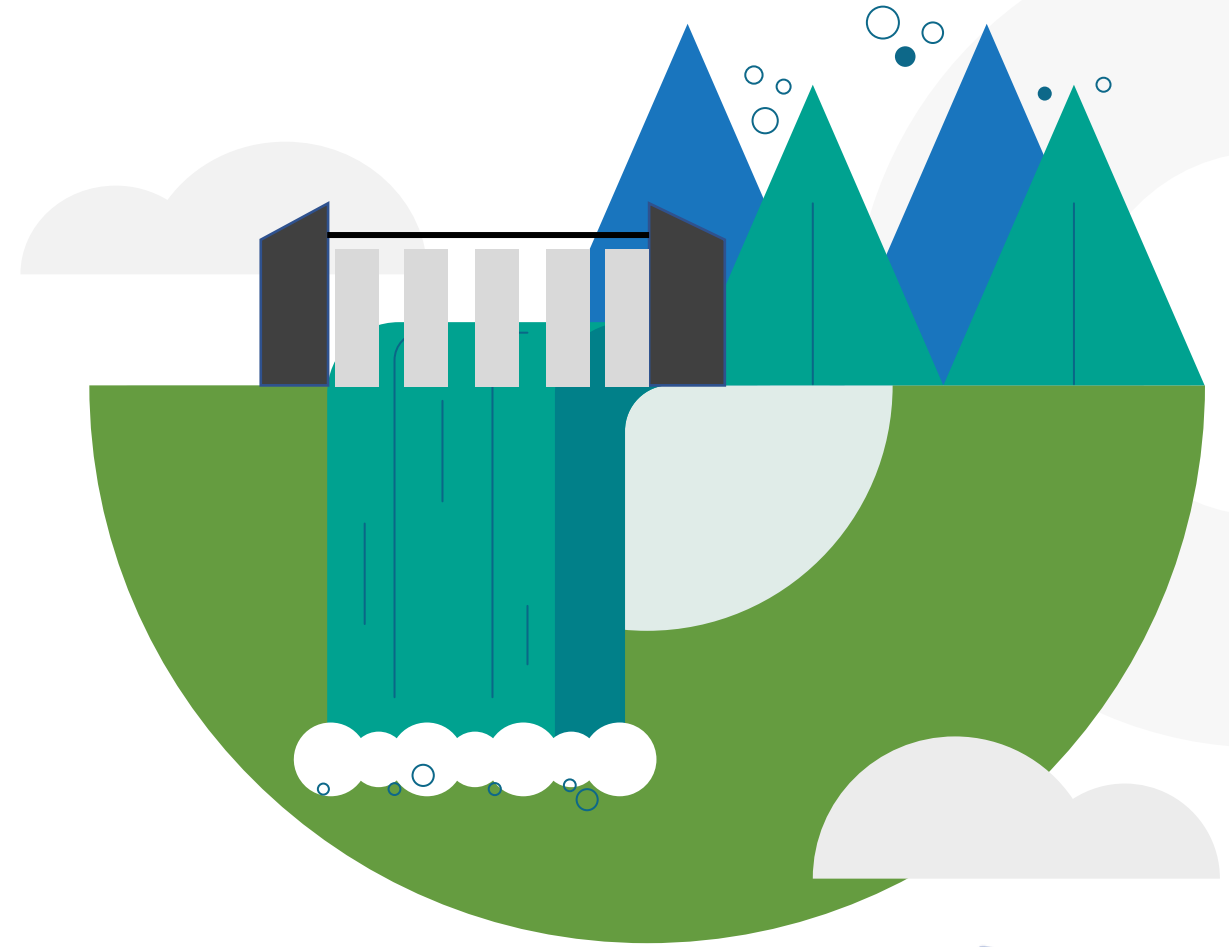


International Dam Safety Conference



Dams & Young Professionals



INDIA

Amit Gautam

Hydropower Div., WAPCOS
Chairman, INCOLD YPF
Board Member, ICOLD YEF



वाष्कोस लिमिटेड
WAPCOS LIMITED

(भारत सरकार का उपक्रम)
जल शक्ति मंत्रालय
(A Government of India Undertaking)
Ministry of Jal Shakti

WHY?

WHAT?

HOW?

Ranked 3rd in the world in terms of large dams.

Young Professionals In DAM SAFETY

5500+ Large Dams & **411 Under Construction**

Sources: NRLD (2019)

Expansive Population Pyramid **62%** is workable population

India is experiencing a demographic window of opportunity, a **“youth bulge”**

High Younger Population

Multi disciplinary Application- Geotech, Water, Structure, EQ, Mechanical, etc. then there are non- Engineering aspect too

Hydro-climatological challenges Will keep on Knocking on doors

Right Mix of youth & experience.

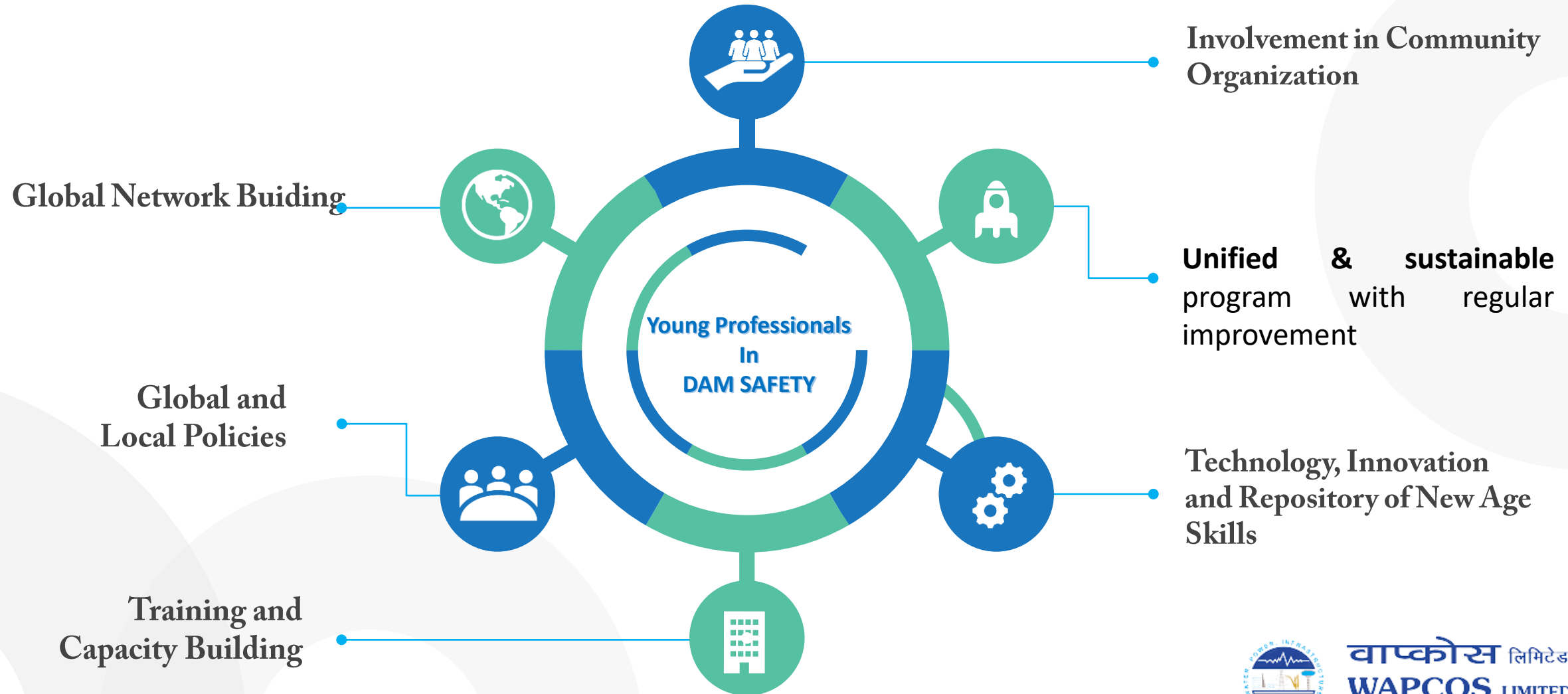
New Dams & Rehabilitation- Both



WHY?

WHAT?

HOW?



WHY?

WHAT?

HOW?

OBJECTIVES	Priority Areas
<p>Create a productive workforce that can make a sustainable contribution to India's Dam Rehabilitation Program</p> <p>Develop a strong and healthy generation equipped to take on future challenges</p>	<ul style="list-style-type: none">• Education & Job• Government Policies• Skill development• Entrepreneurship
<p>Instil social values and promote community service to build national ownership towards Dams Safety</p>	<ul style="list-style-type: none">• Promotion of social values• Youth Engagement
<p>Facilitate participation and civic engagement at all levels of Dam Safety Management</p>	<ul style="list-style-type: none">• Participation in Dam governance• Youth engagement

Support from the Experienced Professionals to create equitable opportunity for all the Young Professionals



ICOLD YOUNG ENGINEER'S FORUM

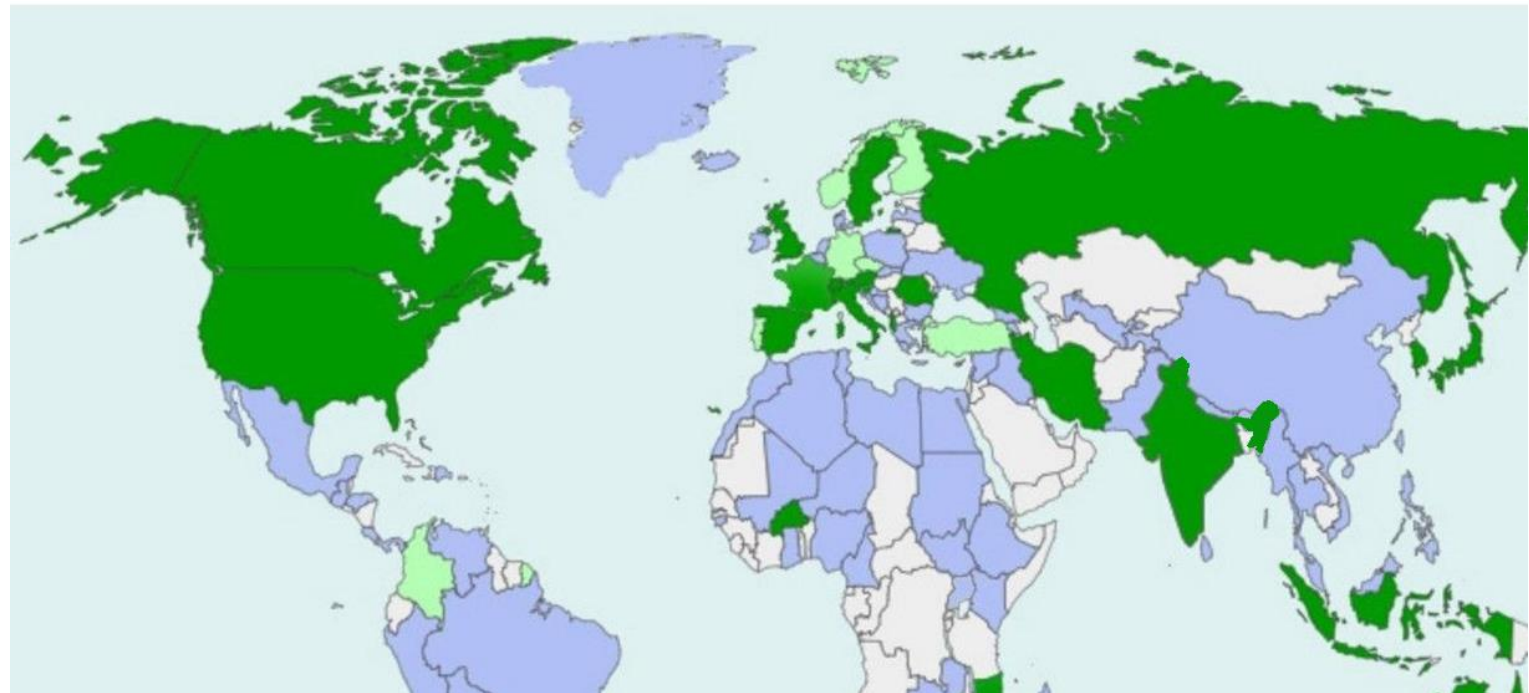
ICOLD was founded in 1928
Participants- 104 Countries

2009 YEF Proposed to ICOLD Board
2010 YEF Approved by ICOLD Board
2011 First Official meeting (Lucerne, Switzerland)



**ICOLD YEF
History**

Australia	Italy	Albania
Russia	Czech Rep.	Switzerland
Argentina	India	USA
United Kingdom	South Africa	Japan
Mozambique	Sweden	Romania
Greece	Spain	France
Iran	Slovenia	Austria
Indonesia	New Zealand	Korea
Canada	Burkina Faso	Norway



INDIA in ICOLD YEF BOARD



**Gabriella
Molinder**
Sweden



**Giulia
Buffi**
Italy



**Amit
Gautam**
India



**Wilberforce
Manirakiza**
Uganda



**Tim
Ivanov**
Russia



**Florent
Bacchus**
France



**Mateja
Klun**
Slovenia

ICOLD Board Members

Chair

**In Marseille, France
2022**

11-10-2022



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INCOLD YOUNG PROFESSIONAL'S FORUM



01

Established in June 2021



02

Governing body of 10



03

Over 50 young engineer's

04



Government & corporate

05



Policy Makers

Boa

- Design & Engineering
- Policy makers
- Academia & Research
- Construction companies &
- Monitoring units

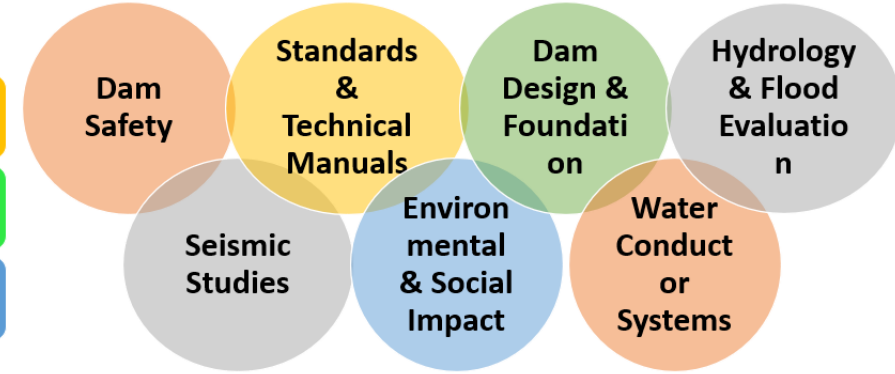
YEF ANNUAL EVENTS

Webinars

Live Sessions/ Workshops

Conference/ Training/ Workshop in association with ICOLD/ INCOLD

YEF TECHNICAL THEMES



Chair
(WAPCOS)



Vice Chair
(CWC)



Secretary Technical
(IIT Jammu)



Secretary Technical
(CWC)



Secretary Technical
(BITS Pilani)



Secretary Media
(FAMS India)



Secretary Resources
(NHPC)



Secretary Outsourcing
(SMEC)



Secretary Management
(THDC)

11-10-2022



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RECENT ACTIVITIES- YEF



HYDRO CLIMATOLOGICAL IMPLICTAIONS ON DAM SAFETY
Webinar #2
 INCOLD YPG | ITCOLD YPG & ICOLD YPG

THE FUTURE OF RIVERS
 OCTOBER . 26 . 2021
 17:30 - 18:35 (IST) | 14:00H - 15:05 (GMT+2)
 ONLINE WEBINAR VIA MS TEAM

3DAY International Conference on Hydropower & Dam Development

Multiple webinars & Training Sessions with



ICOLD YOUNG ENGINEERS FORUM
 YEF National Committees

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National YEF established (23)

Australia	Iran	Korea	USA	South Africa
Russia	Indonesia	Norway	Japan	Sweden
Argentina	Canada	Burkina Faso	Italy	Spain
UK	Romania	Albania	Czech Rep.	Mozambique
France	Switzerland	India		



Recently concluded webinar - «The Future of Rivers»
 INDIAN NATIONAL COMMITTEE ON LARGE DAMS- YOUNG ENGINEERS FORUM



STATUS OF DAMS IN INDIA

CASE STUDY - DAM BREACH

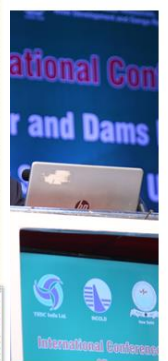
HYDRO CLIMATOLOGICAL IMPLICTAIONS ON DAM SAFETY
 Webinar #2
 INCOLD YPG | ITCOLD YPG & ICOLD YPG



Get involved

Join the online meetings and Webinars

ICOLD Annual Meeting, June 2023, Gandhinagar, Gandhinagar, Gandhinagar, Gandhinagar, Gandhinagar



Enjoy the Session



International Dam Safety Conference October 10-12, 2022 at Birla Auditorium, Jaipur, India



Young Professional Forum (YPF) Speakers Oct. 11, 2022



Amit Gautam
Chair, INCOLD YPF &
WAPCOS



Abhinav Srivastava
Vice Chair, INCOLD YPF &
Central Water Commission



Dr. Adrian Morales Torres
iPresas Risk Analysis,
Spain



Dr. Javier Fluixa Sanmartin
iPresas Risk Analysis,
Spain

Helena Yarritu Sanchez
iPresas Risk Analysis, Spain



Ankur Sharma
Secretary Resources – INCOLD YPF &
Dy. Manager – NHPC Limited



Giulia Buffi
ITCOLD & Romagna Acque Spa



Dr. Viraj Loliyana
Secretary Media - INCOLD YPF &
FAMS Design Solution



Dr. Ritesh Patro
University of Oulu, Finland

Role of Young Professionals in Dam Safety

11:30-11:45 hrs IST

Managing Dam Safety Risks over Time including Climate Change

11:45-12:00 hrs IST

DAMS: Mitigation & Adaption in Design as per Climatological Challenges

12:00-12:15 hrs IST

Post Seismic Shock Controls on Dams and the Procedures of 'Dam Risk' and 'Downstream Valley Risk'

12:15-12:30 hrs IST

Energy Infrastructure Risk against Flood in a Changing Climate: A Case Study

12:30-12:45 hrs IST

Assessment of Current Reservoir Sedimentation Rate and Storage Capacity Loss: An Italian Overview

12:45-13:00 hrs IST

Organised by



Dam Rehabilitation & Improvement Project



Central Water Commission



Indian Committee on Large Dams



Central Board of Irrigation & Power



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11-10-2022

ISO 9001:2015

Get Involved

Follow and get actively involved in our LinkedIn group



[Indian Committee on Large Dams- Young Professional Group : Overview | LinkedIn](#)



[YEF-ICOLD \(Young Engineers Forum\) | Groups | LinkedIn](#)

Join the online meetings, social evening, YEF award and Webinars

Visit us at: Incold.co.in

You can contact us by email: Incold.yef@gmail.com



ICOLD Annual Meeting, June 2023, Sweden, Gothenburg
[International Commission on Large Dams \(icold-cigb.org\)](http://icold-cigb.org)



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THANK YOU