

# The 2<sup>nd</sup> AIT-BNU Joint Virtual Workshop on “Water, Health, and Ecosystems: Current Challenges and Opportunities”

17th December 2020, Thursday

8:30 AM [BANGKOK TIME] | 9:30 AM [BEIJING TIME]



## BACKGROUND

With the rapid development of economy, urbanization and population growth globally, the water shortage becomes an essential social issue increasingly. The water shortage, which may be caused by the climate change, such as more frequent and intensified drought and/or water pollution may in turn has a large impact on the watershed or coastal ecosystems, fresh water sustainability, etc. The water shortage, water pollution and together with the degradation of ecosystems may in turn threaten the livelihood and human health eventually. The mechanisms underlying the water quantity and quality on human health and ecosystems, its major driving factors and responses of ecosystems to the water changes under climatic and anthropic influences is still not fully understood. Therefore, the International Workshop on ‘Water, Health, and Ecosystems: Current Challenges and Opportunities’ seeks to create a platform to present the current state of knowledge regarding the advanced methodologies, current progress and challenges, future opportunities in water-health-ecosystems management.

## HOST ORGANIZERS

Asian Institute of Technology  
College of Water Sciences, Beijing Normal University  
AIT Belt and Road Research Center

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## CONTACT

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## PROGRAM

- 8:00 – 8:30 AM Welcome & Registration
- 8:30 – 8:50 AM Opening Remarks  
[Dr. Eden Woon, AIT President](#)  
[Prof. Cheng Hongguang, Dean, CWS BNU](#)
- 8:50 – 11:30 AM Technical Sections  
[Section A-1: Assessment in water quality and ecosystem degradation](#)  
[Section B-1: Remote sensing, field observation and combined use of multiple technologies](#)
- 11:30 – 1:00 PM Lunch Break
- 1:00 – 3:40 PM Technical Sections  
[Section A-2: Ecosystem responses to climatic and/or anthropic influences](#)  
[Section B-2: Integrated modelling on water quantity and quality](#)
- 3:40 – 4:00 PM Break
- 4:00 – 4:30 PM [Panel Discussion: Water, Health, and Ecosystems: Challenges and Opportunities under the Framework of Belt and Road Initiative](#)
- 4:30 – 4:40 PM Closing Remarks