



INCOLD
Indian National Committee
on Large Dams

INTERNATIONAL DAM SAFETY CONFERENCE



Central Water Commission

International Commission on Large Dams



Michel de VIVO
ICOLD Secretary General



10-12 October 2022 at Jaipur, Rajasthan (India)



Indian National Committee on Large Dams

INTERNATIONAL DAM SAFETY CONFERENCE



Dam Safety is crucial for dams

- ❖ Major accidents on every continent during the last years :
 - Brazil, Colombia, USA in America
 - but also Laos, Russia, United Kingdom...

ICOLD made in 2019 a World Declaration on Dam Safety

- ❖ ICOLD has prepared that declaration during year 2019.
 - After consultation with 100 ICOLD National Committees
 - And 3 other International Organizations: ICID, IHA, IWRA





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What Is ICOLD?

International Commission On Large Dams
was founded in **Paris in 1928**.



104 Countries

20 000 Individual Members

10-12 October 2022 at Jaipur, Rajasthan (India)



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ICOLD leads the profession in setting **Guidelines** to ensure that dams are built:

- **Safely**
- **Economically**
- in an **Environmentally & Socially** sustainable manner.

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ICOLD is a World Forum of experts who work and exchange on dam engineering

❖ **27 Technical Committees**

700 experts working 3 to 5 years on specific subjects for producing Bulletins representing the world experience and knowledge as Guidelines for all the profession.

❖ **4 Questions submitted at the ICOLD Congress**

Every 3 years, all the 104 country members present reports of their best works on the 4 main current questions (chosen by all the dam community). These reports are debated & published at the Congress.

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ICOLD a large world Forum of work and exchange

- ❖ Annual Meetings & Congresses real Forum for Sciences for about 100 countries
- ❖ One-week place for expression for 1000 to 2000 experts
- ❖ Technical Committees days
- ❖ Regional Club Meetings (Africa, Asia, Europe, America)
- ❖ International Symposium & special Workshops
- ❖ International Exhibition
- ❖ Young Engineers Forum specially reserved for < 40 years
- ❖ Special Young Awards for the best reports at Symposium
- ❖ Innovation Awards and Honorary Awards
- ❖ General Assembly of its 104 Country Members
- ❖ Congress on 4 questions debates (every 3 years)
- ❖ Technical Tours, Study Tours
- ❖ Prestigious Ceremonies, cultural events and gala dinners..

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ICOLD's main Focus

- Dam Safety
- Social & Environmental Impacts
- Water Management
- Cost Analysis
- Monitoring of Performance
- Reanalysis of Older Dams
- Sharing International Rivers
- River Basin Development
- Sedimentation
- Seismicity
- Climate Change
- Etc...



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ICOLD PUBLICATIONS

- Congress & Symposia Proceedings
- Bulletins & Guidelines on knowledge
- World Register on Dams & Dictionary
- World Declarations etc...



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Regional Clubs are very active

- ❖ Regional Clubs are more and more active and attractive
- ❖ Regional Clubs discuss the specificities of the regions
- ❖ Example: “Hydropower Europe”, a research project on the future of Hydropower, launched by European Union, for which ICOLD is the leader.
- ❖ Example: Regional meetings in Africa, co-organized with Aqua Media International and with the strong involvement of the African Club.
 - Ethiopia (2013), Morocco (2017), Namibia (2019), Uganda (2023)



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Asia Pacific Group is very active



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@ICOLD_CIGB2022 ICOLD-CIGB MARSEILLE 2022

Last Congress was in Marseille

A GREAT SUCCESS
DESPITE THE VARIOUS CRISIS!!!

with Around 1 500 participants
from about 70 countries

A very large participation of India!
(3rd after France and USA)

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Last Congress was in Marseille in June 2022

A new President and 4 New Vice-Presidents were elected!

The new Board of ICOLD is:

President

Michel LINO (France)

Vice-President

Quentin SHAW (South Africa)

Vice-President

Dean DURKEE (USA)

Vice-President

Laurent MOUVET (Swiss)

Vice-President

Joakim PIMENTA (Brazil)

Vice-President

Devendra SHARMA (India)

Vice-President

Enrique CIFRES (Spain)



Pdt Michel LINO

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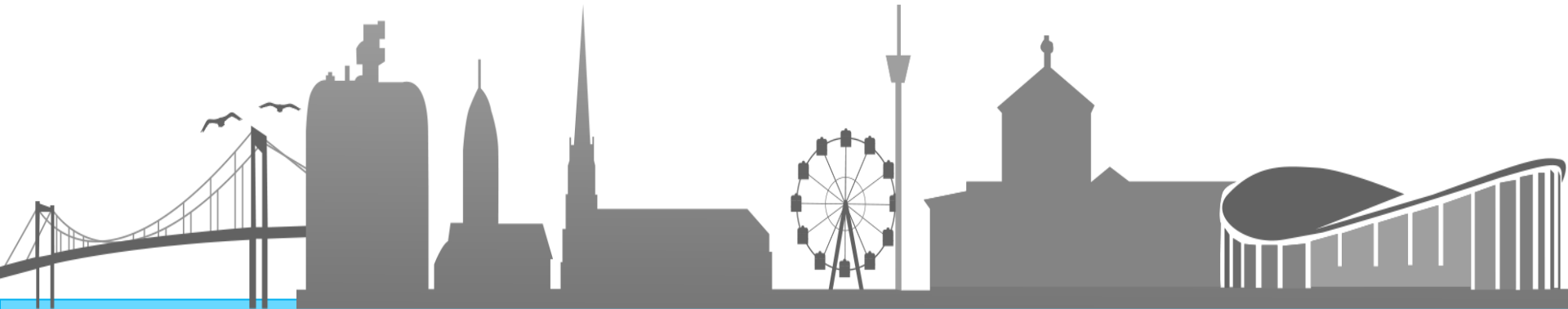
INTERNATIONAL DAM SAFETY CONFERENCE



Next ICOLD Annual Meeting in Sweden!

Gothenburg 2023

11-16 June 2023



10-12 October 2022 at Jaipur, Rajasthan (India)



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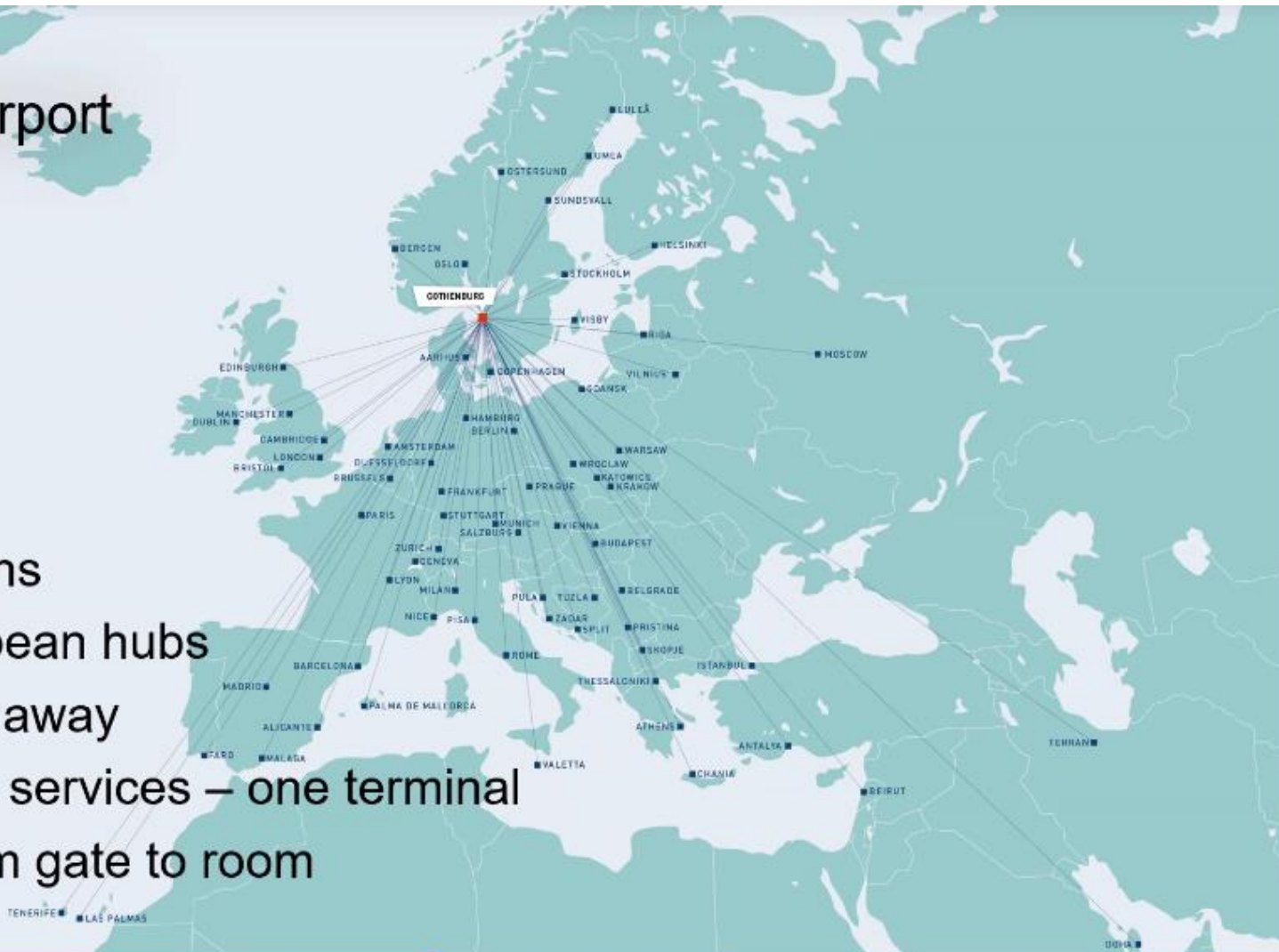
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International airport

- ~ 60 destinations
- All major European hubs less than 2 hrs away
- Efficient airport services – one terminal
- 45 minutes from gate to room



10-12 October 2022 at Jaipur, Rajasthan (India)



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Dam Rehabilitation & Improvement Project



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WELCOME TO GOTHENBURG

**ICOLD ANNUAL MEETING
11-16 June 2023
in Gothenburg, Sweden**

10-12 October 2022 at Jaipur, Rajasthan (India)



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Gothia Towers
Europe's largest and most diverse, fully
integrated meeting & event venue in the heart
of Scandinavia.



SVENSKA MÄSSAN
THE SWEDISH EXHIBITION & CONGRESS CENTRE

GOTHIA TOWERS

10-12 October 2022 at Jaipur, Rajasthan (India)



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INTERNATIONAL DAM SAFETY CONFERENCE



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Venue

Swedish Exhibition & Congress Centre Gothia Towers

- Fully integral **hotel and congress facility**.
- **Excellent exhibition facilities** with full service provided.
- **Lounge areas** next to the conference.
- **In-house hotel complex** of three towers offer 1 200 rooms.
- **Hotels, restaurants and cafés, parks, culture and shops** conveniently located within walking distance.



10-12 October 2022 at Jaipur, Rajasthan (India)



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Close to the venue

In the heart of Gothenburg

Within 5 min walking

- 3 000 hotel rooms and 90 restaurants

Within 25 min walking

- 7 500 hotel rooms and 400 restaurants

Different categories of rooms

- 1-5-star hotels, hostels and B&B

Recreational facilities within 5-10 min walking

- Universeum, World Cultural Heritage Museum, Liseberg amusement park, Concert hall, Museum of Art etc.



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General Program

Day	General Program	Technical Exhibition	Symposium	Social Program	Workshops	Courses	Study Tours
June 5-9	• Study Tours						Pre Conf. Tours
Saturday June 10	• Meeting of ICOLD Board				All day	All day	
Sunday June 11	• Meeting of ICOLD Board • Chairmen Tech. Cttees Meeting • Regional Clubs & YEF • Technical Cttees Workshops	Opening		Welcome Reception			
Monday June 12	• Technical Cttees Meetings	All day					
Tuesday June 13	• Symposium	All day	All day	Cultural Evening			
Wednesday June 14	• Technical Excursions • Symposium or Workshops	Half day	Half day	YEF Social Program	Half day		Techn. Excursions
Thursday June 15	• General Assembly • Workshops			Farewell Dinner	All day		
Friday June 16	• Study Tours						Post Conf. Tour

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Symposium Management for Safe Dams

**Deadline for abstracts:
October 16, 2022**

- Dams are a benefit to the society. The purpose of this symposium is to share information from case studies, technologies and innovations to increase the safety of dams and their associated benefits.
- There is a growing interest from both authorities and investors that contribute to the development and complements ICOLD initiatives. Global Standard On Tailings Management and updating of national legislation and guidelines are examples.
- We encourage contributions on the six themes for dams with various purposes such as hydropower, flood control, irrigation and other uses, as well as mining tailings.

Symposium Themes

1. Dam safety management
2. Surveillance and condition monitoring
3. Analysis, modelling and decision making
4. Rehabilitation and dam safety measures
5. Climate & environmental adaption
6. Innovation

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Workshops & Short Courses

- New ICOLD Tailings bulletin (SC)
- Static Liquefaction (SC)
- Concrete Dam Modelling (SC)
- Capacity Building (WS)
- Rock Engineering Issues (WS)
- Defect Detection in Embankment Dams (WS)
- Operational Safety of Dams & Reservoirs (WS)
- Strategies & Adaption to Changing Climate (WS)
- Environmental Adaption of Dams (WS)

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Dam Rehabilitation & Improvement Project



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General Program

Accompanying persons
program, prel. list

- Guided city tours by bus or boat
- Guided city tours walking
- Bus tours to towns and fishing villages around Gothenburg with visits to museums and other sites of interest
- Boat trips in the archipelago



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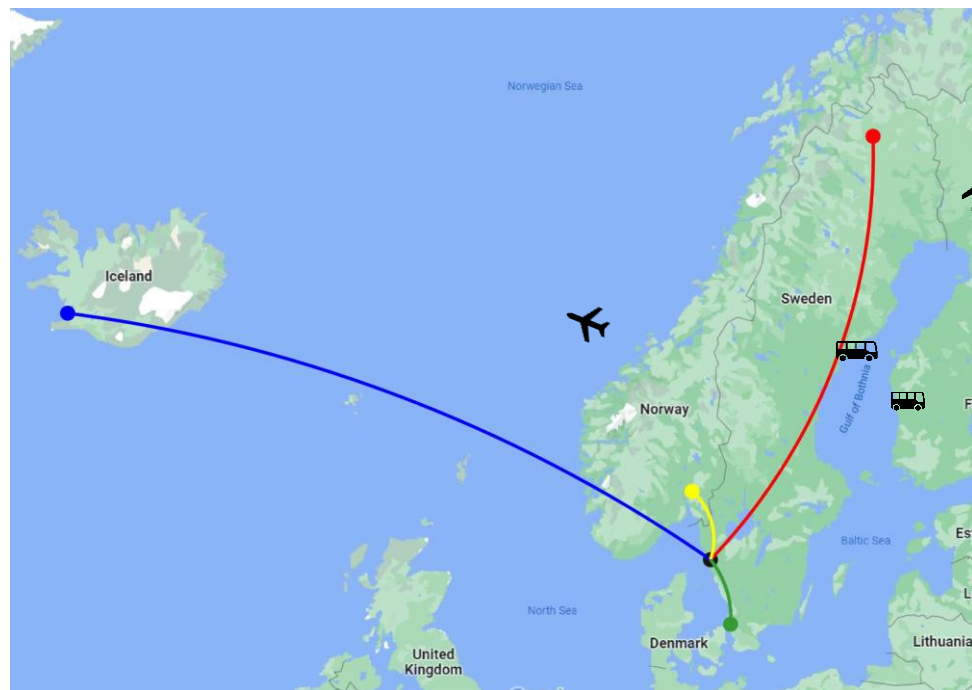
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Pre & Post-Conference Tours

- Northern Sweden
- Southern Sweden
- Norway and Western Sweden
- Iceland



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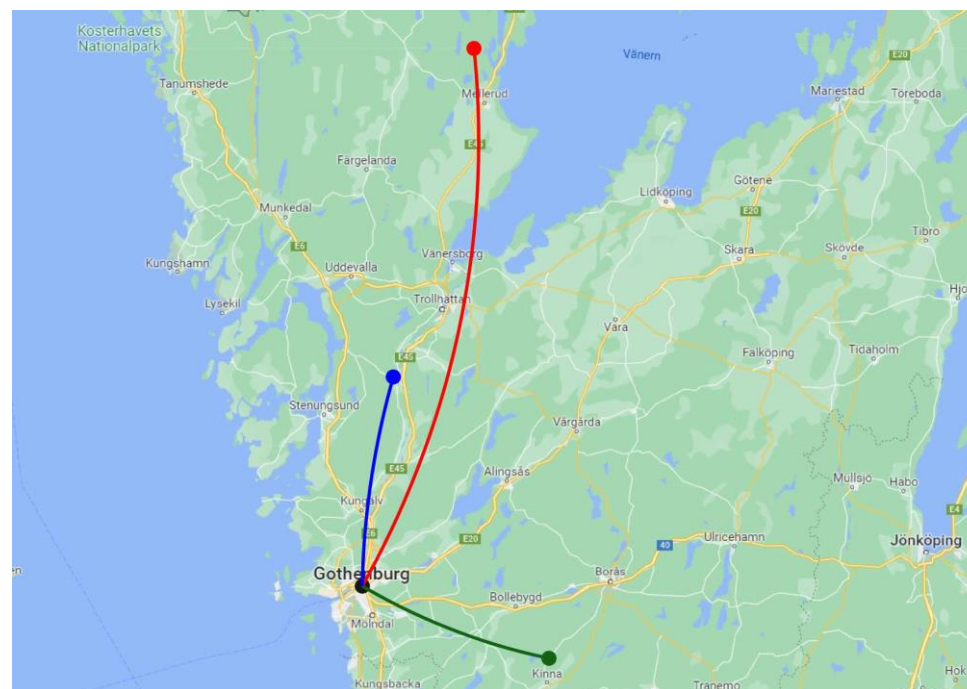
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Technical Tours (1 day Trip)

- **Gota river** – dams and ship locks
- **Viskan river** – small dams
- **Upperud river** – small hydro, locks



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WELCOME TO SWEDEN IN 2023

10-12 October 2022 at Jaipur, Rajasthan (India)



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92nd ICOLD ANNUAL MEETING & SYMPOSIUM
18th to 24th October, 2024

New Delhi (India)

10-12 October 2022 at Jaipur, Rajasthan (India)



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सत्यमेव जयते

CALL FOR PAPERS



92nd Annual Meeting
INTERNATIONAL
COMMISSION ON
LARGE DAMS

Symposium on
**DAMS FOR PEOPLE,
WATER, ENVIRONMENT
AND DEVELOPMENT**

NEW DELHI
OCTOBER 18-24
2024



ORGANIZED BY



HOSTED BY



SUPPORTED BY

MINISTRY OF JAL SHAKTI
DEPARTMENT OF WATER RESOURCES,
RIVER DEVELOPMENT & GANGA REJUVENATION

MINISTRY OF POWER

IN COLLABORATION WITH



www.icold2024.org



10-12 October 2022 at Jaipur, Rajasthan (India)



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Symposium Theme: Dams for People, Water, Environment and Development

1. Dams and People
2. Integrated Reservoir Management (Basin Approach)
3. Dams and Climate Change Adaptation
4. Dams and Renewable Energy
5. Dam Engineering and Construction
6. Dam safety management and engineering
7. Dam Rehabilitation and Improvement
8. Environmental and Social Aspects
9. Evolving with modern technology for dam construction



Tehri Dam Reservoir

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Workshop Topics

1. Application of Geo-synthetics in Dam Engineering
2. Risk Informed Dam Safety Management
3. Tailing Dam Safety
4. Dam Repairs and Rehab – Deciding Design and Safety Criteria
5. Numerical analysis of dams
6. Sedimentation Management. in Reservoirs for Sustainable Development.
7. Pumped hydropower storage – The need to support high penetration of renewable energy.

Special Sessions

Innovative Financing of dam projects



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Programme Schedule

Date	Technical Programme	Accompanying Person Programme	Social Programme
Friday 18th October 2024	ICOLD Board Meeting (09:00 - 18:00)		Dinner of ICOLD Board + INCOLD Reps (19:30 - 22:00)
Saturday 19th October 2024	Registration (09:00 - 17:00) ICOLD Board Meeting (09:00 - 12:00) Meeting of ICOLD Board and Chairmen of Technical Committees (14:00 - 17:00) ICOLD Board + Local Organizing Committee (17:00 - 18:00) Congress Questions Panel meeting (18:00 - 19:00)	New Delhi City Tours (14:00 - 17:00n hrs)	Dinner of Board + LOC and Technical Comm. (20:00 - 22:00)
Sunday 20th October 2024	Registration (09:00 - 17:00) Workshop on Pumped Storage Development (14:00 - 18:00) Workshop on Tailing Dam Safety (09:00 - 18:00) Technical Committees Workshops (09:00 - 18:00) Young Engineers Forum Activity (10:00 - 18:00) Meeting of Indian National Committee on Dam Safety, India 10:30 - 13:00	City Tours	Welcome Reception (20:00 - 22:00)
Monday 21st October 2024	Technical Committees Meetings (09:00 - 16:30) Technical Exhibition Opening Ceremony ICOLD Regional Clubs Meetings (17:30 - 19:00) Young Engineers Forum Poster Session in Parallel (17:00 - 19:00)	City Tours	Young Engineers Social Evening (19:00 - 21:30)
Tuesday 22nd October 2024	Opening Ceremony-ICOLD Symposium on Dams for People, Water, Environment and Development (09:30 - 11:00) Press Conference (Political, Board, INCOLD and Journalists (11:00 - 11:30) ICOLD Symposium Contd. (11:30 - 18:00) Technical Exhibition Francophone Delegates Meeting (18:00 - 19:00)	City Tours	Cultural Event (19:30 - 22:00)
Wednesday 23rd October 2024	ICOLD Symposium (09:00 - 18:00) Special Session on Innovative Financing of Dam Projects (9:30 - 11:00) Technical Tours (Virtual) at Pragati Maidan/ Visit to Agra (08:00 - 19:00) Technical Exhibition	City Tours	Specific Private Receptions (20:00 - 22:00)
Thursday 24th October 2024	91st ICOLD General Assembly (09:00 - 18:00) Workshops - 6 Nos. (09:00 - 18:00)	City Tours	Farewell Dinner (19:30 - 22:30)

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Venue – International Convention Centre



Short Movie About Venue (5 minutes Duration)

<https://www.youtube.com/watch?v=l-uwBTySd-l>



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Field Visits / Post Tours



Tehri Dam

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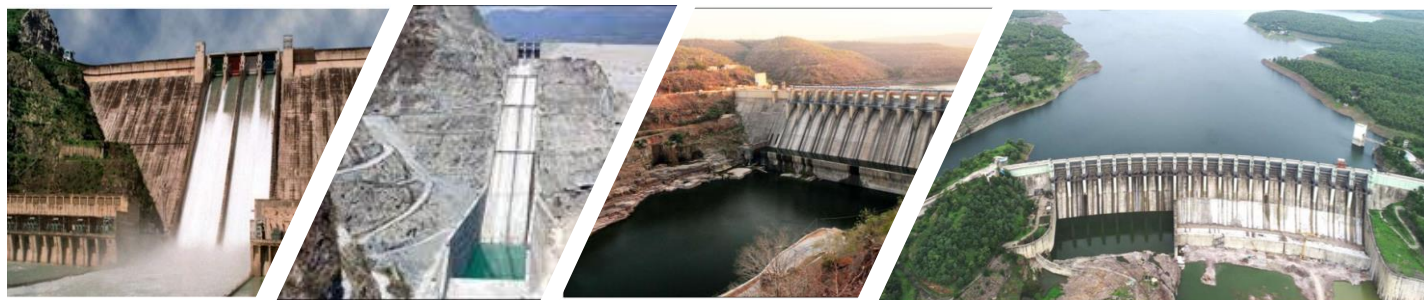
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Dam Rehabilitation & Improvement Project



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TECHNICAL VISITS



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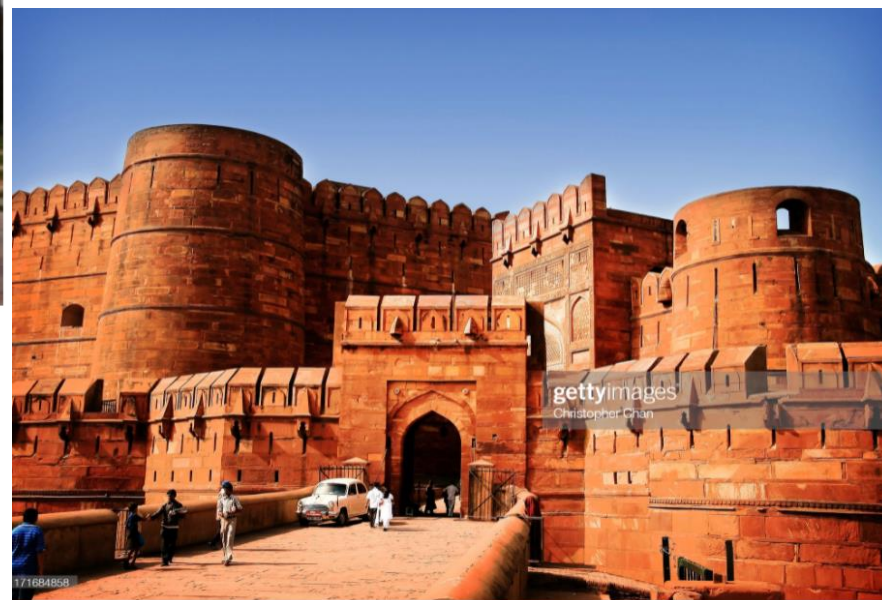
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Field Visits / Post Tours



Taj Mahal

Agra Fort



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Field Visits / Post Tours



Beaches in Goa



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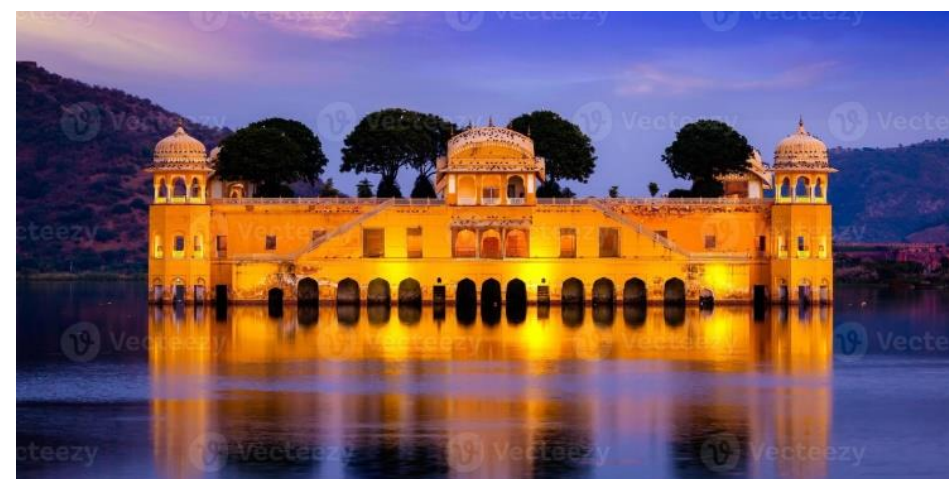


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Nearby Touristic Cities

JAIPUR

- Just 250 KMs / 4 hour drive from Agra
- Home to one of the best forts in **India...The Amber Fort**
- Also visit City Palace & Jantar Mantar (Observatory)
- En route you can also visit **Bharatpur Bird Sanctuary**
- Opportunity for vintage car tour, elephant Safari, hot air ballooning
- Best of north Indian cuisine options



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**A great opportunity for India
to show the world its knowledge and experience
in the field of dams and especially in Dam Safety !**



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Welcome to ICOLD NEW DELHI 2024 !



Website: www.icold2024.org

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I wish you a fruitful conference !

« *Better dams for a better
World!* »

www.icold-cigb.org



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