

“International Expert Workshop on Water Energy Food Nexus: Challenges and Opportunities in Mekong Region”

22-23 January, 2015
Asian Institute of Technology, Thailand



Program Schedule

Day 1: Thursday, 22 January
Venue: Auditorium Hall, AITCC

Opening Session		
8:30 – 9:00	Registration & Networking	
9:00 – 9:10	Introduction and objectives of the workshop	Dr. Sangam Shrestha, AIT, Thailand
9:10 – 9:20	Welcome Remarks	Prof. Worsak Kanok-Nukulchai, President, AIT, Thailand
9:20 – 9:30	Briefing on SEA EU NET II Project	Dr. Anil K. Anal, AIT, Thailand
9:30 – 10:00	Key note speech: Nexus Nirvana or Nexus Nullity?: A dynamic approach to security and sustainability in the water-energy-food nexus	Mr. Dipak Gyawali, Former Minister of Water Resources Nepal and Chairperson of Nepal Water Conservation Foundation
10:00 – 10:10	Group Photo	
10:10-10:30 (Coffee/Tea Break)		
Session -1: Understanding the Water Energy Food Nexus		
Chair: Prof. Mukand S. Babel		
10:30 – 10:55	Complex Issues in a Dynamic Environment: The Water-Energy-Food Nexus on the Ayeyarwady	Dr. Eric Kemp-Benedict, Centre Director, Asia, Stockholm Environment Institute (SEI)
10:55 – 11:20	Water-Energy-Food Foresight for Sustainable Economic Development and Eco-Resilience in ASEAN Countries	Dr. Surachai Sathitkunnarat, Executive Director, APEC Center for Technology Foresight (APEC-CTF), Director, Energy and Environment Department, National Science Technology and Innovation Policy Office (STI), Thailand
11:20 – 11:45	Water nexus: a European view	Dr. Michael van der Valk, Scientific Secretary of the Netherlands National Committee IHP-HWRP, The Netherlands
11:45 – 12:15	Discussion	All
12:15-14:00 (Lunch Break-AITCC)		

Session -2: Water Energy Food Nexus : Challenges, opportunities and case studies		
Chair: Dr. Michael van der Valk and Dr. Sangam Shrestha		
14:00 – 14:25	The Water-Food-Energy Nexus: Technology Innovation in the Mekong and Beyond	Dr. Anthony Watanabe, Managing Director, Asia Clean Innovations
14:25 – 14:50	Scenarios for Resilience: Managing Uncertain Future on the Water Energy Food Nexus	Professor Dr. Raffaele Zanolì, Department of Agricultural, Food and Environmental Sciences – Università Politecnicadelle Marche, Italy
14:50 – 15:15	Integrative low carbon and less water rice cultivation technique using biochar combined with alternate wet and dry (AWD) system	Dr. Sirintornthep Towprayoon, Director The Joint Graduate School of Energy and Environment Center of Excellence on Energy Technology and Environment King Mongkut’s University of Technology Thonburi, Thailand
15:15 – 15:40	The water-energy nexus of the Chinese Irrawaddy catchment	Dr. Thomas Hennig Scientific Assistant, Philipps-Universität Marburg Faculty of Geography, Germany
15:40 – 16:00	16:00-16:20 (Coffee/Tea Break)	
16:00 – 16: 25	Water and energy nexus: cases of urban water supply system in Thailand and Japan	Prof. Mukand S. Babel, Asian Institute of Technology, Thailand
16:25 – 16:50	Water-Energy-Carbon nexus in cities- Cases from New Delhi and Bangkok	Dr. Shobhakar Dhakal, Asian Institute of Technology, Thailand
16:50 – 17:15	Securitizing the Water-Food-Energy Nexus in Asia and the Pacific	Dr. Hezri Adnan, Program Director Technology, Innovation, Environment & Sustainability (TIES), Institute of Strategic and International Studies (ISIS) Malaysia
18:00	Welcome Reception	

Day 2: Friday, 23 January
Venue: Auditorium Hall, AITCC

Session -3: Water food and energy management issues: country perspectives		
Chair: Dr. Thomas Hennig		
9:00 – 9:25	Water-Food-Energy Nexus / Integrated Water Resources Management in the Sesan River: the Experience of the EU STRIVER twinning project	Dr Antonio Loporto , Researcher, RSA-CNR - Water Research Institute, Italy
9:25 – 9:50	Value chain approach to reducing postharvest losses of vegetables in Southeast Asia	Dr. Antonio Acedo, Postharvest Specialist AVRDC-The World Vegetable Center South Asia Regional Office ICRISAT campus, India
9:50 – 10:15	Status of water, energy and food security in Vietnam: Need an integrated solution	Dr. Nguyen Mai Dang – Thuyloi University – Hanoi, Vietnam
10:15 – 10:40	High performance computing for flood and inundation modelling along the Mekong River	Dr. Adrian Wing-Keung Associate Professor, School of Civil and Environmental Engineering, Nanyang Technological University (NTU), Singapore

10:40-11:00 (Coffee Break)

Technical Session 4: Panel Discussion on ‘Water Energy Food Nexus: Challenges and Opportunities in Mekong Region’

11:00 – 12:30

Presentation: Dr. Thanapon Piman

Addressing water, energy and food security nexus in transboundary river basin management for the Lower Mekong Basin (LMB)

Moderator: Prof. Mukand S. Babel

Panelists

- **Mr. Dipak Gyawali**
- **Dr. Chanseng Phongpachith**
- **Dr. Michael van der Valk**
- **Dr. Surachai Sathitkunarath**
- **Dr. Nguyen Mai Dang**
- **Dr. Sok Chamroeun**
- **Dr. Thomas Hennig**

12:30-13:30 ((Lunch Break-AITCC)

Session 5: Match Making Event

13:30 – 15:00

Facilitator: Dr. Abdul P. Salam, Dr. Michael van der Valk

Rapporteur: Mr. Pallav K. Shrestha

Topic	HORIZON 2020 - Climate Action, Environment, Resource Efficiency and Raw Materials	
15:00 – 15:20	Summary and way forward	Dr. Anil K. Anal, Dr. Sangam Shrestha, AIT, Thailand
15:20	Closing Remarks	Dr. Abdul P. Salam , AIT, Thailand