



# RISK ANALYSIS APPLIED TO DAM SAFETY MANAGEMENT



14 October, 2021

11.30-13.00 hours (13.00-14.00 hour lunch break) 14.00-15.30 hours

## ABOUT THE SPEAKER



**Professor IGNACIO ESCUDER BUENO** holds a 6-Year (Bachelor plus Master's) Degree in Civil Engineering from the Universidad Politécnica of Valencia (UPV, Spain), a Master of Science in Civil Engineering from University of Wisconsin – Milwaukee (UWM, USA) and a PhD in Civil Engineering from UPV. He is member of the Spanish Institution of Civil Engineers (Registered

Professional Engineer since 1996). He is a University Professor at UPV as well as promoter and associate founder of iPresas (a technology based SPIN-OFF company of UPV). He has been Visiting Professor at University of Maryland (USA, 2014) and Utah State University (USA, 2006) and Teaching Assistant at UWM (USA, 1995-1996).

He is President of SPANCOLD since December 2017. He has been Chairman of the International Committee on Dams Computational Aspects of the International Commission on Large Dams (ICOLD) 2011-2017, and Secretary-General of ICOLD European Club since 2010-2017.

In the last 20 years, he has worked as a consultant in areas related to safety studies, risk analysis and design projects concerning more than 150 dams and hydropower facilities in Europe, Asia and America. He currently serves as member of the Independent Expert Panel for reviewing US Army Corps of Engineers Dam Safety Program and has led the team that developed the "Guidelines for Assessing and Managing Risks Associated with Dams" for the Central Water Commission, Government of India, in 2019 (visit [www.ipresas.com](http://www.ipresas.com) for updated information)

## HOW TO REGISTER

The perspective participants, desirous of attending the above Virtual Training Session may register themselves by sending the following details to us via email along with necessary payment detail:

Name : .....  
Designation : .....  
Organization : .....  
Email ID : .....  
Mobile No. : .....

NOTE : After registration, the participants will be provided the link 1 day prior to the session to participate in the Technical session.

Platform : MS Team

## ABOUT THE PROGRAMME

This course aims at providing basic concepts on the application of risk analysis techniques to dam safety management, presenting available tools for risk analysis and lessons learned from real cases worldwide during the last decade.

The recently published "DRIP Guidelines for assessing and managing risks associated with dams" (Central Water Commission, India, 2019) will be the main technical reference of the program, which will include practical cases and the use of quantitative risk analysis free software.

During the course, the benefits of risk-informed dam safety governance will be exposed and discussed as well as the practical implications of risk outcomes in terms of dam safety investments decision making.

## SUB-TOPICS

- Overall view to dam safety risk governance, including worldwide examples.
- Risk framework: screening, qualitative and quantitative phases, as per DRIP Guidelines.
- Risk indicators & prioritization of dam safety investments.
- Risk models: practical cases using iPresas HidSimp software tool
- Risk outcomes and dam safety decision making, including open discussions.

1:30 hrs. for basic principles and 1:30 hrs. for a practical exercise with software

**Pre-requirement for Practical Exercise** : It is prerequisite to download iPresas HidSimp. The participants may download it from : <http://www.ipresas.com/en/downloads/>

## FACILITATION FEE

INCOLD Student	Rs. 1000/-
INCOLD Member	Rs. 1,500/-
Non INCOLD Member	Rs. 2,000/-

The fee can be paid by cheque to be drawn in favour of "Committee for International Commission on Large Dams, India" or by bank transfer to the following account:

### Bank Details for arranging Payment:

- Name of Bank: Canara Bank, Delhi Diplomatic Enclave, 7/48, Malcha Marg, Chanakyapuri, New Delhi 110021
- Account No. 0157101031509
- MICR Code No. 110015007
- Account Holder Name: "THE COMM FOR INCOLD"
- IFSC Code: CNRB0000157
- Swift Code: CNRBINBDDFS

Participation Certificate will be issued to all the Attendees

For More Details Contact :

Secretary General

Malcha Marg, Chanakyapuri, New Delhi - 110 021, India Phone : 91-11-2611 5984 / 2611 6567 Ext. 113 / 140 Fax : 91-11-2611 6347

Contact Person : Mr. Sunil Sharma (Mobile No 91-9811299136) / Ms. Kalpana Adhikari

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