



# Big Earth Data for the Sustainable Development Goals (SDGs)

**12 & 14 Oct 2021**

15:00-16:00 hrs

16:00-17:00 hrs

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

## Background and rationale

The Digital Belt and Road Program (DBAR) initiated in 2016 by the Chinese Academy of Sciences is aiming to improve environmental monitoring, promote data sharing and support policymaking using big data on Earth observations. With a strong regional collaboration, DBAR has committed to put its research effort on investigating indices and indicators to feed into the United Nations Agenda 2030 and the Sustainable Development Goals (SDGs) and deliver an open access data platform for the researchers, policymakers and the public for tracking and studying the development and changes in the Belt and Road Region.

As a main partner of the DBAR International Center of Excellence – DBAR ICoE Bangkok, AIT has actively led and participated in various academic activities, including funded research projects, regional and national seminars, etc. under the scope of DBAR. To further facilitate the knowledge and experience exchange between AIT and DBAR program, the AIT Belt and Road Research Center is pleased to jointly host this Webinar Series on “Big Earth Data for the Sustainable Development Goals (SDGs)” with partners - the National Research Council of Thailand (NRCT), Mahidol University (MU), and DBAR.

## Program

**12 Oct 2021**

15:00-16:00  
(BKK)



### SDG 6 Clean water & sanitation

Surface water quality monitoring and assessment using remote sensing

**Prof. Junsheng Li**

Aerospace Information Research Institute,  
Chinese Academy of Sciences

16:00-17:00  
(BKK)



### SDG 2 Zero hunger

Big Earth Data in Support of Sustainable Crop Production System

**Dr. Lijun Zuo**

Information Research Institute,  
Chinese Academy of Sciences

**14 Oct 2021**

15:00-16:00  
(BKK)



### SDG 14 Life below water

Application of Earth Observation technology for coastal environmental monitoring and assessment

**Prof. Haifeng Gu**

Third Institute of Oceanography  
Ministry of Natural Resources, China

16:00-17:00  
(BKK)



### SDG 11 Sustainable cities and communities

Big Earth Data in support of the Urban Sustainable Development

**Dr. Qiang Xing**

International Research Center of Big Data for Sustainable Development Goals

**Register Here**



### CONTACT

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## **Prof. Junsheng Li**

Aerospace Information Research  
Institute, Chinese Academy of Sciences

Dr. Junsheng Li works in Aerospace Information Research Institute, Chinese Academy of Sciences as a professor. His research interests focus on remote sensing of water environment. He has published more than 100 papers, and received the second prize of China national technology invention award, and the outstanding scientific and technological achievement award of Chinese Academy of Sciences. Some achievements have been reported by news media including China Central Television (CCTV), and academic organizations including the International Ocean-Colour Coordinating Group (IOCCG). He has been appointed as an editorial board member of the Journal of Remote Sensing, and a lecturing professor of the University of the Chinese Academy of Sciences.



## **Dr. Gu Haifeng**

Third Institute of Oceanography, Ministry of  
Natural Resources, China

Dr. Haifeng Gu is a senior researcher in Third Institute of Oceanography, Ministry of Natural Resources, China. He obtained a PhD degree on Ecology from Ocean University of China in 2007. His main research interests include harmful algal blooms, the ecological consequence of eutrophication and taxonomy of harmful microalgae. He has published more than 100 peer reviewed paper in international journals and now is serving the editorial board of Harmful Algae, and Journal of Applied Oceanography.



## **Dr. Lijun Zuo**

Aerospace Information Research  
Institute, Chinese Academy of Sciences

Dr Lijun Zuo is an Associate Professor at the Aerospace Information Research Institute, and International Research Center of Big Earth Data for Sustainable Development Goals. She is also deputy director of National Engineering Research Center for Remote Sensing Applications. Her scientific career encompasses remote sensing of land use change, and its impacts on food security and agriculture sustainability. She is the coordinator author of Chapter SDG2 Zero Hungry in the annual report — Big Earth Data in Support of the Sustainable Development Goals. She manages several research programmes emphasizing land use change and its impacts on sustainability of agriculture, and funded by NSFC, Ministry of Science and Technology, etc. Her researches were published in scientific journals including Nature Sustainability.



## **Dr. Qiang Xing**

International Research Center of Big Data  
for Sustainable Development Goals

Dr. Xing Qiang, Assistant Professor at Aerospace Information Research Institute, Chinese Academy of Sciences, mainly engaged in the study of urban sustainability related to the United Nations Sustainable Development Goals 11. He has undertaken and participated in more than 10 projects from Natural Science Foundation of China, the Young Talents Program of the Chinese Academy of Sciences, World Bank and so on. He has published more than 13 SCI academic papers, and participated in writing 6 monographs.