

2022
EDITION



Belt & Road Research Center Annual Report



*Regional collaboration
in sustainability
for the Future*



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Annual Report 2022

AIT Belt and Road Research Center

Introduction of the Center

AIT Belt and Road Research Center (BTRC) was established in late 2019, and its vision is to serve as an International hub for collaborative and innovative research towards robust economic growth and sustainable development in the Belt and Road region.

AIT BTRC's mission covers enhancing AIT's Belt & Road projects, promoting collaboration with China's and other Belt & Road Countries' Universities and Organizations, supporting young scholars/students' research and study in the region with Belt & Road fellowships/scholarships, and disseminating the related collaborative outcomes with wider community through Regional/International Belt & Road Conferences.

As an International Education/Research Institute with diversified students and researchers from all over the world, AIT is in well connection in the Belt & Road Countries and has constructed excellent networks that provide great advantages to support BTRC to fulfill its goals in the future.

AIT Belt and Road Research Center

A warm welcome from the **AIT Belt & Road Research Center (BTRC)**! Our Center aims to serve as an International hub for collaborative and innovative research towards robust economic growth and sustainable development in the Belt and Road Region. Together with our BTRC team, we look forward to bringing impactful research and engagements with our partners and stakeholders in the Region.

Director's message

Associate Professor
Department of Energy,
Environment,
and Climate Change,
School of Environment, Resources,
and Development

Director
Belt and Road Research Center,
Asian Institute of Technology



Dr. Wenchao Xue

A handwritten signature in black ink, appearing to be 'Wenchao Xue', written over a white background.

Activities & Engagement

Hosting "The AIT Belt and Road Research Center Webinar Series"

AIT BRRC Webinar Series #1-5 June 2021 ~ June 2022



PROFILES OF THE SPEAKERS

H.E. Djomart Otorbayev
Former Prime Minister of Kyrgyzstan

Prof. Billang Hu
Executive Dean, Belt and Road School, Beijing Normal University

Prof. Denis Simon
Professor, Duke University

Dr. Eden Woon
President of Asian Institute of Technology

Dr. Wenchao Xue
Director, AIT Belt & Road Research Center

Dr. Salvatore G.P. Virdis
Asian Institute of Technology

Dr. Skbordin Waijalkit
Asian Institute of Technology

Ms. Withanage Dulani Chamika
Kyushu Institute of Technology, Japan

Dr. Wenchao Xue
Director of AIT Belt and Road Research Center

Dr. Deepak Sharma
Director, AIT Centre for Global Challenges

JIN LIQUAN
President of the Board of Directors

Dr. Eden Woon
President of Asian Institute of Technology

Dr. Dongqi Hua
CEO, ASIA ERA One Co., LTD.

Dr. Suradet Pravinroongvuth
Member of Parliament at National Assembly of Thailand

Dr. Wenchao Xue
Director, AIT Belt & Road Research Center

Dr. Eden Woon
President of AIT

Dr. Wiparat De-ong
Executive Director, National Research Council of Thailand

Prof. Jinhua Cao
Executive Director, ANSO Secretariat

Prof. Chongrak Polprasert
Executive Director, Research Center for Eco-Environmental Sciences

Prof. Gang Liu
Professor of Eco-Environmental Research Center, Chinese Academy of Sciences

Dr. Chayawe Wacharoenung
Director of Domestic Wastewater Subdivisions Management Division Pollution Control Department

Mr. Hal Cen
HEXU Environment Science and Technology

Prof. Min Yang
Deputy Director of Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences

Prof. Yuansong Wei
Professor, Director, Laboratory of Water Pollution Control Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences



Activities & Engagement

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

Thailand-China Webinar Series # 1-4 June ~ September 2022



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| <p>Webinar Series #1: SDG 6 Challenges through T-Industry-Academia Linkage in The Belt and Road</p> <p>13:00-16:00 hrs 14:00 - 17:00 hrs (Indochina time) (UTC/GMT+7 hours)</p> <p>Welcome Remarks Dr. Eden Y. Woon, President of AIT</p> <p>Opening Remarks Dr. Wiparat De-ong, Executive Director, National Research Council of Thailand</p> <p>Opening Remarks Prof. Narong Sritlerworakul, President of NSTDA, Vice President of ANSO</p> <p>Opening Remarks Prof. Jinghua Cao, Executive Director, ANSO Secretariat</p> <p>Keynote Speaker Prof. Chongrak Polprasert, Emeritus Professor, Asia Institute of Technology</p> <p>Keynote Speaker Prof. Yuansong Wei, Professor, Research Center for Eco-Environmental Sciences, Chinese Academy of Science</p> <p>Keynote Speaker Prof. Gang Liu, Professor of Eco-Environmental Research Center, Chinese Academy of Science</p> <p>Keynote Speaker Dr. Chayawee Wancharoenung, Director of Domestic Wastewater Subdivision, Water Quality Management Division Pollution Control Department, Thailand</p> <p>Keynote Speaker Mr. Hal Cen, HENIX Environment Science and Technology Co., Ltd.</p> <p>Panel Discussion Moderator: Dr. Wenchao Xue, Director of AIT Belt and Road Research Center Panelists: Prof. Chongrak Polprasert, Prof. Min Yang, Dr. Monthip Sritratana, Prof. Yuansong Wei, Prof. Gang Liu, Dr. Chayawee Wancharoenung, Mr. Hal Cen, Dr. Peng Li</p> <p>Summary and Closing Remarks Prof. Min Yang, Deputy Director of Research Center for Eco-Environmental Sciences, Chinese Academy of Science</p> <p>Prof. Yuansong Wei, Professor, Director, Laboratory of Water Pollution Control, Research Center for Eco-Environmental Sciences, Chinese Academy of Science E2 yw@ices.ac.cn +86-10-6284 9690</p> <p>Register Here </p> | <p>Thailand-China's Collaboration on Sustainable Watershed Development in the context of the "Future Earth" Program and future opportunities</p> <p>5 August 2022</p> <p>09:00-11:30 hrs 10:00 - 12:30 hrs (Beijing time, ICT) (Indochina time) (UTC/GMT+7 hours)</p> <p>Welcome Remarks Prof. Shobhakar Dhakal, Vice President for Academic Affairs</p> <p>Opening Remarks Dr. Wiparat De-ong, Executive Director, National Research Council of Thailand</p> <p>Opening Remarks Prof. Yongtao Zhang, Deputy Director General, The Bureau of International Cooperation, National Natural Science Foundation of China</p> <p>Project 1: A Comparative Study on the Change of Hydrological Process and Fluxes in The Julong and Chao Phraya River Basins under Changing Climate Dr. Dawen Yang, Tsinghua University Dr. Jerasom Santisrorn, Ramkhamhaeng University</p> <p>Project 2: Watershed based Adaptation to Climate Change: A Comparative Study between Julong River(China) and Chao Phraya River (Thailand) Prof. Jinliang Huang (tbc), Xiamen University Prof. Vilas Nitvattananon, Asian Institute of Technology</p> <p>Project 3: Biogeochemical changes and adaptation mechanisms in response to anthropogenic impacts in watersheds: A comparative study between Julong River (China) and Chao Phraya River (Thailand) Prof. Shen Yu (tbc), Institute of Urban Environment, CAS Dr. Wenchao Xue, Asian Institute of Technology</p> <p>Moderator Dr. Wenchao Xue, Director of AIT Belt and Road Research Center</p> <p>Panelists: Dr. Wenchao Xue, Director of AIT Belt and Road Research Center Prof. Dawen Yang, Dr. Jerasom Santisrorn, and Road Research Prof. Jinliang Huang Prof. Vilas Nitvattananon Prof. Shen Yu Dr. Thada Sukhapanuphat</p> <p>Keynote Speaker Dr. Monthip Sritratana, Senior Advisor, National Research Council of Thailand</p> <p>Dr. Monthip Sritratana, Director, Digital Belt and Road International Center of Excellence, Bangkok, Senior Advisor, National Research Council of Thailand E2 monthip2007@gmail.com +66-81-874-0447</p> <p>Register Here </p> | <p>Strengthening Thailand-China's Collaboration on Big Data for the Sustainable Development Goals</p> <p>2 September 2022</p> <p>13:30-15:50 hrs 14:30 - 16:50 hrs (Beijing time, ICT) (Indochina time) (UTC/GMT+7 hours)</p> <p>Welcome Remarks Prof. Shobhakar Dhakal, Vice President for Academic Affairs, Asian Institute of Technology</p> <p>Opening Remarks Dr. Wiparat De-ong, Executive Director, National Research Council of Thailand</p> <p>Opening Remarks Prof. Huadong Guo, Academician, Chinese Academic of Sciences, Director General, International Research Center of Big Data for Sustainable Development Goals</p> <p>Keynote Speaker Prof. Yubao Qiu, Secretary General, Digital Belt and Road Program Researcher, International Research Center of Big Data for Sustainable Development Goals</p> <p>Keynote Speaker Dr. Thuttal Keeratpongpalboon, Director of International Strategy and Coordination Division, Office of the National Economic and Social Development Council (NESDC)</p> <p>Keynote Speaker Dr. Ekboridin Winjikul, Associate Professor, School of Environment, Resources and Development, Asian Institute of Technology</p> <p>Keynote Speaker Dr. Christophe Bontemps, IIN Statistical Institute for Asia and the Pacific</p> <p>Moderator: Dr. Monthip Sritratana, Director, Digital Belt and Road International Center of Excellence, Bangkok</p> <p>Panelists: Dr. Yubao Qiu Dr. Thuttal Keeratpongpalboon Dr. Ekboridin Winjikul Dr. Christophe Bontemps</p> <p>Dr. Monthip Sritratana, Director, Digital Belt and Road International Center of Excellence, Bangkok, Senior Advisor, National Research Council of Thailand E2 monthip2007@gmail.com +66-81-874-0447</p> <p>Register Here </p> | <p>Strengthening Thailand-China's Collaboration on Climate Action</p> <p>30 Sep 2022</p> <p>13:30-15:50 hrs 14:30 - 16:50 hrs (Beijing time, ICT) (Indochina time) (UTC/GMT+7 hours)</p> <p>Welcome Remarks Prof. Shobhakar Dhakal, Vice President for Academic Affairs, Asian Institute of Technology</p> <p>Moderator: Dr. Wenchao Xue, Director, AIT Belt & Road Research Center</p> <p>Keynote Speaker Dr. Wiparat De-ong, Executive Director, National Research Council of Thailand</p> <p>Keynote Speaker Prof. Gensuo Jia, Director and Professor, Global Change Research Center for East Asia, Institute of Atmospheric Physics, Chinese Academy of Sciences</p> <p>Keynote Speaker Prof. Li Wang, Aerospace Information Research Institute, Chinese Academy of Sciences</p> <p>Keynote Speaker Prof. Sangam Shrestha, Professor, Water Engineering and Management, Head of Department of Civil and Infrastructure Engineering, Asian Institute of Technology</p> <p>Keynote Speaker Dr. Lin Wang, Associate Professor, Institute of Atmospheric Physics, Chinese Academy of Sciences</p> <p>Keynote Speaker Mr. Robert Dobias, Former Senior Advisor on Climate Change to the Asian Development Bank Management</p> <p>Moderator: Dr. Monthip Sritratana, Director, Digital Belt and Road International Center of Excellence, Bangkok</p> <p>Panelists: Prof. Gensuo Jia Prof. Li Wang Prof. Sangam Shrestha Dr. Lin Wang</p> <p>Dr. Monthip Sritratana, Director, Digital Belt and Road International Center of Excellence, Bangkok, Senior Advisor, National Research Council of Thailand E2 monthip2007@gmail.com +66-81-874-0447</p> <p>Register Here </p> |
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Activities & Engagement

Co-organization of "Thailand's Bio-Circular-Green Economy Model: Awareness Raising, Capacity Building and International Perspectives"

BCG Model Webinar Series #1-5 June ~ October 2022



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| <p>BCG Model and the Food and Agriculture Sector</p> <p>24 June 2022 13.30-16.05 hrs</p> <p>Seminar Moderator Ms. Gita Sabbarwal United Nations Resident Coordinator for Thailand</p> <p>Seminar Moderator Dr. Allan S. Tabucanon Director, Research and Academic Services Center for Environmental Management and Sustainability, Faculty of Environment and Resource Studies, Mahidol University</p> <p>Session Moderator Mr. Robert Doblas Former Senior Adviser on Climate Change to the Asian Development Bank (ADB) Management</p> <p>Register Here [QR Code]</p> | <p>BCG Model in the Health and Wellbeing Sector</p> <p>25 July 2022 13.30-16.05 hrs</p> <p>Seminar Moderator Dr. Monthip Sritratana Deputy Prime Minister and Minister of Public Health, Thailand</p> <p>Seminar Moderator Dr. Mohamed Nasir Hassan Regional Adviser in Air Pollution, ENH and Chemical Safety, World Health Organization (WHO), New Delhi</p> <p>Moderator Mr. Robert Doblas Former Senior Adviser on Climate Change to the Asian Development Bank (ADB) Management</p> <p>Register Here [QR Code]</p> | <p>BCG Model in the Bioenergy, Biomaterial and Biochemical Sector</p> <p>26 August 2022 13.30-16.05 hrs</p> <p>Seminar Moderator Dr. Monthip Sritratana Deputy Prime Minister and Minister of Energy, Royal Thai Government</p> <p>Seminar Moderator Prof. Dr. Pirot Palmanakul Secretary to the Minister of Energy, Royal Thai Government</p> <p>Moderator Prof. Dr. Mario T. Tabucanon Emeritus Professor, Asian Institute of Technology; Visiting Professor, United Nations University Institute for the Advanced Study of Sustainability (UNU-IAS)</p> <p>Register Here [QR Code]</p> | <p>BCG Model in the Tourism and Creative Economy Sector</p> <p>23 September 2022 13.30-16.15 hrs</p> <p>Seminar Moderator Dr. Monthip Sritratana Project Adviser, National Research Council of Thailand; Former Deputy Permanent Secretary, Ministry of Natural Resources and Environment, Thailand</p> <p>Seminar Moderator H.E. Mr. Phiphat Ratchakulprakarn Minister of Tourism and Sports, Thailand</p> <p>Session Moderator Dr. Monthip Sritratana Former Senior Adviser on Climate Change to the Asian Development Bank (ADB) Management</p> <p>Register Here [QR Code]</p> | <p>Thailand's Bio-Circular-Green Economy Model: Awareness Raising, Capacity Building and International Perspectives</p> <p>24 October 2022 13.30-15.50 hrs</p> <p>Seminar Moderator Dr. Monthip Sritratana Project Adviser, National Research Council of Thailand; Former Deputy Permanent Secretary, Ministry of Natural Resources and Environment, Thailand</p> <p>Seminar Moderator H.E. Mr. Jurin Laksanawit Deputy Prime Minister and Minister of Commerce, Royal Thai Government</p> <p>Session Moderator Dr. Monthip Sritratana National Research Council of Thailand</p> <p>Register Here [QR Code]</p> |
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Funded Project 2022

1

“Capacity building on human resources development on utilization of big earth data for SDGs implementation and monitoring”

Time: September 2021 ~ February 2022

2

“Thailand’s Bio-Circular-Green Economy Model: Awareness Raising, Capacity Building and International Perspectives”

Time: March 2021 ~ December 2022

3

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

Time: June 2022 ~ October 2022

4

“China-Thailand High Speed Railway Collaboration Project between AIT and CSCECTH”

Time: July 2022 ~ June 2025

5

“Strategic Research Plan for DBAR ICoE-Bangkok, 2023-2024”

Time: 2023 ~ 2024

Networking & Partnership



MoA signing with China State Construction Engineering (Thailand) Company Ltd. (CSCEC) on 31 March 2022.

A collaboration agreement with China State Construction Engineering (Thailand) Co. Ltd. (CSCECTH), focusing on the China-Thailand High-Speed Railway projects.

The collaboration includes training program, research project, and a long-term coordination & collaboration schemes.

Networking & Partnership



TusPark WHA visited
Asian Institute of Technology
on 21 October 2022

TusPark WHA
启迪伟华中心



A preliminary communication on potential collaboration between AIT and TusPark WHA has been conducted such as joint seminars and activities, potential incubation program for university startups in the field of environmental technologies, cleaner energy, and sustainable development and other long-term cooperation etc.

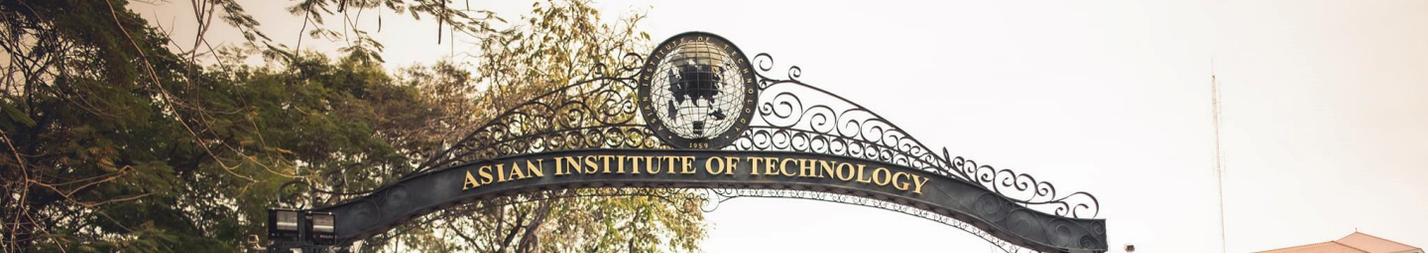


Professional Training Course
on “FIDIC (Fédération internationale
des ingénieurs-conseils)” for CSCEC



AIT Belt & Road Research Center and AIT Extension organized the Professional Training Course on “FIDIC (Fédération internationale des ingénieurs-conseils)” for 15 engineers from China State Construction Engineering (Thailand) Company Ltd. (CSCEC) for five days from 17 September to 29 October 2022.





AIT Belt and Road Research Center

- Scholarship -



1st Recipient,

Ms. Aashiyana Adhikari from Nepal,
Gender and Development Study, 2020.



2nd Recipient,

Mr. Fangyi Zhu from China,
Construction, Engineering and
Infrastructure Management, 2021.



3rd Recipient,

Mr. Yifan He from China,
Environmental Engineering and
Management (EEM), 2022

During AIT's 60th Anniversary celebrations in October 2019, AITAA China Chapter signed an agreement to donate funds towards supporting the newly established AIT Belt & Road Center (BTRC) activities. One of the activities is to support scholarships for Master's or Ph.D. degree students from Belt & Road countries.



Contact us

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