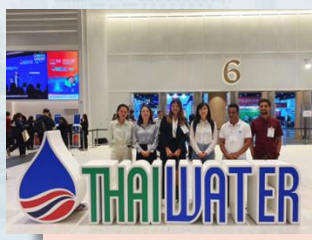


2024  
EDITION



# Belt & Road Research Center Annual Report

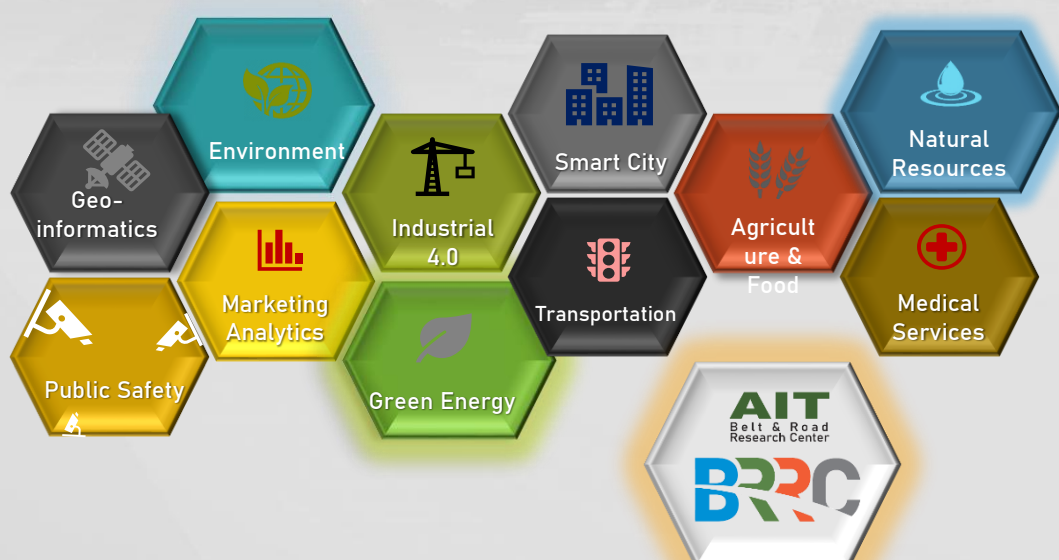


*Regional collaboration  
in sustainability  
for the Future*



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## Introduction of the Center

**AIT Belt and Road Research Center (BRRC)** 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 BRRC'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 BRRC 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 stylized, handwritten signature in gold ink, consisting of a series of loops and a long horizontal stroke.



# RESEARCH TEAMS



## **Inf**rastructure research team

Lead by **Dr. Kuo-Chieh Chao**



## **Green T**echnology research team

Lead by **Dr. Wenchao Xue**



## **D**igital **B**elt and **R**oad Research Team

Lead by **Dr. Salvatore G.P. Virdis**

## On-going Research Projects

### 1. “China-Thailand High Speed Railway Collaboration Project between AIT and CSCECTH”, 2022-2025

#### Project Activities in 2024:

- In April 2024, a comprehensive site visit led by Dr. Geoff and Dr. Krit, to assess the conditions on-site, with an engineering report on the site inspection and a Memorandum that summarizes the review of the documents and the site visiting and recommendations was submitted to CSCECTH.
- On 16 May 2024, the annual progress meeting of China-Thailand Highspeed Rail collaboration Project between CSCECTH and AIT BRRC was held to exchange ideas, update collaborating progress, conclude collaboration achievement in the past year, and plan for the work in the coming year from both sides.
- In September 2024, a delegation from China Foreign Affairs University visited AIT BRRC and CSCECTH Contract 4-3 construction site for exchange on the Belt and Road flagship project Thai-China High Speed Railway under construction as part of the Pan-Asian railway network construction, from the perspective of diplomacy between the two countries.
- On November 19<sup>th</sup>, 2024, research progress meeting and participation in the “Up We Build: Serving Thailand with Sustainable Collaboration & Launching Ceremony of 2022-2023 CSCEC Thailand Sustainability Report and UWB Program” jointly organized by AIT and CSCECTH.

#### Project Achievements:

- 2 Journal papers have been published;
- 3 Conference papers have been published;
- One certified professional training for engineers have been accomplished;
- Series of test reports have been done and submitted;



## 2. “Strategic Research Plan for DBAR ICoE-Bangkok, 2024-2026”

### Project Introduction:

This project aims to address critical challenges in the assessment of Sustainable Development Goals (SDGs) in Thailand, aligning with the 2030 Agenda for Sustainable Development set by the United Nations. Collaborating with the Digital Belt and Road Program, the DBAR International Center of Excellence in Bangkok aims to enhance the utilization of Earth observation data for a more comprehensive evaluation of SDG progress. Objectives include further consolidating the function of DBAR ICoE-Bangkok through strategic development planning, identifying data and knowledge gaps, strengthening regional networks, building capacity, and conducting sub-projects focused on integrated assessment of SDG progress at provincial level in Thailand.

### Project Activities in 2024:

- In January 2024, Stakeholder Meeting with ASEAN Centre for Sustainable Development Studies and Dialogue (ACSDSD), Mahidol University.
- In April 2024, Project Kick-off and National Network Meeting, with participants from the Digital Belt and Road (DBAR), Chinese Academy of Sciences (CAS), AIT-BRRC, Mahidol University, and major Thai agencies such as the National Economic and Social Development Council (NESDC), the Ministry of Foreign Affairs, and the ASEAN Centre for Sustainable Development Studies and Dialogue (ACSDSD).
- In June 2024, Stakeholder Meeting with National Economic and Social Development Council (NESDC).
- In July 2024, Stakeholder Meeting 3: National Statistical Office (NSO).
- In September 2024, International Forum on Big Data for Sustainable Development Goals (FBAS2024) in Beijing, China, aimed to promote the application of Big Data technologies in sustainable development and to support the growth of the digital industry in the region.
- In October 2024, 8th Digital Belt and Road (DBAR) Conference, in Suzhou, China.
- In December 2024, FAO-International Soil and Water Forum in Bangkok, Thailand.





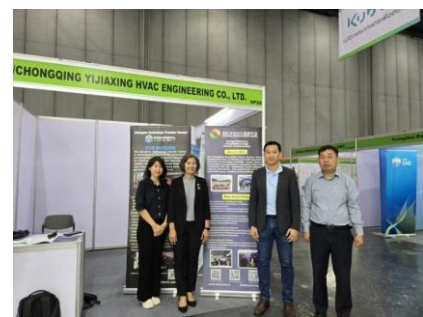
# On-going Industrial Collaboration Projects

## 1. Co-organization of “Green Tech Expo 2024”, Bangkok, Thailand



On October 24, 2024 – Asian Institute of Technology co-organized the “Green Tech Expo 2024” that unfolded over three days from October 24 to 26, at Hall 102 of the Bangkok International Trade and Exhibition Center (BITEC). The event, themed “Driving Sustainable Solutions: Green Technology for Business,” brought together leaders, researchers, and industry experts from across the globe, focusing on accelerating sustainable development initiatives and promoting advanced green technologies that enhance business sustainability and efficiency.

A cluster of green tech companies was organized by BRRC to participate in the Expo as exhibitors, including INC SQUARE Co., Ltd., Drone Entry (Thailand) Co., Ltd., Supumps Environmental Technology (Changzhou) Co. Ltd., Anhui Pushi Ecological Environment Engineering Co. Ltd., Lihe Technology (Hunan) Co. Ltd., Chongqing Renewable Energy Society, Chongqing Yijiaxing HVAC Engineering Co., Ltd., China-Thailand Green Eco-Environmental Technology Industrial Park.





## 2. Launching of the China-Thailand environmental Cooperation Platform

On October 24, 2024 – During the “Green Tech Expo 2024” from October 24 to 26, Belt and Road Research Center (BRRC) collaborated with Tongji University, China, and the E20 Environmental Platform to co-organize “The China-Thailand Environmental Cooperation Forum and Launching Ceremony of the China-Thailand Environmental Technology and Industry Cooperation Platform”. This forum aimed to strengthen connections and explore collaborative opportunities between China and Thailand in environmental protection, bringing together representatives from governmental, academic, and industrial sectors.

Dr. Suwit Khunkitti, Vice Chairman of the AIT Board of Trustees and Former Deputy Prime Minister and Former Minister of Education of Thailand, Mr. Wang Qiang, First Secretary of the Chinese Embassy in Thailand, and Mr. Yang Chunlin, Second-Level Inspector of the Shanghai Municipal Bureau of Ecology and Environment, China, attended this forum, highlighting the significance of this event and the collaboration follow afterwards.





### 3. China-Thailand Environmental Protection collaboration seminar series — United Strategies for Black-Odorous Urban Rivers: Insights and Innovations from China and Thailand Perspectives

On October 25th, 2024 – The AIT Belt and Road Research Center (BRRC) hosted the inaugural China-Thai Collaboration in Environmental Protection Seminar under the theme: “United Strategies for Black-Odorous Urban Rivers: Insights and Innovations from China and Thailand Perspectives,” at the Milton Bender Auditorium, AIT. The seminar aimed to address urban black-odorous river pollution, strengthen bilateral ties, and promote sustainable water pollution control practices across the region. Co-organizers included Tongji University, China Harbour Engineering Co., Ltd. (CHEC), and Supumps Environmental Technology (Changzhou) Co. Ltd.

The seminar is the first seminar of the China-Thai Collaboration in Environmental Protection Series, aiming to create a platform for knowledge exchange and collaboration between experts, policymakers, and stakeholders from both countries, will showcase successful environmental technologies, foster collaborative strategies for addressing various environmental problems of public concern, and enhance the technical capabilities of environmental professionals in Thailand and China.





### 3. Green Industry Innovation and Development Exchange Program

From April 8th to April 13th, 2024, BRRC participated in the “Thailand- China Energy Transition Green Chongqing Trip”, to jointly address the issue of climate change and to actively promote international cooperation in Lancang-Mekong region with 10 energy and environment experts from 8 think tanks, universities, and enterprises from Thailand in the visiting trip, including the United Charitable Foundation of Thailand, the Coastal Livelihoods and Environment Action Network (CLAAN), the Thailand Environment Institute Foundation (TEIF), the Thailand Climate Finance Network (TCFN), EPIGTRAM, the Association for Local Development (ALD), and Sustainable Bioenergy Co.

From Dec. 8th to 12th, 2024, BRRC successfully organized its first in-depth industrial exchange trip on Green Industry Innovation and Development with Chongqing Renewable Energy Society (CRES) for 14 AIT alumni and members from Thailand, Bangladesh, Canada, Myanmar, and Cambodia in Chongqing, China, bringing together local industry experts, entrepreneurs, and academics from China to explore sustainable technologies, foster international collaboration, and share knowledge on energy efficiency, environmental protection, and renewable energy solutions with AIT alumni.

From 16th to 19<sup>th</sup>, 2024, BRRC organized the second Green Industry Innovation and Development Exchange Program for a delegation of five members was led by H.E. Dr. Subin Pinkayan, the former Foreign Minister of Thailand and former Chairman of the AIT Board of Trustees, who also serves as the Honorary Advisor to the AIT Board Chairman.



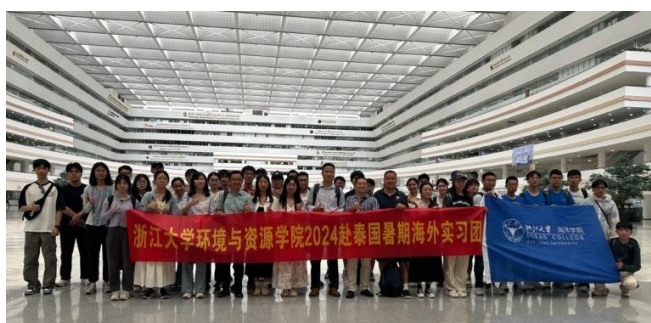


# Capacity Building Programs

## 1. Academic Exchange Seminar 2024 for Students from Zhejiang University

On July 11th, 2024– Belt and Road Research Center organized Academic Exchange Seminar for professors and students from Zhejiang University, College of Environment and Resources and Ocean College. The group includes 41 students and two professors from the College of Environment, Zhejiang University. Special thematic lectures were given by experts from AIT.

A visiting and communication to trip to the Department of Marine and Coastal Resource of Thailand was arranged to help strengthen the connection between AIT BRRC and Department of Marine and Coastal Resource of Thailand, also paves the way for future collaboration between the two sides. Preliminary communication on the intention for potential cooperation between the parties under the scope of Thailand-China national level collaboration was done. Students conducted a study trip to coastal areas to learn coastal environmental conditions, mangrove protection, near Pattaya in Thailand. Students majoring on oceanology from College of Ocean from Zhejiang University did presentations on the findings based on their study trip.



# Capacity Building Programs

## 2. Global Competency Program for Students from Beijing Normal University

On August 25<sup>th</sup> to 27<sup>th</sup>, 2024 – Belt and Road Research Centre organized Global Competency Exchange Program for Students from Beijing Normal University, the program includes visiting and communication with international and regional centers based in AIT, including CIFAL Bangkok, Regional Resource Centre for Asia and the Pacific (RRC.AP), Yunus Centre AIT (YCA), RIMES, and Belt and Road Research Center. It also include visiting and communication with United Nations Educational, Scientific and Cultural Organization (UNESCO) and Southeast Asian Ministers of Education Organization (SEAMEO) in Bangkok, and the Faculty of Public Health of Thammasat University.

Specific topics in the exchange and communication covers SDGs, functions of international organizations, the importance of different resources, climate change, marginalized groups, applications of technologies in developmental projects, Belt and Road project for regional economic and social development, etc. allowing young students to explore possible solutions to global challenges and the role of International organizations, such as AIT, UNESCO and SEAMEO, in providing platforms for policy dialogue and promoting project excellence for regional development.





# Completed Projects

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

Time: November, 2022 ~ December, 2024



The overall objective of this project is to consolidate the outputs and impact of DBAR ICoE-Bangkok and to explore the future direction for research and development towards sustainable development in Thailand. Main activities include: (1) strengthen national capacity on utilizing Big Earth Data Platform to enhance SDG research, monitoring and reporting; (2) demonstrate the potential value and extension on technology innovation based on the critical development issues evaluated and identified by DBAR with a case study on SDG 6; (3) deliver a series of national research-policy roundtables to identify the highest priority areas of research for selected SDGs that will have an immediate impact on national policy.



### Project Achievements

- 1 Professional Training Program
- 4 Co-Organized/Participated International Conferences/Workshops
- 2 Project Reports
- 2 Peer-reviewed Journal Publications



# NETWORKING & PARTNERSHIP

## Promotion Trip to China 2024

From September 9th to 14th, 2024 – The Asian Institute of Technology's Belt and Road Research Center (BRRC) undertook a proactive promotional trip to Guangxi and Yunnan provinces in China, focused on forging strategic partnerships and enhancing educational collaboration. The delegation actively engaged with universities, research institutions, and NGOs to explore opportunities in postgraduate education, research, and capacity building. This initiative highlights BRRC's commitment to establishing itself as a regional hub for innovation and sustainability, positioning itself favorably within the China-ASEAN cooperation framework to drive technological and economic development.

### Organizations and Institutes visited:

- ❖ Department of Science and Technology of Guangxi Province
- ❖ China-ASEAN Technology Transfer Center
- ❖ Guangxi Institute of Industrial Technology
- ❖ Guangxi Natural Resource Vocational and Technical College & Guangxi Industrial and Commercial School
- ❖ Yunnan Agricultural University & Yunnan Dali Gusheng Village Science and Technology Yard
- ❖ Green Energy in Kunming with Yunnan Green Energy Industry Association
- ❖ Yunnan University Belt and Road Research Institute
- ❖ Yunnan Green Environment Development Foundation
- ❖ Dali University & Institute of Eastern-Himalaya Biodiversity Research





## Supplementary MOA of the Fifth installment to the Student Exchange Scholarships

January 15, 2024





Meeting between DBAR ICoE-Bangkok and ACSDSD on January 25, 2024



The collaboration discussion between DBAR ICoE-Bangkok and ACSDSD spanned joint research projects and potential collaborations on Big Earth Data in SDGs monitoring and progress reporting and promoting the data resources and facilities of DBAR in terms of implementation.

Tsinghua University Delegation Visit Thailand during January 30 to Feb 2, 2024



The delegation was led by Prof. Qiu Yong, Secretary of the CPC Tsinghua Committee, with other officials from the Office of International Affairs, the Alumni Association, and the School of Public Policy & Management of Tsinghua University. This visit aims to strengthen and deepen cooperations between Tsinghua university and Thailand in different ways and in many aspects, such as in education, science and technology, humanities, and other fields.



## Henan Normal University visited AIT on March 8<sup>th</sup>, 2024



Professor Zhao Yang, Director of the International Affairs Office, visited BRRC for discussions on collaborations, including joint research projects, faculty exchange programs, and initiatives to facilitate student mobility, such as joint master and doctoral programs, facilitating CSC Scholarship application of students from Henan Normal University, training programs, exchange summer school program, short term research program for students, etc.

## Visiting from BRI International Green Development Coalition ( BRIGC) and China Automotive Technology and Research Center Co.,Ltd.( CATARC) on April 24,2024



A preliminary communication between BRIGC & CATARC and AIT BRRC around possible collaborations in the aspects of Green Technology Expo 2024 in Thailand was conducted, including joint research projects in green technologies, Digital Belt and Road activities, collaborative activities organized by three parties, Double-carbon talents certificate training collaborations, possible collaboration with Thailand local departments and organizations for low carbon standard research and projects, etc.

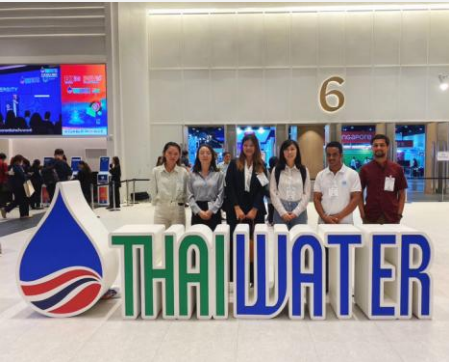


**Visiting from Tongxiang Little Boss Specialty Plastic Products Co., Ltd on May 27th, 2024**



A preliminary discussion on possible collaborations on green technology and wastewater controlling and treatment technology was carried out. A visiting and communication trip to Borthong Industrial Estate was coordinated to discussion possible collaboration between the three parties.

**Visit to Thai Water Expo 2024 on July 4th, 2024**



BRRC visited Thai Water Expo at QSNCC, Bangkok with a group of students from Water Engineering and Management program of WREE Department, Set, AIT, with the objective of learning about the water-related technology industry in Thailand, the development of water treatment technologies, and establishing connections with local industry, looking for prospective opportunities for collaboration in this field in the future.



## Visiting from Shanghai Academy of Social Science and Tunku Abdul Rahman University of Management and Technology, Malaysia on June 12th, 2024



The discussions mainly focus on “The opportunities and challenges that Green Belt and Road Construction brings to Belt and Road member countries” and “Developing green economy and achieving the goal of win-win and mutual benefit and harmonious coexistence with the ecological environment from policy, regional collaboration, and technological application perspectives”.

## Visiting to Nonthaburi Municipality on July 19th, 2024



BRR) visited Nonthaburi Municipality with Dr. Monthip Sriratana, Director, DBAR-ICoE Bangkok, NRCT, and meet with Ms. Pimpan Thanadechakul, Deputy Mayor of Nonthaburi, and other officials from environmental protection division, education division and culture division of Nonthaburi City Municipality. Preliminary discussion on prospective collaborations between AIT BRR and Nonthaburi Municipality was conducted, including capacity building programs for professionals from the municipality on environmental protection, such as water canal monitoring and treatment.



## Visiting from All-Plus Co. Ltd. Delegation on July 23rd, 2024



A preliminary discussion on possible collaborations between the two parties was carried out. Apart from research collaborations in the future, ALL-PLUS also expressed the intention to provide special prizes and scholarships for excellent young students studying in AIT beginning from later this year. Other collaborations focus on internships, talent recruitment, sponsored industrial exposure trips to ALL-PLUS companies in different regions, etc. After the meeting, the delegation takes a tour of the campus and visited EEM lab to learn about the research projects and facilities in the program.

## Visiting from China Renewable Energy Council (Wuxi) (CREC) on August 14th, 2024



Primary discussion about technology development in the new energy industry in China and Thailand was carried out. Both sides expressed their willingness to cooperate in the future, focusing on new energy production and application areas such as photovoltaic, solar thermal, wind, air energy and biomass, etc.

## Visiting from China Foreign Affairs University on September 24th, 2024



Primary discussion of potential collaborations include the Training Program for Future LMC Diplomats organized by China Foreign Affairs University Institute of Asian studies (CFAU) (IAS), joint organization of international conferences, co-organization of capacity building programs in the future, etc. BRRC coordinated a research trip for the delegation of IAS, CFAU to China State Construction Engineering (Thailand) Co., Ltd (CSCECTH) to learn about the Belt and Road flagship project Thai-China High Speed Railway.

## Visiting to ALLPLUS (Thailand) Co., Ltd. on September 5<sup>th</sup>, 2024



BRRC organized an industrial exposure and study trip for students and lab experts from the Environmental Engineering and Management (EEM) program of School of Engineering and Technology, AIT, to ALLPLUS (Thailand) Co., Ltd. located at the Rojana Industrial Estate in Ayutthaya province. The propose of this visit is to provide EEM students with a practical understanding of industrial processes and their impact on research and development in environmental engineering.



## Visiting from the Transport Planning and Research Institute of Ministry of Transport of China on December 10th, 2024



The delegation was led by Dr. Liu Jie, Deputy Director of the Environmental Research Institute, the Transport Planning and Research Institute.

Discussion mainly focused on the sustainable development of the Lancang-Mekong Basin ecosystem. Potential research collaboration between the two organizations in related fields has been discussed in this communication.

## Visiting from Chinese Academy of Science and Ningbo University from China on December 12th, 2024



Dr. Li Gang, from Chinese Academy of Science Urban Environment Research Institute, and Dr. Ge Tida, from Ningbo University, were in the delegation. Potential research collaboration between the participants in water treatment technology related fields and establishment of cooperation platforms and mechanisms between the organizations, etc. has been discussed in this meeting.



# PARTICIPATION & ENGAGEMENT

## 1. Belt and Road Water and Environment Cooperation Forum

On April 12, 2024– Dr. Wenchao Xue, Director of BRRC, attended the Belt and Road Water and Environment Cooperation Forum, hosted by ANSO Environmental Science and Technology Industry Alliance, Chinese Academy of Sciences (CAS)-Center of Excellence in Water and Environment of Academy of Sciences for the Developing World (CASD) and organized by Zhong Guan Cun Zhongke Water and Environmental Protection Technology Innovation and Promotion Center, and Water Industry Market Media Platform, with more than 100 representatives from research institutes, universities, and enterprises in China and around the world attending. Dr. Wenchao Xue gave a speech online on the topic “Thailand’s Water Environment Management and Belt and Road Cooperation: Challenges and Opportunities”.



## 2. Press Conference of “Green Tech Expo 2024” in Bangkok as Co-organizer

On April 17, 2024– Dr. Wenchao Xue, Director of BRRC, attended The press conference of “Green Tech 2024” was held at the Roadshow Hall of the Chinese Academy of Sciences (CAS) Bangkok Innovation and Cooperation Center as the co-organizer of this year's expo.



# PARTICIPATION & ENGAGEMENT

## 3. The 4th China – Thailand Think Tank Forum

On May 13th, 2024 – BRRRC participated the 4th China – Thailand Think Tank Forum hosted by National Research Council of Thailand (NRCT) and Chinese Academy of Social Sciences (CASS) in Bangkok, with the aims to promote collaboration in social studies between Thailand and China through exchanges of researchers, joint research projects, publication exchanges, and the organization of annual seminars hosted alternately by the two countries. Participants of this event include Thailand delegates from Ministry of Higher Education, Science, Research and Innovation (MHESI) and National Research Council of Thailand (NRCT), Chinese delegates from Chinese Academy of Social Sciences (CASS) and Embassy of The People's Republic of China in The Kingdom of Thailand.



## 4. The Sixth ASEAN – China Forum of Private Higher Education Development and Cooperation and the Fourth Annual Meeting of the ASEAN – China Alliance of Private Higher Education Institutions (ACAPHEI)

During November 14-15, 2024 – BRRRC Participated the Sixth ASEAN – China Forum of Private Higher Education Development and Cooperation and the Fourth Annual Meeting of the ASEAN – (ACAPHEI), held at Sripatum University in Bangkok, Thailand. Ms. Sai Tang, Program Officer of AIT BRRRC provided a talk entitled “Collaboration for Sustainable and Innovative Development of International & Private Higher Education in ASEAN”.





# PARTICIPATION & ENGAGEMENT

## 5. Fifth Belt and Road Lecture with Beijing Normal University (BNU)

During November 14–15, 2024 – AIT co-hosted the Fifth Belt and Road Lecture with Beijing Normal University (BNU) with the theme of “Advancing International Collaboration in Water and Environmental Sciences”. The event was held at Room 1623 of the Jingshi Technology Building, centering on water science, environmental sustainability, and international cooperation under the Belt and Road Initiative (BRI). It provided a platform to promote academic and practical exchanges, fostering collaboration across disciplines and borders. The event also underscores AIT's leadership in addressing global water and environmental challenges through innovation, education, and international partnership under BRI.



## 6. The 14th International Symposium on Southeast Asian Water Environment (SEAW-14)

On 3-5, December 2024 — BRRRC participated participated in the SEAW-14 organized by the Research Center for Water Environment Technology (RECWET) at the University of Tokyo (UTokyo, Japan), in collaboration with the Sustainable Process Engineering Center (SPEC) at Universiti Malaya (UM, Malaysia), in Kuala Lumpur, Malaysia. Ms. Mutita Wattanasuk, research associate of AIT BRRRC, delivered a presentation titled “Elimination of Microplastics in Urban Decentralized Wastewater Treatment: A Case Study in the Bangkok Metropolitan Region, Thailand.”



# PARTICIPATION & ENGAGEMENT

## 7. “Riding the Wind Together, Dialoguing New Possibilities in Education” 2024 Hainan Higher Education Innovation and Development International Forum

During December 7th to 8th, 2024 – BRRC participated Hainan Higher Education Innovation and Development International Forum held at Sanya University in Hainan, China. Ms. Sai Tang, Program Officer of AIT BRRC participated in this event on behalf of AIT BRRC. The event was organized by The People's Government of Hainan Province, the China Association of Higher Education, Geely Group, Sanya University, Zhenhe Island, and other governmental and corporate institutions.





# Center Work Summary 2024

Building on a year of significant progress, the Center has solidified its developmental foundation through a diverse portfolio of projects in 2024. Our research initiatives, have yielded promising results, advancing core knowledge in relevant field. This research excellence was complemented by impactful industrial collaborations which successfully translated theory into applied solutions. Furthermore, our commitment to capacity building was demonstrated through several capacity building programs delivered for young students from Chinese Universities, such as Zhejiang University and Beijing Normal University. Together, these efforts have measurably strengthened the Center's operational core and research output.

The expansion of our collaborative network has been a cornerstone of this year's success. We actively cultivated strategic partnerships, opening new avenues for resource sharing and interdisciplinary innovation. Our participation in key consortia and events has elevated our profile, transforming the Center into a recognized node within a global ecosystem of experts and institutions. These deliberate efforts in fostering networks have not only amplified the reach of our work but have also created a robust pipeline for future collaborative projects and knowledge exchange.

Finally, our impact was extended through dynamic participation and engagement throughout 2024. The Center played a leading role in environmental and sustainable development collaboration between Thailand and China, fostering dialogue and connecting with diverse audiences. Our team's active involvement in outreach activities with partners in different sectors, underscored our commitment to translating activity into meaningful societal and academic contribution. As we move forward, the momentum generated this year provides a powerful platform to leverage our developed capabilities, expanded partnerships, and engaged community toward even greater innovation and leadership.



## Contact us

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