



ICDSME2025
PRE-WORKSHOP

EMERGENCY MANAGEMENT FOR DAM SAFETY

Workshop by CDA  ACB

Will be held on

4 November 2025

8.00 am - 5.30 pm

Pullman Hotel, Sarawak



Workshop Fee

Malaysian Delegate:

- MyCOLD Member: RM 1,580
- Non MyCOLD Member: RM 1,680

International Delegate: RM 1,880

Workshop Description

Learn how to improve dam safety through effective emergency management planning. This workshop covers:

- ✓ Introduction to emergency management principles
- ✓ Frameworks and processes for dam safety
- ✓ preparedness
- ✓ Risk assessment and development of inundation maps
- ✓ Maintaining readiness and control measures
- ✓ Response actions and classification of emergencies
- ✓ Recovery planning and post-event management
- Stakeholder engagement through tabletop exercises & case studies

Gain the skills to assess risks, prepare for emergencies, and strengthen resilience in dam safety management.

ORGANIZED BY



CO-ORGANIZERS



IN COLLABORATION



MEDIA PARTNERS



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Our Social Media:     

Our Website: www.icdsme2025@mycold.com.my

SPEAKER'S BIOGRAPHY



Tony Bennett, P.Eng., FEIC
Principal, T&L Consulting
Canadian Dam Association (CDA)

Tony Bennett, recently retired from the position of Director of Dam and Public Safety for Ontario Power Generation, responsible for the Dam Safety Program covering dam safety, emergency management and public safety around dams, for a portfolio of 66 hydropower stations and 239 dams. During this time, he was involved in numerous dam safety reviews, failure modes analysis, emergency exercises, safety assessments and incident investigations.

He is Chair of the ICOLD Committee on Public Safety and Emergency Management, and CDA Working Groups on Emergency Management and Public Safety and a member of the CDA's Dam Safety Committee. He is past President of CDA and the Engineering Institute of Canada. He has served on the Province of Ontario's Advisory Panel on Dam Safety, and the CEATI Dam Safety Interest Group amongst other technical organizations.



Margaret Trias, M.A.Sc.
Independent Consultant
Hydropower and Dams
Canadian Dam Association (CDA)

Margaret Trias is a senior consultant with over 25 years of experience in the dams and hydropower, renewables and mining sectors having worked for large Canadian consulting engineering firms in the fields of hydrotechnical engineering, dam safety, emergency management, environmental and social impact assessment and management on projects around the world for many years. She is now an independent consultant and is an accredited lead assessor of the Hydropower Sustainability Standard.

She serves as the coordinator of the Canadian Dam Association's (CDA) International committee and is the Secretary of the ICOLD Committees of the Americas (INCA). Margaret is active on CDA's Finance Committee and Emergency Management Working Group and is the Canadian member of ICOLD Technical Committee G (Environment), as well as a member of the ICOLD Technical Committee ZX5 on Dams & Sustainability.

AGENDA

- 8:00 am Registration & Breakfast
- 9:00 am Session 1: Introduction to Emergency Management
 - Exercise 1 - Influence
- Session 2: Framework and Process
- Session 3: Risk Assessment and Controls
 - (a) Risk Assessment
 - Exercise 2 - Inundation Maps
 - Inundation Maps - Summary
 - (b) Controls
- Session 4: Maintain Readiness
- 12:30 pm Break & Lunch
- 2:00 pm Session 5: Response
 - Exercise 3 - Classification and Response
- Session 6: Recovery
- Session 7: Stakeholder Engagement
 - Exercise 4 - Table Top Exercise
 - Example and Case Studies
 - Q&A, Evaluation
- 5:30 pm End of Workshop

*Free flow coffee & refreshments provided



Dam Safety

- prevent an uncontrolled release of water (i.e. dam breach)
- have Emergency Preparedness Plans in place in the event of failure

Public Safety Around Dams

- safe management of water during normal operations
 - intake water
 - discharge from turbines
 - spill events
- security of the site to minimize the exposure of the public to hazards



WHO COULD BENEFIT FROM THIS COURSE?

- ✓ Government Agencies/Local Authorities
- ✓ C&S Consultant Engineers
- ✓ Design Engineers
- ✓ Site Supervisors
- ✓ Dam Owners
- ✓ Dam Operators
- ✓ Dam Safety Inspector



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