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12-15 November 2024
Wuxi, China

THEME

Green Basins and Smart Waters



Dear Esteemed Colleagues,

I am delighted to extend a formal invitation to you on behalf of the Local Organizing Committee of the Taihu International Conference on Water Management (InConTaihu), which will take place from November 12th to 15th, 2024 in the beautiful city of Wuxi, China.

With the theme of "Green Basins and Smart Waters", InConTaihu seeks to build up capacities for water security in basins like Taihu across the globe. Through one plenary session and six parallel ones, InConTaihu addresses some of the most important technical topics that basin managers are challenged by. Additionally, there will be a dedicated session for young scientists.

Located in the heart of the Yangtze River Delta, the city of Wuxi is renowned as the "Pearl of the Taihu Lake" and holds significant historical and cultural importance. Its natural landscapes and rich cultural heritage showcase the harmonious coexistence of nature and people. With its extensive network of waterways and immediate adjacency to the Taihu Lake, the city's endeavors in water management are of immense magnitude, making it an ideal venue for InConTaihu.

InConTaihu will provide a platform to address both historical and emerging water challenges in a changing environment. I warmly invite you to join us in this momentous gathering where we can exchange experiences, share research findings, and contribute to the discourse on water governance for a sustainable future. The conference will bring together worldwide experts, researchers, policymakers and professionals, to foster collaboration under the multifaceted challenges of water security in the changing world.

I eagerly anticipate your participation in the InConTaihu and look forward to seeing you in Wuxi.

Jiqun Dai, Professor & President
Nanjing Hydraulic Research Institute



Sponsors

- Department of International Cooperation, Science and Technology, Ministry of Water Resources
- Department of River and Lake Management, Ministry of Water Resources
- Chinese Hydraulic Engineering Society
- Taihu Basin Authority
- Municipal Government of Wuxi

Host

- Nanjing Hydraulic Research Institute

Organizer

- Key Laboratory of Taihu Basin Water Resources Management, Ministry of Water Resources

With Support of

- Lancang-Mekong Water Resources Cooperation Center
- Wuxi Municipal Department of Water Resources
- China Communications Construction Company
- CCCC Tianjin Dredging
- Jiangsu Hydraulic Engineering Society
- Yangtze Institute for Conservation and Development
- International Joint Research Center of Water Science & Engineering
- State Key Lab of Hydrological Disaster Management
- National Cooperative Innovation Center for Water Safety & Hydro Science
- Jiangsu Society of Oceanology and Limnology
- R&D Center of Hydro-Power Engineering Safety and Environmental Technology of NEA



Under the overarching theme of ‘**Green Basins and Smart Rivers**’, InConTaihu in 2024 will cover these technical topics:

Basin Management and Water Security

Managing watershed in a holistic, integrated way for sustainable water supplies and reduced risks, with coordination of policies, infrastructure, and stakeholders.

Freshwater Ecology & Rehabilitation

Restoring degraded freshwater environments to a healthier ecological state for freshwater communities and ecosystems.

Eutrophication Management

Reducing nutrient pollution sources and mitigating impacts from algal blooms, low oxygen levels, and other ecological disruptions.

Digital Twinning & Smart Management

Creating virtual replicas of water systems through IoT sensor data, AI, and other technologies for advanced monitoring, prediction, optimization and management.

River/lake Health & Riparian Communities

Protecting and restoring river/lake health, and exploring the linkage between ecosystem services and the well-being of local riparian communities.

Young Scientist in the Field

Discussing ways to inspire, train and provide opportunities for the next generation of water scientists, engineers and professionals.

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12 Nov	13 Nov		14 Nov		15 Nov
Registration	Plenary session: Opening ceremony & Keynote presentations	Posters & Exhibition	Parallel sessions	Posters & Exhibition	Technical tour outside Wuxi
Lunch break	Lunch break		Lunch break		
Registration	Plenary session: Keynote presentations	Posters & Exhibition	Technical tour inside Wuxi	Posters & Exhibition	

Please be aware that programs are subject to further confirmation or change.

We are calling global experts, academics, policy makers, professionals, private and public sector practitioners, university students and civil society stakeholders for submission of abstracts for presentation at the conference. We welcome submissions from various disciplines and perspectives as long as the paper is related to one or more of our technical topics.

Guidelines for Abstract Preparation

While preparing abstracts for submission, authors should:

- focus on the theme and topics of the conference;
- use a clear structure that covers the background, purpose, methods, results, limitations, and conclusions/implications of the reported work;
- write in the English language;
- limit the length of the abstract to less than 800 words;
- exclude graphs, charts, diagrams, images, references, or citations;
- disclose any potential conflicts of interest related to the abstract content;
- list all contributing authors with their affiliations;
- submit no more than two (2) abstracts for each author;
- submit abstracts through our website.

More detailed guidelines for authors are available on our website. Please also check our website for possible update or change.

Key Dates

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|--------------|---------------------------------------|
| 15 Jul 2024 | Abstract submission closed |
| 15 Aug 2024 | Abstract acceptance notified |
| 15 Sept 2024 | Full paper/poster submission closed |
| 30 Sept 2024 | Full paper/Poster acceptance notified |
| 30 Sept 2024 | Opening of InConTaihu 2024 |




Photo: Removal of excessive water hyacinth (*Pontederia crassipes*) from Taihu Lake

Photo: Xishan Bridge on Taihu Lake

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InConTaihu will be a perfect opportunity for businesses to showcase their ideas, technologies, or solutions for water security in basins around the globe like Taihu.

Exhibitors will be able to present their pioneering work, attract attention from industry leaders, academics, and policy-makers, and forge connections with like-minded individuals who share their passion for ensuring water security worldwide.

So don't hesitate to seize this opportunity to captivate an engaged audience and make a lasting impact.

For more information on exhibition opportunities, please contact our dedicated team:

- Fangduo LIU, +86(0)10-63203793
- Junbao HE, +86(0)10-63203495
- Email: incontaihu2024@163.com



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Technical tours both inside and outside Wuxi will be available for sign up after the conference. Participants are able to see some of China's most interesting facilities, projects and experiences in managing water. More information will be provided later through our website.

Tours inside Wuxi

This half day tour will be free of charge. It will be organised on afternoon, 14 Nov, with destinations including:

- River and Lake Governance Research Base of Nanjing Hydraulic Research Institute (Host of the Key Laboratory of Taihu Basin Water Resources Management, Ministry of Water Resources)
- Laboratory of Taihu Basin Monitoring Center of Hydrology and Water Resources
- Gonghuwan Wetland Park
- "Taihu Star" Ecological Dredger
- Xuelang Tech Town
- Lihu Lake National Wetland Park

Tours outside Wuxi

Multi-day tours will start on 15 Nov with additional charges. Two routes are available for sign up, including:

- **Route 1:** Wuxi City, Jiangsu - Yichang City, Hubei - Gezhouba Hydropower Station - Three Gorges Project
- **Route 2:** Wuxi City, Jiangsu – Huangshan City, Anhui - Xin'anjiang Landscape Gallery Scenic Area - Xin'an River Hydropower Station

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The Key Laboratory of Taihu Basin Water Resources Management, Ministry of Water Resources is jointly established by Nanjing Hydraulic Research Institute, Taihu Basin Authority of Ministry of Water Resources, and the People's Government of Wuxi Municipality. The Laboratory serves national strategies such as the integrated development of the Yangtze River Delta region and the development of the Yangtze River Economic Belt. Focusing on water security in the Taihu Lake Basin, the Laboratory conducts basic theoretical research and applied technology research on flood prevention and disaster reduction, efficient utilization of water resources, water environment governance and restoration of river and lake ecosystems, digital river basins and smart water networks, and coordinated water security in the basin.

One of the major facilities of the Laboratory is the Taihu Lake Model Test Hall. The test hall was built under the approval of the National Development and Reform Commission of the People's Republic of China, with an area of 24,000 m². Nestled within this hall lies a remarkable physical model, designed to simulate the wind-generated flow spanning the entire Taihu Lake. With a meticulous horizontal scale of 1:500 and a vertical scale of 1:10, this model is an invaluable tool for exploring the intricate realms of water dynamics in shallow lakes. It delves into pollutant migration and diffusion, cyanobacteria development and booms, sediment transportation and siltation as well as water treatment solutions.

If you have any further questions, please feel free to reach out for assistance from our secretariate:

- Email: InConTaihu2024@nhri.cn
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- Website: <https://incontaihu.com/>



Information in this document is subject to change. Please do follow our website or sign up for our newsletters to get updates.