



**ICOLD-CIGB 2025** | 28<sup>th</sup> ICOLD Congress  
93<sup>rd</sup> Annual Meeting  
International Commission on Large Dams (ICOLD)  
16<sup>th</sup>-23<sup>rd</sup> May, 2025 | Chengdu, P. R. China



# 28<sup>TH</sup> ICOLD CONGRESS & 93<sup>RD</sup> ANNUAL MEETING

CHENGDU, 16<sup>TH</sup>-23<sup>RD</sup> MAY 2025

## INITIAL BULLETIN

### ORGANIZED BY

Ministry of Water Resources of the People's Republic of China  
The People's Government of Sichuan Province  
International Commission on Large Dams (ICOLD)

### HOSTED BY

Chinese National Committee on Large Dams (CHINCOLD)

### SUPPORTED BY

Chengdu Municipal People's Government  
National Energy Administration

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Yalong River Hydropower Development Co., Ltd  
China Institute of Water Resources and Hydropower Research  
Sichuan University  
Others TBD







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**WELCOME TO  
CHENGDU  
CHINA**

**16-23 MAY 2025**





Michel Lino  
ICOLD President

It's my privilege to encourage all the members of ICOLD family to attend the 28<sup>th</sup> ICOLD congress and 93<sup>rd</sup> annual meeting in Chengdu, May 2025. I am looking forward to everyone's presence to the congress in person and in good health.

Yours sincerely,

**Michel Lino**

President, International Commission on Large  
Dams (ICOLD)

*Dear colleagues and friends of ICOLD,*

On behalf of the International Commission on Large Dams (ICOLD), it's my great honor to invite esteemed delegates from 106 National Committees of ICOLD, and specialists and experts working in the field of dams and reservoirs as well as their accompanying persons, to the 28<sup>th</sup> ICOLD World Congress in combination with the 93<sup>rd</sup> ICOLD Annual Meeting, to be held 16<sup>th</sup> – 23<sup>rd</sup> May 2025, in Chengdu, Sichuan Province of China.

ICOLD Congress is the most professional and influential academic conference in the international dam society, with the purpose of advocating the international community to work together to strengthen multilateral cooperation and exchanges, and jointly promoting "Better dams for a better world". Chengdu congress will provide diverse opportunities to promote the international technical cooperation in the field of dams and reservoirs to a new level, and also play a critical role in promoting dam technology in the world. With all my confidence, it will be a grand meeting for participants from all member countries to sum up the past and look forward to the future.

I believe that under the strong organization of LOC, the Chengdu congress will provide an efficient platform for participants to conduct in-depth exchanges, experience sharing, business negotiations, and project cooperation. It's also a precious opportunity for all participants to be involved in the ICOLD family, and to witness and experience the glorious history and the modern development of China.

# INVITATION FROM ICOLD PRESIDENT





Dr. Jiao Yong  
CHINCOLD President

*Dear ICOLD members, colleagues, ladies and gentlemen,*

It is a great honor for me to invite delegates from the member countries and non-member countries of ICOLD to attend the 28<sup>th</sup> ICOLD Congress & 93<sup>rd</sup> Annual Meeting in Chengdu, Sichuan Province of China on behalf of the Chinese National Committee on Large Dams (CHINCOLD). The event will take place from May 16<sup>th</sup> to 23<sup>rd</sup>, 2025.

After the successful ICOLD Congress in Beijing in 2000, CHINCOLD has a pleasure to organize the ICOLD Congress & Annual Meeting again in Chengdu in 2025. It will be a great moment because we are now facing the increasing challenges like water shortage, flooding, food security, and the impacts induced by climate change. We need gathering again to strengthen the international collaboration for the common challenges, shared future, and better dams. Over the 25 years from 2000 to 2025, apart from keeping the record as the country owning the largest number of dams and reservoirs in the world, China has constructed many new super-high dams (rockfill, concrete, RCC, CMD) with high quality and engineering innovation. These dams and reservoirs, with pumped storage power stations and water transfer projects, will be playing a fundamental important role for water, energy, and grain security in the process of China's modernization. All these projects have benefited from the international cooperation in the domain of water engineering and now are available for all delegates to have an exciting technical visit.

I am for sure that the visit to Chengdu, the capital city of Sichuan Province with a long history of over 2,300 years, will be a wonderful experience. Chengdu combines tradition and fashion and has many historical and cultural landscapes. In particular, it is the hometown of giant pandas where you can have a chance to closely visit the lovely creatures. Dujiangyan, a World Cultural and Natural Heritage of irrigation project, is also located in Chengdu. It has provided safe water to millions of people and irrigation for over 2,200 years and makes Chengdu known as "The Land of Abundance". There are also many famous beauty spots for prospective delegates to enjoy social activities and sightseeing.

Chengdu is also a dynamic and modern municipality with complete infrastructures. Delegates can enjoy convenient transportation, modern conference center with various kinds of meeting rooms and facilities, comfortable accommodation and excellent surroundings, which will make you an unforgettable trip.

CHINCOLD will try the best to organize conferences, meetings and other activities, and to provide high quality conditions for visits, social programs and tours.

We would like to extend a warm welcome to all colleagues from various countries to Chengdu and shall be very glad to meet you at this event.

Dr. Jiao Yong

President, Chinese National Committee on Large Dams  
(CHINCOLD)

## WELCOME FROM CHINCOLD PRESIDENT





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# CITY AND VENUE

Chengdu, the capital city of Sichuan Province, is located in the western region of China. With a population of more than 16 million and a GDP of over 2 trillion, Chengdu is playing an important role in the modernization development of China. Chengdu earns a nickname of "The Park City at the Foot of the Snow Mountains".

Chengdu is famous for its rich historical and cultural heritage. Chengdu has been awarded the "Best Tourist City in China" by the World Tourism Organization and the "City of Gastronomy" by UNESCO. It has been named "the happiest city in China" for four consecutive years. A relaxing life concept is widely accepted by local people, which is a lifestyle with traditional Sichuan culture, including opera shows, delicious food and etc.. There are two international airports and four high-speed railway stations in Chengdu city. Within the city area, there are subways, city buses, taxis and many other transport facilities for the convenience of passengers.

# CHENGDU CITY





The 28<sup>th</sup> ICOLD Congress and 93<sup>rd</sup> Annual Meeting will be held at the Chengdu Century City New International Convention and Exhibition Center with fully integral congress facility, exhibition hall, and hotels. It is located in the Tianfu Metro of Chengdu, which is currently one of the most fully functional, well equipped and modern convention centers in China. It covers an indoor area of 100,000 m<sup>2</sup>, possessing 28 multi-functional halls in different styles equipped with the most cutting-edge facilities.

## VENUE

It's only 20 minutes' drive to the Chengdu Shuangliu International Airport and 40 minutes' drive to the Tianfu International Airport. The metro station is connected with Chengdu Century City New International Convention and Exhibition Center which enables delegates to quickly go to the city center, the central business district, and many famous tourist attractions.







## HOTELS ACCOMMODATION

As for accommodation, Century City Paradise Complex is located within 500 meters from the Chengdu Century City New International Convention and Exhibition Center, providing over 1,500 rooms. Moreover, Chengdu has a variety of hotels options, from the top deluxe international brand hotels, Hilton Shangri-La, 5-star to 3-star hotels, high-quality boutique hotels to budget hotels.

About 1,500 rooms will be reserved by the LOC in various hotels including Inter Continental, Holiday Inn, and budget hotels. Information about the hotel descriptions, amenities and accommodation price will be available at [www.icold-cigb2025.com](http://www.icold-cigb2025.com) in Oct. 2024. Delegates will be able to make a hotel reservation through the website when they register for the Congress.







Day	Events		
	Morning	Afternoon	Evening
13 <sup>rd</sup> -15 <sup>th</sup> , May	Pre-Study Tour		
16 <sup>th</sup> , May (Friday)	Meeting of ICOLD Board	Meeting of TC Chairpersons	
17 <sup>th</sup> , May (Saturday)	ICOLD TC Workshops	ICOLD TC Workshops	
18 <sup>th</sup> , May (Sunday)	Meetings of TC Young Professionals Forum	Meetings of TC Young Professionals Forum Regional Clubs Meeting French-speaking Committees Meeting (TBD)	
19 <sup>th</sup> , May (Monday)	International Symposium Exhibition Opening	International Symposium Press Conference Exhibition	Welcome Reception
20 <sup>th</sup> , May (Tuesday)	Technical Visits General Assembly Workshops Exhibition	Technical Visits General Assembly Workshops Exhibition	Cultural Events
21 <sup>st</sup> , May (Wednesday)	28 <sup>th</sup> Congress Opening Ceremony Question 108 and 109: General reports Exhibition	Question 108 and 109: presentations Exhibition	
22 <sup>nd</sup> , May (Thursday)	Question 108 and 109: presentations Exhibition	Question 110 and 111: General reports and presentations Exhibition	
23 <sup>rd</sup> , May (Friday)	Question 110 and 111: presentations Exhibition	Question 110 and 111: presentations Closing Ceremony	Farewell Dinner
24 <sup>th</sup> -27 <sup>th</sup> , May	Post- Study Tour		







## CONGRESS QUESTIONS

Full papers for the 28<sup>th</sup> ICOLD Congress will be organized by National Committees. The questions for the Congress are the following:

- Question 108 Dams and reservoirs for climate change adaptation
- Question 109 Dams and levees fit for the future
- Question 110 Safety of dams and levees facing extreme hydrological events
- Question 111 Earthquake performance and safety of dams

## SYMPOSIUM

### **Theme**

Common Challenges, Shared Future, Better Dams

### **Topics**

- T1: Precautionary management of dams and river basin under climate change
- T2: Multifunctional development of dams and reservoirs
- T3: Technologies for dam construction under complex (extreme) conditions
- T4: Digital technology applied in dams and digital river basins
- T5: The role of dams in achieving the goal of reducing carbon dioxide emissions

### **Submission of Papers**

You are welcome to submit papers related to the topics above and contribute with your ideas and experience to the symposium. Now the online submission system is open where you can find submission tips, guidelines, and notifications. You may check the official website: [www.icold-cigb2025.com](http://www.icold-cigb2025.com) for more information about the submission procedure. The deadline for full paper submission is November 30, 2024.





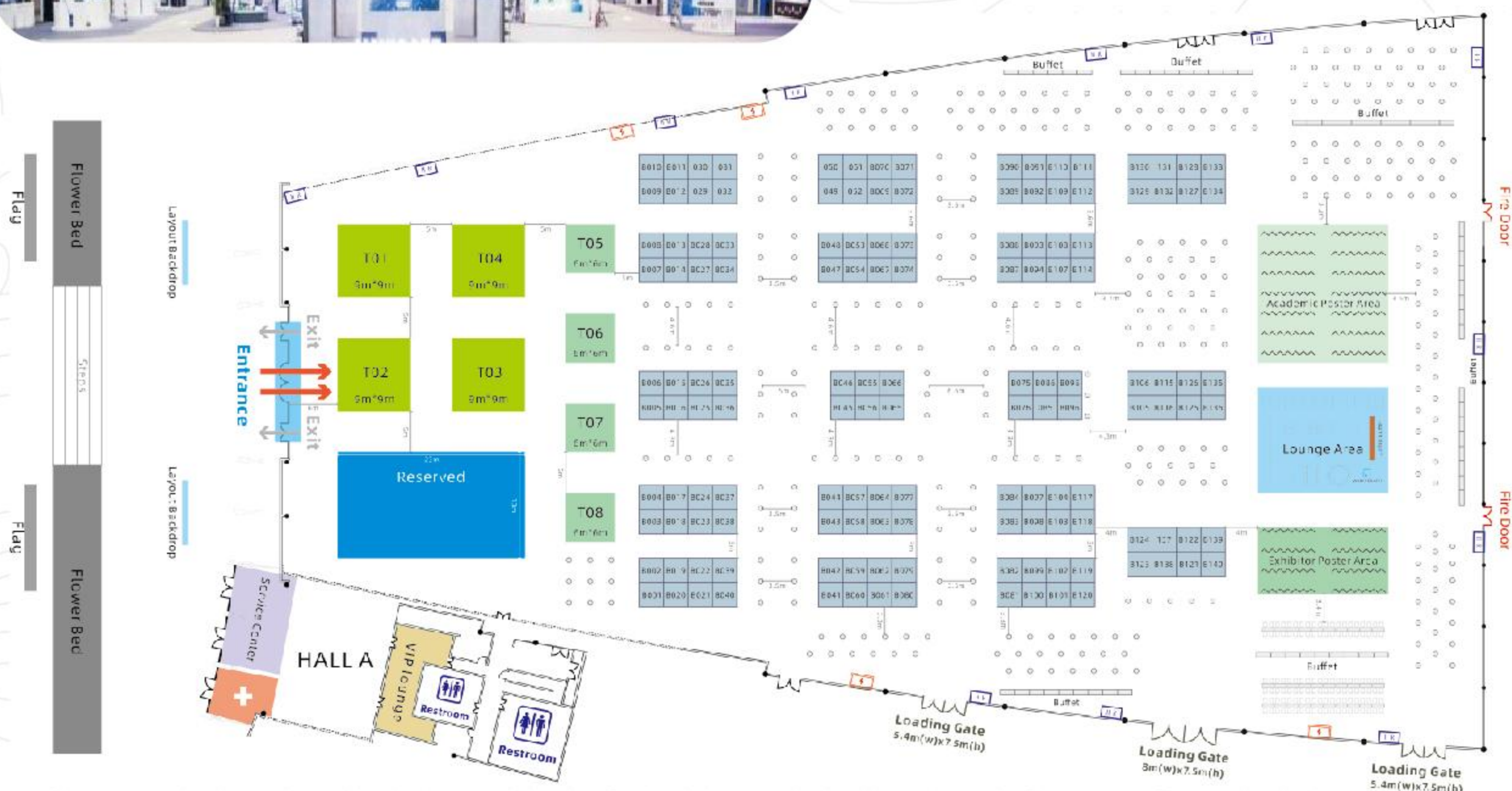
## Exhibition hall

The exhibition will be located in a hall, with an area of 11,000 m<sup>2</sup>, of the Chengdu Century City New International Convention and Exhibition Center. Products, technical solutions, cases and etc. related to dams, reservoirs and hydropower stations will be exhibited. Delegates will visit the exhibition, poster displays, and enjoy networking and refreshments, etc. Complimentary food & beverages will be provided for delegates.

The exhibition space is limited. Contact us now to reserve your space.



## Exhibition Layout



Note - The present layout is tentative and subject to change with more details. However, please be assured that booth allocation will be done on a first-come, first-served basis once the exhibition layout is finalized.

## Sponsors

Sponsorship and recognition opportunities may be customized upon request. For additional information, visit [www-  
w.icold-cigb2025.com](http://www.icold-cigb2025.com).

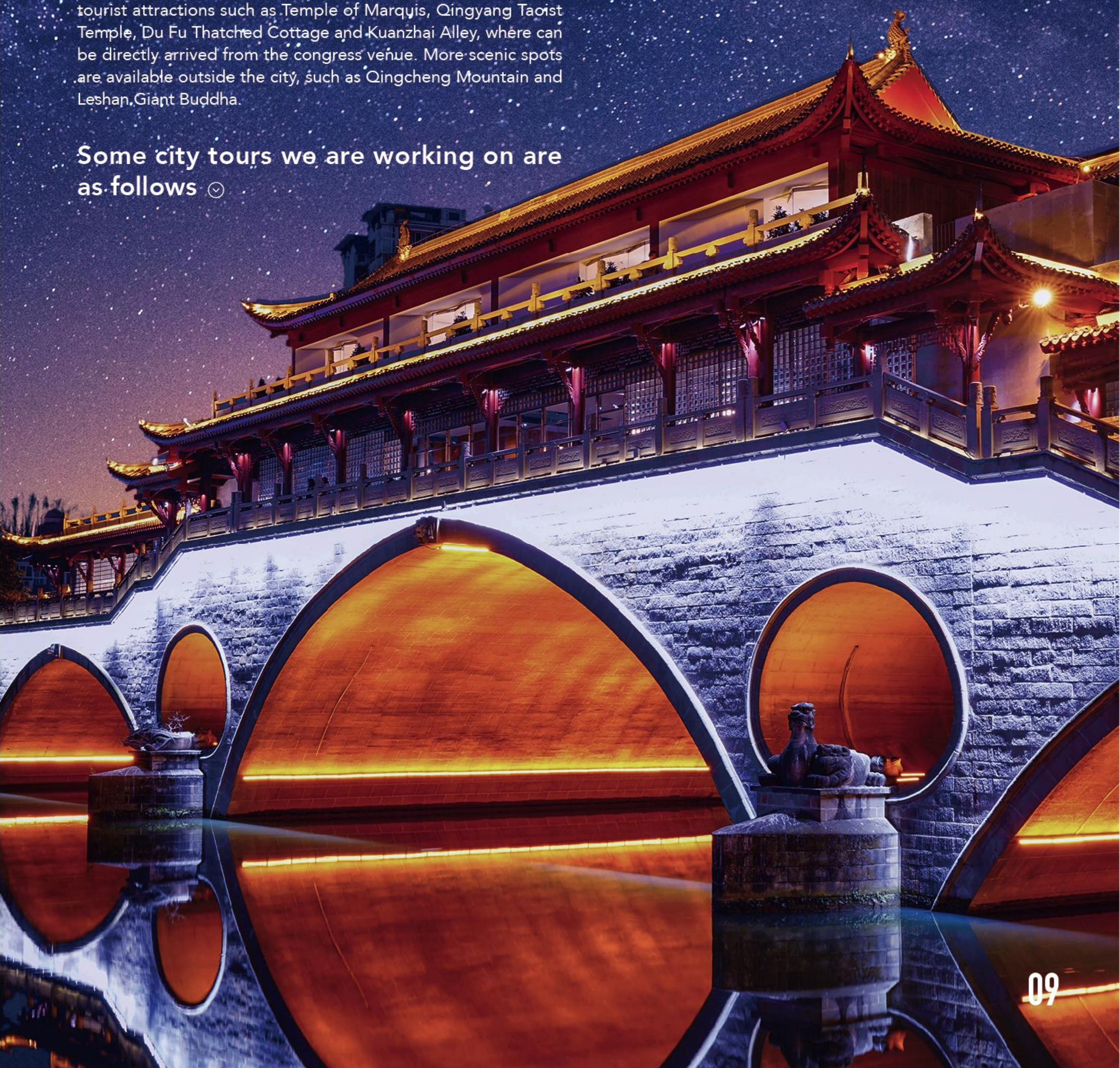




# CITY TOURS

Chengdu, the capital city of Sichuan Province, has many famous tourist attractions such as Temple of Marquis, Qingyang Taoist Temple, Du Fu Thatched Cottage and Kuanzhai Alley, where can be directly arrived from the congress venue. More scenic spots are available outside the city, such as Qingcheng Mountain and Leshan Giant Buddha.

Some city tours we are working on are as follows ☺







## Chengdu Giant Panda Breeding Base

It is one of the earliest institutions to study the breeding and protection of pandas in China, and one of the largest artificial panda breeding research centers in the world.

## Jinsha Site

It is an archaeological museum built to protect, study, and display the Jinsha culture and ancient Shu civilization (the center of ancient civilization in the upper reaches of the Yangtze River from the 12<sup>th</sup> century BC to the 7<sup>th</sup> century BC, approximately 3200-2600 years ago).



## Sanxingdui Museum

It's a cultural institution that displays the historical relics and artifacts excavated from the Sanxingdui archaeological site. This museum serves as a reminder of the rich heritage left behind by an ancient civilization 3000 to 5000 years ago. Its collections include a variety of archaeological finds spanning different periods of time.







## Qingcheng Mountain

It's one of the birthplaces of Taoism (Daoism), China's only indigenous religion. Qingcheng Mountain is a famous historical mountain and national key scenic spots, and in 2000 together with the Dujiangyan listed as a World Heritage List.



## Leshan Giant Buddha

Leshan Giant Buddha is a huge statue of Maitreya cut of a hill in accordance with the terrain, an amazing project in the 8<sup>th</sup> century that lasted for 90 years.



## Mount Emei

Mount Emei is one of the four most famous Buddhist mountains in China. It attracts a large number of tourists for its unique natural scenery and rich cultural heritage.







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# CULTURAL EVENTS

## SICHUAN OPERA FACE CHANGING

Performances with Chinese and local characteristics, such as face changing and Sichuan Opera will be arranged.





During the congress and annual meeting, technical visits are planned on 19<sup>th</sup> May.

Technical visits open to the delegates and to the accompanying persons are currently being developed.

## Dujiangyan Project – Zipingpu Concrete Face Rockfill Dam – Wenchuan Earthquake Memorial Museum

⌵  
Dujiangyan is the only surviving grand water conservancy project characterized by no dam diversion in the world. Zipingpu CFRD, 156-meter-high, survived from the "5.12" Wenchuan earthquake in 2008, is a multipurpose project for irrigation, water supply, hydropower and etc..





## Shapai RCC Arch Dam – Cheng- du Giant Panda Breeding Re- search Base



Shapai RCC arch dam is about 136km away from Cheng-  
du. With a height of 132m, it is the highest RCC arch dam  
under construction in the world at the end of the 20<sup>th</sup> cen-  
tury.





Delegates are encouraged to extend their stay in China as part of the pre- or post- study tours. These tours will include trips within different provinces in order to visit some of China's most representative dams and hydropower projects over the course of 2 to 4 days. Meanwhile, delegates have the opportunity to visit many cultural attractions in other cities of China, such as Terra-cotta Warriors, and Zhengguoqu Museum.

The projects may include the Three Gorges project, Danjiangkou dam of south-to-north water diversion project, Xiaolangdi Project, Nuozhadu dam, Shuangjiangkou Rockfill Dam, Baihetan project, Wudongde project, and Yangjiang Pumped Storage Power station, etc..

## Three Gorges project



Three Gorges Project is a key project for 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 given full consideration, especially the protection of rare and endemic fish species in the Yangtze River.







## Danjiangkou dam



The Danjiangkou Dam was built in 1967. As the water source project for the middle route of the South to North Water Diversion Project, the Danjiangkou Dam was designed to be raised by 14.6m. The dam height is 117m and crest length, 3442m, resulting in a corresponding increase in storage capacity of 11.6 billion m<sup>3</sup>. This is the largest dam raise project in China, which was started in Sept. 2005 and completed in Sept. 2013.





## Baihetan project



Baihetan Hydropower Station, with a 289-meter-high arch dam, is the second cascade of the four cascades station in the lower reaches of the Jinsha River. The total installed capacity is 16,000MW, with 1,000MW capacity of each unit. It has an average annual power generation of 62.443TWh and guarantees an output of 5,470MW. It is the second mega-scale hydropower station exceeding 10,000 MW designed and constructed in China. The project was put into full operation in Dec. 2022.





## Yangjiang Pumped Storage Power Station



The Yangjiang Pumped Storage Power Station is located in Yangjiang City, Guangdong Province. The Upper reservoir is RCC gravity dam with maximum height of 101m. The Lower reservoir is asphalt concrete core wall rockfill dam with maximum height of 55.1m. The high water pressure tunnels is a reinforced concrete lining type with maximum static water head of 799m. It has the first 800m water head reinforced concrete lined pressure pipeline, saving nearly 30% of the cost. At the same time, the power station is equipped with an advanced reversible pump turbine unit, the cost of about 200 million yuan.





## Shuangjiangkou Dam



The shuangjiangkou hydropower station is located on the main stream of Dadu River with the control reservoir of 2.9km<sup>3</sup>. The project is mainly aimed at power generation and flood control, with an installed capacity of 2000MW, annual average power generation of 7.7TWh, and regulated storage capacity of 1.9km<sup>3</sup>. The dam is a clay core rock-fill dam, with a height of 315m. It is the highest dam under construction in China, with a dam-filling volume of 44 million m<sup>3</sup>.





## Jinping I Dam



Standing as a 305-meter-high double curvature concrete arch dam, Jinping I Dam is the highest dam in the world recognized by Guinness World Record. Jinping I Hydro-power Station resides on the Yalong River and tops all other cascade hydropower stations in the lower reach of Yalong River. It has a total installed capacity of 3,600MW and a multi-year average annual power generation of 16.62TWh. Since it was put into operation, it has significantly improved the ratio of clean energy in local energy structure, assisted in the poverty alleviation of the west part of China, and helped the flood control of the Yangtze River.







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# GENERAL INFORMATION

Registration and hotel bookings - Information on registration and hotels will be found at [www.icold-cigb2025.com](http://www.icold-cigb2025.com).

A letter of invitation for obtaining travel visas will be available at the website when registration opens.

Passport and visa - Check with a Chinese high commission, embassy, consulate or travel agency to find out what documents are required to enter China. A list of countries and territories whose citizens require a visa to enter China as visitors can be found at website. Ensure that you review the new entry requirements now in effect regarding Electronic Travel Authorizations for visa-exempt foreign nationals.

Language - Chinese (mandarin) is the national language of China, and English is widely spoken in educated circle.

Weather - The weather in May can range from a low temperature of 17 Celsius degrees, to a high one of 26 Celsius degrees; average rainfall is 104-115mm.

Currency - Chinese Yuan (RMB)

Electricity - China's electrical supply and outlets (sockets, wall plugs) are different from those found in the United States and Europe. The electrical supply is 220 Volts and 50 Hertz (cycles per second).

Local Transportation - ICOLD 2025 hotels will be arranged within a walking distance to the conference center and exhibition hall. There are city buses, subways and taxi systems in Chengdu. You can choose among these systems and obtain convenient trip planning tools on their websites. Chengdu is very safe for city walking.

Contact email: [icoldcigb2025@outlook.com](mailto:icoldcigb2025@outlook.com);

[icoldcigb2025@iwhr.com](mailto:icoldcigb2025@iwhr.com)





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