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Strengthening collaboration network between Thailand and China in the field of environment and sustainable development

Thailand-China's Collaboration on Sustainable Watershed Development in the context of the "Future Earth" Program and future opportunities

5 August 2022

09.00-11.30 hrs

Bangkok Time ICT
(Indochina time)
UCT/GMT +7 hours

10:00 - 12:30 hrs

Beijing time ICT
(Indochina time)
UCT/GMT +8 hours

Background and Rationale

China and Thailand are two important developing countries in the Belt and Road Region with different development patterns but the same sustainable development goals. However, both countries are facing environmental pressures and ecological risks due to the rapid and continuous developments of agriculture, industrialization, and urbanization. These pressures are further exacerbated in the context of global climate change. As a consequence, both countries are threatened by various water-related risks, such as aquatic environment degradation and water resources shortage.

Watershed is an important concept which not only regulates a hydrological system but also formulates a socioeconomic and political unit to properly manage the available natural resources. Intensified and unsustainable demand and development of watersheds results in severe deteriorations in land, water, soil, and biota resources today. Sustainable management of watersheds is of great essentials in improving the service of

ecosystem, quality of life of people, and bring potential economic benefits.

The China-Thailand collaboration on Watershed Sustainable Development in the context of the "Future Earth" program co-funded by the National Research Council of Thailand (NRCT) and National Natural Science Foundation of China (NSFC) has been initiated since 2017 and achieved productive research outputs through close cooperation of the scientists from the two countries over the past several years. This webinar aims to summarize and report the core research achievements of the "Future Earth" program and to discuss future collaboration opportunities in the field of sustainable water and watershed management. The expansion of such research collaborations are expected to extensively support policy-makers and watershed managers to strategize and optimize the development policy and practice for Asian developing countries in order to meet the UN's 2030 agenda on sustainable development.

Dr. Wenchao Xue

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PROGRAM

9:00 – 9:05	Welcome Remarks	 Prof. Shobhakar Dhakal Vice President for Academic Affairs
9:05 – 9:10	Opening Remarks	 Dr. Wiparat De-ong Executive Director, National Research Council of Thailand
9:10 – 9:15	Opening Remarks	 Prof. Yongtao Zhang Deputy Director General, The Bureau of International Cooperation, National Natural Science Foundation of China
9:15 – 9:45	keynote speakers	Project 1: A Comparative Study on The Change of Hydrological Process and Fluxes in The Jiulong and Chao Phraya River Basins under Changing Climate
		 Prof. Dawen Yang Tsinghua University  Dr. Jerasorn Santisirsom Ramkhamhaeng University
9:45 – 10:15	keynote speakers	Project 2: Watershed based Adaptation to Climate Change: A Comparative Study between Jiulong River(China) and Chao Phraya River (Thailand)
		 Prof. Jinliang Huang (tbc) Xiamen University  Prof. Vilas Nitivattananon Asian Institute of Technology
10:15 – 10:45	keynote speakers	Project 3: Biogeochemical changes and adaptation mechanisms in response to anthropogenic impacts in watersheds: A comparative study between Jiulong River (China) and Chao Phraya River (Thailand)
		 Prof. Shen Yu (tbc) Institute of Urban Environment, CAS  Dr. Wenchao Xue Asian Institute of Technology
10:45 – 11:25	Panel Discussion: Strengthening Research Cooperation and Networking for Sustainable Watershed Management	Moderator: Dr. Wenchao Xue Director of AIT Belt and Road Research Center
		Panelists: Prof. Dawen Yang Dr. Jerasorn Santisirsom Prof. Jinliang Huang
		Prof. Vilas Nitivattananon Prof. Shen Yu Dr. Thada Sukhapunnaphan
11:25 – 11:30	Wrap-up and Closing Remarks	 Dr. Monthip Sriratana Senior Advisor, National Research Council of Thailand

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