Adaptation Summit 2021

(Provisional) Conference Program

Date : Wednesday 17th March 2021

Time : **13:30 - 16:45 hours (Bangkok Time)**

Venue : The Athenee Hotel, Wireless Road, Bangkok and Virtual / Online via ZOOM

Agenda:

13:30 – 14:00	Registration and welcoming guests (for physical participants)
14:00 – 14:45	Plenary session
	- Welcome remarks by Ambassador Kees Rade
	- Thailand's Climate Adaptation Action , by H.E. Mr. Varawut Silpa-archa, Minister of Natural Resources and Environment, Thailand
	- The Netherlands' Road to Climate Adaptation , by Mr. Roald Lapperre, Director General for the Environment and International Affairs, Ministry of Infrastructure and Water Management, the Netherlands
	- The Adaptation Principles: A Guide for Designing Strategies for Climate Change Adaptation and Resilience , by Ms. Birgit Hansl, The World Bank Country Manager for Thailand, East Asia and Pacific
14:45 – 15:00	Signing ceremony of the Arrangement between Thailand and the Netherlands on the cooperation in the field of environmental management, climate change and circular economy (TBC)
15:00 – 15:15	Break
15:15 – 16:30	Break-out: Experts roundtable discussion
	Water Session : Nature-based Solutions for Coastal Erosion Challenges Topics of discussion <ul style="list-style-type: none"> - Flood protection (rehabilitating mangrove belts, optimizing flow patterns, restoring tidal dynamics) - Eco-Engineering (sand/mud engine, strategically placing fine sediment, applying mega nourishments, - Nature and biodiversity (facilitating coral development, restoring seagrass meadows, creating tidal parks)

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	<p><u>Agriculture & Food Session :</u></p> <p>“Required Collaboration for Resilient and Inclusive Agriculture & Food Value Chain”</p> <p><u>Topics of Discussion</u></p> <ol style="list-style-type: none"> 1. Plant Breeding for Adverse Conditions (Saline & Drought Tolerance, Resistance to Insect & Disease) and Food Security 2. Smart Water Management for Sustainable Agriculture & Food Systems. <ol style="list-style-type: none"> 2.1 Case Study on Smart Water Management in Paddy Field Thailand 2.2 Near Real Time Earth Observation For Water Resources & Food Security 3. Urban Food Waste & Loss; Value Added For Malnutrition to Zero Hunger <p>KEYWORDS: Satellite Agriculture; Digital Agriculture; Precision Agriculture; Circular Agriculture; Farming The Future; Urban Agriculture; Greenhouse Gas Emission; Low Carbon Development; Green Economy; Food Waste; Food Loss; Post Harvest; By-Products; Bio-Based Economy; Crop Breeding; Soil Degradation, Pest Resistant; Drought Tolerance; Saline Tolerance; Food Security; Sustainable Agri-Food Value Chain</p>
16:30 – 16:45	Concluding plenary session
	Report from the two break-out sessions
	Concluding remarks

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