

2019 WFE Nexus International Workshop

Internationalization and Academic Exchanges

時間：2019.02.19 (週二) 早上：9:00 ~12:30

地點：台灣大學 水工試驗所 4樓 會議室

Ideas → Solutions



主辦單位：國立台灣大學 生農學院 生物環境系統工程學系

協辦單位：科技部、台灣大學水工試驗所、台灣農業工程學會、
台灣水文資訊學會、七星農田水利研究發展基金會

報名連結：



MOST 科技部
Ministry of Science and Technology





2019 WFE Nexus International Workshop

Internationalization and Academic Exchanges

Chair: Fi-John Chang, Distinguished Professor, National Taiwan University (NTU)

Conveners: Chihhao Fan & Ming-Che Hu, Professors, Department of Bioenvironmental Systems Engineering, NTU

Time: 8:30 am – 12:30 noon at Conference Room (4F), Hydrotech Research Institute (HRI), NTU

Time	Agenda
8:30 – 9:00	Registration
9:00 – 9:10	Opening Remarks Huu-Sheng Lur, Dean, College of BioResources and Agriculture, NTU Fi-John Chang, Distinguished Professor, Department of Bioenvironmental Systems Engineering, NTU
9:10 – 9:30	Georges Vachaud, Emeritus Senior Scientist, French National Research Council CNRS, France Topic: HoChiMinh City Facing Flooding Risks. Facts and Possible Mitigations
9:30 – 9:50	Luis F. Rodriguez, Associate Professor, University of Illinois at Urbana-Champaign, USA Topic: The Current State of the INFEWS-ER Virtual Resource Center: An Update and An Invitation
9:50 – 10:10	José Vicente Caixeta-Filho, Professor, University of São Paulo-Escola Superior de Luis de Queiroz (ESALQ), Brazil Topic: Evaluation of Public Policies for the Development of Green Corridors to Agro-Logistics in Brazil
10:10 – 10:30	Jin-Yong Choi, Professor, College of Agriculture and Life Sciences, Seoul National University, Korea Topic: SNAK(Smart Nexus for Agriculture in Korea)_Korea Agricultural Nexus Platform for Climate Change Impact Analysis
10:30 – 10:50	Poster Session Coffee Break
10:50 – 11:10	Makoto Taniguchi, Professor, Research Institute for Humanity and Nature (RIHN), Japan Topic: Multi-scale Water-Energy-Food Nexus
11:10 – 11:30	Shang-Lien Lo, Distinguished Professor, Graduate Institute of Environmental Engineering, NTU Topic: Bridging Food, Energy and Water Nexus
11:30 – 11:40	Huu-Sheng Lur, Dean, College of BioResources and Agriculture, NTU Topic: Assessing the Water-Energy-Food Nexus of Crop Production under Different Cultivation Systems
11:40 – 11:50	Chihhao Fan, Chairman, Department of Bioenvironmental Systems Engineering, NTU Topic: Sustainability Evaluation of Urbanization on Water-Energy-Food Nexus Using Simultaneous Equation Analysis
11:50 – 12:00	Ming-Che Hu, Associate Professor, Department of Bioenvironmental Systems Engineering, NTU Topic: System Dynamic Modeling of Water-Food-Energy Nexus in Taiwan
12:00 – 12:10	Tailin Huang, Assistant Professor, Department of Urban Planning, National Cheng Kung University Topic: Urban Metabolic Computing: An Innovative Concept for Analyzing Disaster Risk
12:10 – 12:20	Pierre-Alexandre Château, PhD, Department of Bioenvironmental Systems Engineering, NTU Topic: Ecological Impacts of Floating Solar Panels on Fish Ponds
12:20	Closing Remarks





2019 WFE Nexus Stakeholder Meeting

Internationalization and Academic Exchanges

Chair: Fi-John Chang, Distinguished Professor, National Taiwan University (NTU)

Time: 1:45 pm – 5:00 pm at Shi-Sunfu Conference Room (2F), Dept. of Bioenvironmental Systems Engineering, NTU

Time	Agenda
1:45 – 2:00	Registration
2:00 – 2:10	Jin-Yong Choi, Professor, College of Agriculture and Life Sciences, Seoul National University, Korea Topic: SNAK(Smart Nexus for Agriculture in Korea)_Korea Agricultural Nexus Platform for Climate Change Impact Analysis
2:10 – 2:20	Georges Vachaud, Emeritus Senior Scientist, French National Research Council CNRS, France Topic: Sinking Asian Coastal Megacities and Deltas; Application to South Vietnam
2:20 – 2:30	José Vicente Caixeta-Filho, Professor, University of São Paulo-Escola Superior de Luis de Queiroz (ESALQ), Brazil Topic: Evaluation of Public Policies for the Development of Green Corridors to Agro-Logistics in Brazil
2:30 – 2:40	Makoto Taniguchi, Professor, Research Institute for Humanity and Nature (RIHN), Japan Topic: Stakeholder engagement for FEW nexus
2:40 – 2:50	Luis F. Rodriguez, Associate Professor, University of Illinois at Urbana-Champaign, USA Topic: The Current State of the INFEWS-ER Virtual Resource Center: An Update and An Invitation
2:50 – 3:00	Huu-Sheng Lur, Dean, College of BioResources and Agriculture, NTU Topic: Water-Energy-Food Nexus: Using Life Cycle Assessment (LCA) to Evaluate the Crop Cultivation Models in Taiwan
3:00 - 3:20	Coffee Break
3:20 – 3:30	Chihhao Fan, Chairman, Department of Bioenvironmental Systems Engineering, NTU Topic: Empirical Sustainability Comparison of FWE Nexus Between Urban and Rural Areas in Taiwan
3:30 – 3:40	Ming-Che Hu, Associate Professor, Department of Bioenvironmental Systems Engineering, NTU Topic: Urban Metabolic Analysis of Food-Water-Energy System Using System Dynamics Simulation
3:40 – 3:50	Tailin Huang, Assistant Professor, Dept. of Urban Planning, National Cheng Kung University Topic: An Urban Nexus-based Approach to Critical Infrastructure Protection (CIP)
3:50 – 4:00	Su-Ting Cheng, Assistant Professor, School of Forestry and Resource Conservation, NTU Topic: Effects of Urban Forest Maintenance on Ecosystem Services in Taipei
4:00 – 4:10	Angela Huang, Department of Bioenvironmental Systems Engineering, NTU Topic: The Rooftop Farming as the Promising Solutions of the Water-Food-Energy Nexus at City Scale
4:10 – 5:00	Discussion
5:00	Closing Remarks

