




16-17 NOVEMBER 2021

NAKHON RATCHASIMA, THAILAND + ONLINE 

Day 1 Tuesday 16 November 2021

Time *	Main Room (Ground Floor)	Room A (2nd Floor)	Room B (2nd Floor)
09:30 - 10:30	Registration and Morning Coffee (Foyer, Ground Floor)		
10:30 - 11:00	Official Opening Ceremony (Main Room, Ground Floor)		
Morning session			
	SUSTAINABLE FOOD SYSTEMS moderator: MC	SUGARCANE PRODUCTION moderator: Assoc. Prof. Wirat Vanichsriratana, Director of Sugar Technology Program, Kasetsart University	CASSAVA PRODUCTION moderator: Dr. Gritayawan S. Pisaisook, Board Committee & Marketing Innovation, The Federation of Thai Industries
11:15 - 11:30	Results of the UN Summit - How to transform food systems by using modern technology - Thai perspective <i>Dr. Vanida Khumnirdpetch, Director of The Bureau of Foreign Agricultural Affairs, Ministry of Agriculture and Cooperatives (MOAC), Thailand</i>	Sugarcane Improvement in Thailand <i>Ms. Raweewan Chuekittisak, Agricultural Research Officer (Senior Professional Level), Khon Khean Field Crops Research Center, Field and Renewable Energy Crops Research Institute (FCRI), Department of Agriculture, Ministry of Agriculture & Cooperatives (MOAC), Thailand</i>	Tapioca Starch Industry Future <i>Mr. Anuwat Ruthaiyanont, President, Thai Tapioca Starch Association (TTSA), Thailand</i>
11:30 - 11:45	Results of the UN Summit - How to transform food systems by using modern technology - German perspective <i>Dr. Bernd Christiansen, Counsellor (Food and Agriculture), Embassy of the Federal Republic of Germany, Thailand</i>	Designs and Implementation of Controlled Traffic Farming For Sugarcane <i>Dr. Sirisak Choedkiatphon, Researcher and Lecturer, Department of Agricultural Engineering, Faculty of Engineering at Kamphaengsaen, Kasetsart University, Thailand</i>	Mechanization in Cassava in Thailand <i>Dr. Anuchit Chamsing, Director of Post-harvest Engineering Research Group, Agricultural Engineering Research Institute, Department of Agriculture, Ministry of Agriculture & Cooperatives (MOAC), Thailand</i>
11:45 - 12:00	The Future of Farming Technology through Collaboration for Sustainability <i>Mr. Prinn Panitchpakdi, Deputy Leader and Head of the Economic Team, Democrat Party, Thailand</i>	Essential Equipment for efficient Sugarcane Farming <i>Mr. Michael O'Connor, Director of Sales, Gessner Industries, Australia</i> 	Disease Free Cassava Planting Material Production in Cambodia – Status quo and Outlook <i>Mr. Torsten Münther, Economic Development Expert, GIZ, Germany / Cambodia</i>
12:00 - 12:15	Towards Transforming Agriculture and Growth in Thai AgTech Startup ecosystems <i>Ms. Montha Kaihirun, Innovation Counsellor Manager, National Innovation Agency (NIA), Thailand</i>	Sustainable Mechanization in Agriculture <i>Mr. Mark Brinn, Managing Director SE Asia and Japan, CNH Industrial, Thailand</i> 	Site-specific Fertilizer Management for Sustainable Cassava Production <i>Ms. Somrutai Tancharoen, Agricultural Research Officer (Senior Professional Level), Agricultural Production Science Development and Research Division, Department of Agriculture, Ministry of Agriculture & Cooperatives (MOAC), Thailand</i>

12:15 - 12:30	Application of Nonwoven Fabric on Sustainable Agriculture System <i>Dr. Natthaphop Suwannamek, Researcher, National Metal and Materials Technology Center (MTEC), Thailand</i>	Biomass waste baling with CLAAS machines - Show case of Sugarcane Residue Management in Thailand <i>Mr. Jens Striewe, Regional Sales Manager East Asia and Product Specialist Asia, CLAAS Regional Center South East Asia Limited, Germany / Thailand & Dr. Ekapop Pairam, Entrepreneur and President, 505 FarmTech Co., Ltd., Thailand</i> 	Panel Discussion / Q&A
12:30 - 12:45	Lunch Break (The Imperial Restaurant, Ground Floor)	Lunch Break (The Imperial Restaurant, Ground Floor)	Panel Discussion / Q&A
12:45 - 13:00			Lunch Break (The Imperial Restaurant, Ground Floor)
13:00 - 13:30			Lunch Break (The Imperial Restaurant, Ground Floor)
Afternoon session			
	AGRICULTURE 4.0 (I) - PRECISION AGRICULTURE moderator: MC	ON THE WAY TO ORGANIC FARMING? moderators: Ms. Ratti Veerawong, Project Coordinator, DLG Thai & Mr. Erik Guttelsroed, Division Manager Operations Management and Sustainability, DLG e.V.	WATER MANAGEMENT moderator: Ms. Thita Suvanaumbhai, Sales Manager, VNU Asia Pacific
13:30 - 13:45	Smart Farming in Thailand: Status Quo and Outlook <i>Dr. Dares Kittiyopas, Consultant of the Minister of Agriculture and Cooperatives (MOAC) and President of the Thai Society of Agricultural Engineering (TSAE), Thailand</i>	On the way to organic farming? Discussion between Young DLG (German Agricultural Society) + Young Smart Farmers Thailand 13:30 - 13:45 Introduction of the discussants 13:45 - 13:55 Presentation of Young DLG & the production system in Germany 14:05 - 14:20 Challenges for the management of a farm 14:20 - 14:35 Challenges for production on the field (fertilizer / diseases)	Management of the Chao Phraya River Basin <i>Mr. Santi Tem-lam, Director of Water Management Division, Royal Irrigation Department - Bureau of Water Management and Hydrology, Ministry of Agriculture & Cooperatives (MOAC), Thailand</i>
13:45 - 14:00	Precision Farming Technology for Crop Production <i>Mr. Piyanon Choonikorn, Key Account Manager, John Deere (Thailand) Limited, Thailand</i> 	13:55 - 14:05 Presentation of Young Smart Farmer & the production system in Thailand 14:05 - 14:20 Challenges for the management of a farm 14:20 - 14:35 Challenges for production on the field (fertilizer / diseases)	Salinity control in the Chao Praya River <i>Mr. Adisorn Champathong, Director of Hydrology Division, Royal Irrigation Department - Bureau of Water Management and Hydrology, Ministry of Agriculture & Cooperatives (MOAC), Thailand</i>
14:00 - 14:15	Delivering Satellite data to scale digital Agriculture <i>Mr. Steve Levay, Product Marketing Manager, PLANET, United States</i> 	14:35 - 14:50 Opportunities of regenerative / ecological agriculture for the future	Smart Water Operation Center (SWOC) <i>Mr. Lerboon Udomsap, Director of Water Watch and Monitoring System for Warning Division, Royal Irrigation Department - Bureau of Water Management and Hydrology, Ministry of Agriculture & Cooperatives (MOAC), Thailand</i>

14:15 - 14:30	How Satellite and UAV Technology help in building a sustainable agriculture industry <i>Ms. Panunya Charoensawadpong, Co-Founder, Varuna - AI & Robotics Ventures Co., Ltd., Thailand</i> 	1.) <i>Mr. Konrad Harbort, Farm Manager, Young DLG (German Agricultural Society), Germany</i> 2.) <i>Mr. Jan Große Kleimann, Farmer, Young DLG (German Agricultural Society), Germany</i> 3.) <i>Mr. Felix Hollmann, Farmer Business Consultant, Young DLG (German Agricultural Society), Germany</i> 4.) <i>Mr. Pongpat Kaewpanao, Young Smart Farmer, Kaewpanao Organic Farm, Thailand</i> 5.) <i>Mr. Pairoj Kirikaew, Young Smart Farmer, Din Dee Farm, Thailand</i>	Efficient Irrigation is the Key to Success <i>Mr. Kosum Sonkulpakdee, Sales and Service Manager, Röhren- und Pumpenwerk Bauer Gesellschaft m.b.H., Thailand</i>
14:30 - 14:45	Land use Management Observation (nature protection) <i>Ms. Netnapa Kaswiset, Agricultural Research Officer (Professional Level), Land Use Planning and Policy, Land Development Department, Ministry of Agriculture & Cooperatives (MOAC), Thailand</i>		Irrigated by considering soil depletion factor combination with soils moisture monitoring instrument for plants growth <i>Mr. Ratgon Suebkam, Agricultural Research Officer (Professional Level), Agricultural Production Science Development and Research Division, Department of Agriculture, Ministry of Agriculture & Cooperatives (MOAC), Thailand</i>
14:45 - 15:00	Integrated Data Platform for Value-Added Agriculture <i>Dr.-Ing. Opas Trithaveesak, Researcher, National Electronics and Computer Technology Center (NECTEC), Thailand</i>		Powered by Water <i>Mr. Patrick McConville, Business Development Director, Water Powered Technologies (WPT), Great Britain</i>
15:00 - 15:15	Knowledge requirement and limitation of Precision Agriculture on Tropical Fruits and Herbs Production in Thailand <i>Dr. Soontorn Pipithsangchan, Advisory Board Committee, Horticultural Science Society of Thailand (HSST), Thailand</i>	Coffee Break (Onsite: Exhibition area, Ground Floor Online: Virtual Café)	Panel Discussion / Q&A
15:15 - 15:30	Automotion and Robotics <i>Mr. Duncan Ross, Business Development Manager (Crops), Agri EPI Centre, Great Britain</i>		Coffee Break (Onsite: Exhibition area, Ground Floor Online: Virtual Café)
15:30 - 16:00	Coffee Break (Onsite: Exhibition area, Ground Floor Online: Virtual Café)		
	AGRICULTURE 4.0 (II) - SMART FARMING moderator: MC	PLANT PROTECTION moderator: Dr. Nils Borchard, Head of Research & Innovation, DLG e.V.	NEW MARKETS I - INNOVATIVE RESOURCES IN CROPS moderator: Thomas Koenig, Business Scout for Development Programme Advisor for development cooperation, DLG e.V.
16:00 - 16:15	Digital Technology Promotion for Thai Farmers <i>Dr. Preesan Rakwatin, Vice President, Digital Economy Promotion Agency (DEPA), Thailand</i>	Plant Protection: Status Quo & Outlook in Thailand <i>Mr. Pruethichat Punyawattoe, Entomologist (Senior Professional Level), Plant Protection Research and Development Office, Department of Agriculture, Ministry of Agriculture & Cooperatives (MOAC), Thailand</i>	Experience from the success story of the soybean in Central Europe <i>Mr. Leopold Rittler, Head of Research and Innovation, Donau Soja Association, Austria</i>

16:15 - 16:30	Agro-Meteorological Advisory and Digital Solutions for South East Asian Smallholder Farming <i>Mr. Vishnu Nair, Regional Director - Asia Pacific, Pessl Instruments GmbH, Austria / Malaysia</i>	Soil Sensing <i>Mr. Prasat Sangphanta, Senior Professional Agricultural Engineer, Agricultural Engineering Research Institute, Department of Agriculture, Ministry of Agriculture & Cooperatives (MOAC), Thailand</i>	Biorefinery Pathways for starch-based products: Insights from a European Commission's Biorefinery Outlook to 2030 study <i>Mr. Martin Behrens, Senior Advisor EU & International Affairs, Fachagentur Nachwachsende Rohstoffe e.V. (FNR), Germany</i>
16:30 - 16:45	Capacity Building - Development in Smart Agriculture Capacity (SUNSpACe Project) <i>Asst. Professor. Dr. Pradorn Sureephong, SUNSpACe Project Local Coordinator, Chiang Mai University (SUNSpACe Project), Thailand Ms. Aicha Sekhari Seklouli, Professor, University of Lyon (SUNSpACe Project), France</i>	Management of crop pests by smallholder farmers in Southeast Asia <i>Dr. Pepijn Schreinemachers, Lead Specialist – Impact Evaluation, World Vegetable Center, Taiwan</i>	Solutions for global food waste and labor <i>Dr. William T.H. Chang, CEO / Chairman, Lytone Enterprise, Inc., Taiwan</i>
16:45 - 17:00	Digital Extension Service Delivery <i>Dr. Surangsri Wapet, Chief of Local Wisdom and Agricultural Innovation Group, Agricultural Innovation Group, Department of Agricultural Extension, Ministry of Agriculture & Cooperatives (MOAC), Thailand</i>	Oz, the autonomous farming assistant <i>Mr. Gaëtan Séverac, CTO and co-founder, Naiio Technologies, France</i>	Regenerative Agriculture: Experiences from Thailand's Coconut Farms and Farmers <i>Ms. Lisa Faust, Project Manager, GIZ Bangkok, Thailand Ms. Alexandra Boisnic, Head of Sustainability, Harmless Harvest Thailand, Thailand</i>
17:00 - 17:15	Digital Platforms <i>Mr. Patcharapon Phopan, Young Smart Farmer, JAVA Farm, Thailand</i>	Biological Pest Management <i>Ms. Saowanit Popoonsak, Entomologist (Senior Professional Level), Plant Protection Research and Development Office, Department of Agriculture, Ministry of Agriculture & Cooperatives (MOAC), Thailand</i>	Impact of New Rules for Organic Production for the EU market <i>Mr. Tom Nizet, Managing Director, Authend Ltd., Great Britain</i>
17:15 - 17:30	Digital Networking between Farmers <i>Mr. Somkuan Rodthatsana, Young Smart Farmer, Makuan garden, Thailand</i>	Drones for crop stand evaluation <i>Mr. Wichai Opanukhul, Senior Professional Agricultural Engineer, Agricultural Engineer Research Institute, Department of Agriculture, Ministry of Agriculture & Cooperatives (MOAC), Thailand</i>	<p style="text-align: center;">Panel Discussion / Q&A</p>
17:30 - 17:45	Digital Transformation and Social Change in Agricultural Communities in Southeast Asia <i>Dr. Daniel McFarlane, Director of the Centre of Digital Technology & Society, Thammasat University School of Global Studies, Thailand</i>	<p style="text-align: center;">Panel Discussion / Q&A</p>	
17:45 - 18:00	Online Selling <i>Mr. Sakda Sangkanha, Young Smart Farmer, Maligood Co., Ltd., Thailand</i>		

Day 2 Wednesday 17 November 2021

Time	Main Room (Ground Floor)	Room A (2nd Floor)	Room B (2nd Floor)
	CLUSTERFARM FUTURE CONFERENCE moderators: Karsten Ziebell, Team Leader, AFCi & Thomas Bergmann, Longterm Specialist, AFCi	MAIZE PRODUCTION moderator: Kamolchanok Nantaburom, Senior Project Manager, VNU Asia Pacific	NEW MARKETS (II) - INNOVATIVE RESOURCES FOR FOOD AND FEED moderator: Mr. Nathan Preteseille, President, Asian Food and Feed Insect Association (AFFIA)
09:00 - 09:15	Policy Dialogue about Clusterfarm development <i>Mr. Kemkaeng Yutidhammadamrong, Director General, Department of Agricultural Extension, Ministry of Agriculture & Cooperatives (MOAC), Thailand</i>	Maize operation from planting to post-harvest management <i>Mr. Jens Striewe, Regional Sales Manager East Asia and Product Specialist Asia, CLAAS Regional Center South East Asia Limited, Germany / Thailand & Dr. Ekapop Pairam, Entrepreneur and President, 505 FarmTech Co., Ltd., Thailand</i> <div align="right">CLAAS</div>	Combined Crop and Fish production in Closed Circles <i>Dr. Kanchanaree Pongchawee, Senior Expert on Aquaculture System technology, Inland Aquaculture Research and Development, Department of Fisheries, Ministry of Agriculture & Cooperatives (MOAC), Thailand</i>
09:15 - 09:30	Future outlook of Clusterfarm development <i>Mr. Khajorn Raoprasert, Deputy Director General, Department of Agricultural Extension, Ministry of Agriculture & Cooperatives (MOAC), Thailand</i>	Sustainable Commercial Maize Production and Circular economy <i>Mr. Benjamin Bootle, Managing Director, Agribusiness Asia Group Co.,Ltd., Thailand</i>	Production Management and Market Opportunities of Seaweed in Thailand for Future Food and Sustainable Use of Resources <i>Ms. Montakan Tamtim, Director, Samutsakorn Coastal Aquaculture Research and Development Center, Research and Development Division, Department of Fisheries, Ministry of Agriculture & Cooperatives (MOAC), Thailand</i>
09:30 - 09:45	Thai-German Clusterfarm Project <i>Ms. Svenja Fuhrmann, Executive Officer, Division 624, International Projects, Twinning, Federal Ministry of Food and Agriculture (BMEL), Germany & Mr. Karsten Ziebell, Team Leader German-Thai Cooperation Project to Promote the Sustainable Development of Cluster Farms in Thailand, AFC, Thailand</i>	Driving Productivity through Technology: Creating wealth in Farming <i>Ms. Jiraporn Chaiyasan, CEO, Agribusiness Asia Group Co.,Ltd., Thailand</i>	Controlled production of Microalgae for food and feed <i>Dr. Stefan Hindersin, Head of Department Sea & Sun Organic, Sea & Sun Technology GmbH, Germany</i>
09:45 - 10:00	German Machinery Rings – A Mechanization Model for Clusterfarms? <i>Mr. Andreas Hastedt, Director, German Association of Machinery Rings, Germany</i>	Panel Discussion / Q&A	The Asian Food and Feed Insect industry: an update <i>Mr. Nathan Preteseille, President, Asian Food and Feed Insect Association (AFFIA), Thailand / France</i>
10:00 - 10:15	Group counselling as an approach for clusterfarms <i>Mr. Erik Guttulrsöd, Division Manager Operations Management and Sustainability, German Agricultural Society (DLG), Germany</i>	Coffee Break (Onsite: Exhibition area, Ground Floor Online: Virtual Café)	Panel Discussion / Q&A
10:15 - 10:30	Panel Discussion / Q&A		Coffee Break (Onsite: Exhibition area, Ground Floor Online: Virtual Café)
10:30 - 11:00	Coffee Break (Onsite: Exhibition area, Ground Floor Online: Virtual Café)		Coffee Break (Onsite: Exhibition area, Ground Floor Online: Virtual Café)

		RICE PRODUCTION AND PROCESSING moderator: Mr. Martin Gummert, Senior Scientist, IRR1	INDOOR/VERTICAL FARMING moderator: Ms. Christine Zimmermann-Loessl, Chairwoman and Co-Founder, Association for Vertical Farming
11:00 - 11:15	<p>"Small farmers, Large Field" supported by mechanization and digital agriculture for rice production in Vietnam</p> <p><i>Mr. Nguyen Van Hung, Scientist, International Rice Research Institute (IRRI), Vietnam</i></p>	<p>Conventional rice seeding technologies compared with APV precision direct seeding rice technology</p> <p><i>Mag. Igor Dolinar, Key Account Manager, APV Technische Produkte GmbH, Austria</i></p>	<p>The Transforming Power of Vertical Farming</p> <p><i>Ms. Christine Zimmermann-Loessl, Chairwoman and Co-Founder, Association for Vertical Farming, Germany</i></p>
11:15 - 11:30	<p>Highlights of the success and challenges of their clusterfarm, and the future outlook (Rice)</p> <p><i>Mr. Paithoon Fangkam, Clusterfarm manager, Clusterfarm of smart rice farming in Phak Mai Subdistrict, Huai Thap Than District, Sisaket Province, Thailand</i></p>	<p>Lessons Learned from the Closing Rice Yield Gaps in Asia (CORIGAP) project in Thailand</p> <p><i>Ms. Duangporn Vithoonjit, Senior Rice Researcher, Chainat Rice Research Center, Thailand</i></p>	<p>Challenges and Opportunities in Indoor Urban Farming</p> <p><i>Mr. Ralph Becker, CEO and Founder, Urban Greens, Philippines</i></p>
11:30 - 11:45	<p>Highlights of the success and challenges of their clusterfarm, and the future outlook (Cassava)</p> <p><i>Mr. Chaloen Hoekkhunthod, Clusterfarm Manager, Cassava clusterfarm in Non Mueang Phatthana Subdistrict, Dan Khun Thot District, Nakhon Ratchasima Province, Thailand</i></p>	<p>Automation on cereal storage</p> <p><i>Mr. Iacopo Meghini, CEO, Metalmont s.r.l., Italy</i></p>	<p>How can we use vertical farm for purposes other than vegetable production</p> <p><i>Dr. Siriwat Sakonwasee, Associate Professor, Mae Jo University, Thailand</i></p>
11:45 - 12:00	<p>Highlights of the success and challenges of their clusterfarm, and the future outlook (Sugarcane)</p> <p><i>Mr. Dilok Pinyosree, Clusterfarm Manager, Sugarcane clusterfarm in Nong Khon Thai Subdistrict, Phu Khiao District, Chaiyaphum Province, Thailand</i></p>	<p>Increase of profit by management of paddy and rice during storage</p> <p><i>Dr. Claus M. Braunbeck, Sales Manager (Asia), FrigorTec GmbH, Germany</i></p>	<p>Control options for monitoring of plant-growth relevant parameters in indoor farming</p> <p><i>Mr. Harald Braungardt, CEO, Step Systems GmbH, Germany</i></p>
12:00 - 12:15	Panel Discussion / Q&A	<p>Food safety and security - our focus for the future</p> <p><i>Mr. Rustom Mistry, Senior Vice President - Asia Pacific Managing Director, Ag Growth International (Thailand) Ltd., Canada</i></p>	Panel Discussion / Q&A
12:15 - 12:30	Lunch Break (The Imperial Restaurant, Ground Floor)	<p>Postharvest issues: Bringing technology and financing together</p> <p><i>Mr. Tom de Bruin, Director, Green Postharvest Solutions (GPS), Philippines</i></p>	Lunch Break (The Imperial Restaurant, Ground Floor)
12:30 - 12:45		<p>Training, traceability and certification</p> <p><i>Mr. Peter Sprang, Value Chain Development Specialist, International Rice Research Institute (IRRI), Philippines</i></p>	

12:45 - 13:00	Panel Discussion / Q&A
13:00 - 13:30	Lunch Break (The Imperial Restaurant, Ground Floor)
13:30 - 17:00	Farm Visit
13:30	Buses leave to 505 FarmTech - CLAAS farm
14:30	Demonstrations at 505 FarmTech - CLAAS farm
16:00	Buses leave to Imperial Hotel
14:30 - 16:00	Online Special by Dutch Embassy Pest Management for Sustainable Horticulture; Experience from the Netherlands moderator: Dr. Gijs Theunissen DVM, Dutch Agricultural Counsellor
14:30 - 14:35	Introduction & Welcome Remark <i>Dr. Gijs Theunissen DVM , Dutch Agricultural Counsellor</i>
14:35 - 14:55	Key Element for Sustainable Pesticide Management <i>Ms. Mechteld ter Horst</i> <i>Scientist, Wageningen University and Research</i>
14:55 - 15:15	Biological Control in Dutch Horticulture Industry <i>Mr. Evert Hamblok</i> <i>Koppert B.V.</i>
15:15 - 15:35	The Importance of Plant Variety Protection <i>Mr. Marien Valstar</i> <i>The Netherlands Ministry of Agriculture, Nature and Food Quality</i>
15:35 - 15:55	Panel Discussion / Q&A
15:55 - 16:00	Words of thanks & closing <i>Dr. Gijs Theunissen DVM</i>

*Updated on 15 November 2021, times in ICT | UTC + 7

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