

# SUSTAINABLE SOIL AND WATER CONSERVATION FOR TOMORROW



## YOUNG PROFESSIONALS' EVENT



**2024**  
**SEPTEMBER**  
 **CHINA**

CHINESE NATIONAL COMMITTEE ON LARGE DAMS(CHINCOLD)  
THE WORLD ASSOCIATION OF SOIL AND WATER CONSERVATION (WASWAC)  
CHINA INSTITUTE OF WATER RESOURCES AND HYDROPOWER RESEARCH (IWHR)

# Young Professionals' Event

## "Sustainable Soil and Water Conservation for Tomorrow"

September 2024, China

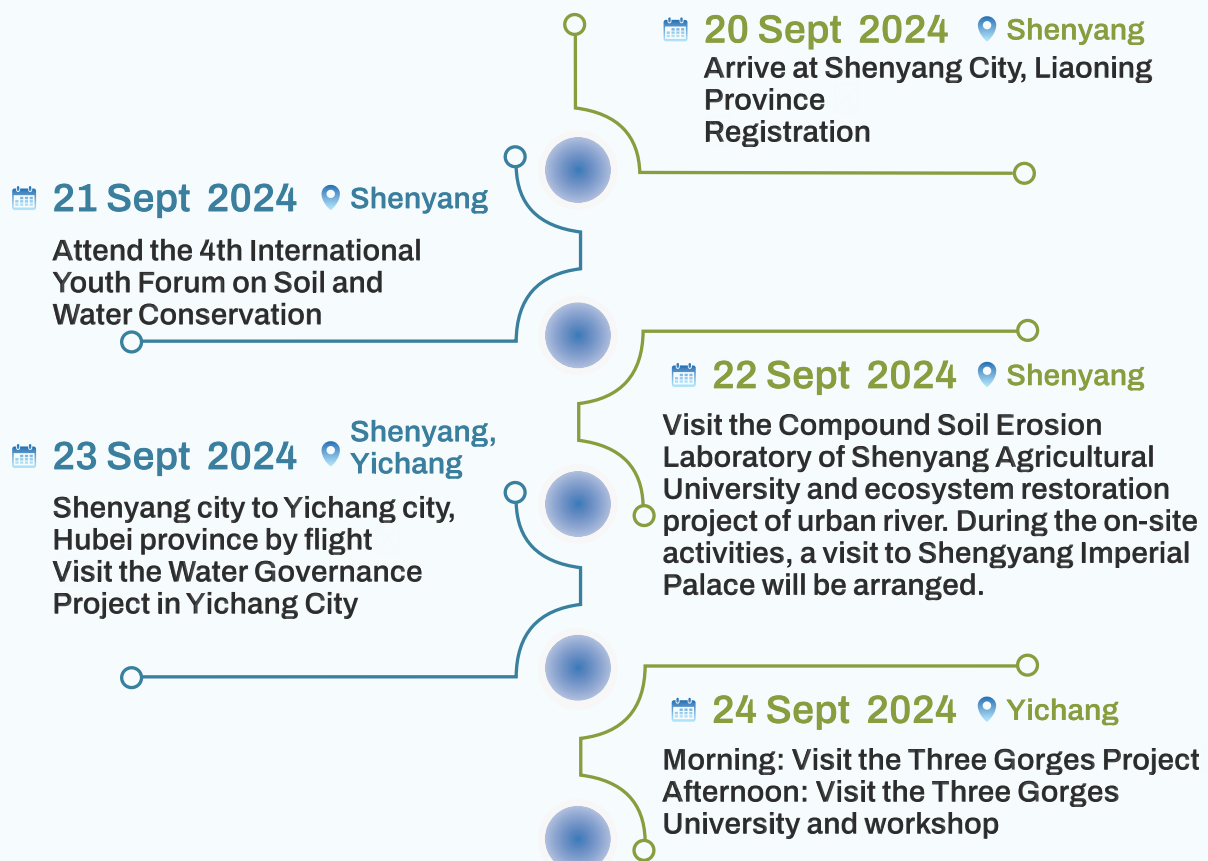
### Background

In today's rapidly changing environment, the need for innovative and sustainable solutions in soil and water conservation has never been more critical. Climate change, urbanization, and increasing agricultural demands are putting unprecedented pressure on our natural resources. In this context, young professionals have been endowed with a mission to drive the advancements to tackle these complex challenges.

The World Association of Soil and Water Conservation (WASWAC), China Institute of Water Resources and Hydropower Research (IWHR) and Chinese National Committee on Large Dams (CHINCOLD), are excited to announce the event "Sustainable Soil and Water Conservation for Tomorrow" for young professionals, which will take place from September 21 to 27, 2024 in China.

By bringing together young professionals from diverse backgrounds, this event aims to foster collaboration, share cutting-edge research and technologies, and inspire actionable solutions for a more sustainable future. Therefore, we sincerely invite young scholars, engineers, and graduate students working in the fields of water resources and hydropower to participate in this event and share your visionary ideas.

### Primary Program



 **25 Sept 2024**  **Yichang, Beijing**

Morning: Attend the 17th Round Table Forum on Sustainable Development of Dams & Hydropower  
Afternoon: Yichang to Beijing by flight

 **26 Sept 2024**  **Beijing**

Attend the 3rd Asia International Water Week (AIWW), Sino-US Youth Forum for Water Professionals

 **27 Sept 2024**  **Beijing**

City tour (visit the Great Wall and other historical attractions in Beijing)

- ▲ More information on the 4th International Youth Forum on Soil and Water Conservation, the 17th Round Table Forum on Sustainable Development of Dams & Hydropower and the 3rd Asia International Water Week (AIWW) could be found via websites below:

<https://4th-iyfswc-2024syau.scievent.com/>

<https://isds2024.glbmedcon.com/web/content/m986>

<https://3-aiww.scimeeting.cn/en/web/index/17040>

## Technical and Cultural Tours in the Program

Technical tours to visit the Compound Soil Erosion Laboratory of Shenyang Agricultural University, the Three Gorges Project, and ecosystem restoration projects of urban rivers etc. will be arranged. Meanwhile, the delegates will have the opportunity to visit the Shenyang Imperial Palace, the Great Wall and other historical attractions in Beijing.

### ▲ Compound Soil Erosion Laboratory of Shenyang Agricultural University

The compound soil erosion laboratory is the one of the most important laboratories in the field of soil erosion research in China. The laboratory covers an area of 300m<sup>2</sup> and is a steel structure project with a 14-meter lifting frame. The interior of the laboratory mainly includes three parts, namely the freeze-thaw cycle system, rainfall system, and wind tunnel system, which can realize the simulation of main soil erosion types such as hydraulic erosion, wind erosion and freeze-thaw erosion, especially it can meet the instrumentation requirements for the simulation of soil compound erosion mainly by hydraulic erosion and mainly by wind erosion in severe cold area affected by freeze-thaw action.





Fig. 1 Compound Soil Erosion Laboratory

### ▲ Three Gorges Project

Three Gorges Project is a key project to the development and management of the Yangtze River basin. It has the largest installed capacity in the world with a total installed capacity of 22.5GW. Ecological and environmental protection has been emphasized. By optimizing reservoir dispatching, aquatic ecosystem of the Yangtze River and favorable hydrological conditions for fish reproduction have been effectively improved. Multiple measures have been taken to protect rare terrestrial plants in the middle and upper reaches of the Yangtze River, such as *Davidia involucrata*, *Adiantum reniforme*, *Taxus chinensis* and *Myricaria laxiflora*.



Fig. 2 Three Gorges Project



### ▲ Shenyang Imperial Palace

The Shenyang Imperial Palace, one of the two most intact imperial group-buildings ever existing in China, enjoys equal popularity as the Forbidden City. It was built between 1625 and 1637 by Nurgaci. It contains an important library and testifies to the foundation of the last dynasty that ruled China, before it expanded its power to the centre of the country and moved the capital to Beijing. This remarkable architectural edifice offers important historical testimony to the history of the Qing Dynasty and to the cultural traditions of the Manchu and other tribes in the north of China. It was inscribed on the list of the World Cultural and Natural Heritage in 2004.



Fig3. Shenyang Imperial Palace

### ▲ The Great Wall

The Great Wall is a cultural heritage. It winds its way through the northern part of China, with a total length of over 6350 km and over 16 provinces, municipalities and autonomous regions. In the process of building the Great Wall, ancient people poured glutinous rice slurry into soil and mixed it evenly to make glutinous rice mortar to bond bricks and stones. This not only has excellent adhesion but also excellent waterproof performance, allowing the Great Wall to stand for thousands of years under erosion. As the well-kept part of the Great Wall locates inside Beijing city, it became the best choice to visit. Who know how many people's aspirations have been inspired by the sentence "He who has never been to the Great Wall is not a true man."!

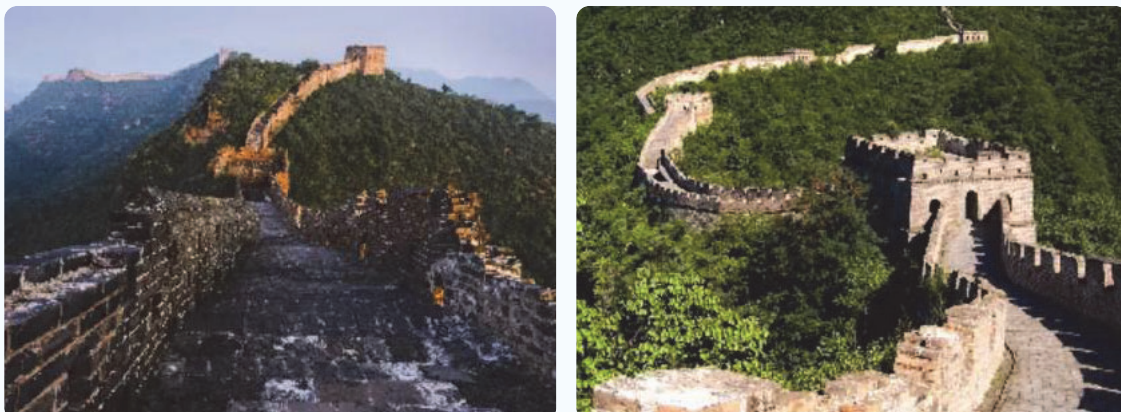


Fig.4 Great Wall

### ▲ Sponsorship Opportunity

There are **20 positions** available for the sponsorship this year. The sponsorship will **cover all expenses** in China from Sept. 20 when arriving at Shenyang City to Sept. 27 when the tour in Beijing ends, including transportation, accommodation, food, conference registration, and technical/cultural tours.

### ▲ Who can apply

- Under 45 years of age
- Have bachelor degree or above
- Work in a field related to water resources and hydropower
- Fluent in English

### ▲ Registration

Please fill out the Registration Form which can be downloaded using the following weblink and send to [chincold-en@vip.126.com](mailto:chincold-en@vip.126.com) before **31 July, 2024**. If you would like to apply for the sponsorship, please send in your CV together with the Registration Form.

Evaluation will start immediately after the application deadline, and the successful applicants will be informed before **15 August, 2024**.

[weblink: [https://files.glbmedcon.com/upload/file/20240624/20240624171041\\_32833.docx](https://files.glbmedcon.com/upload/file/20240624/20240624171041_32833.docx) ]

### ▲ Contact information

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