

## ICFM Webinar 15

# Spain Floods of 2024

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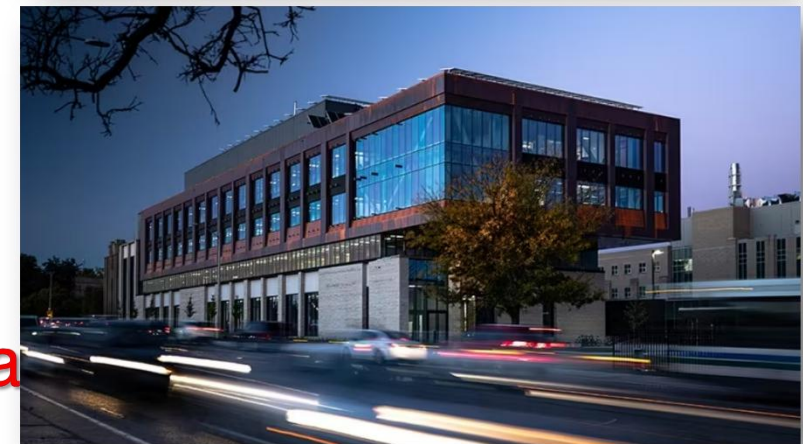
London, Ontario, Canada

## 2 ICFM10 update

- Deadline extension Feb 28, 2025
  - Abstracts
  - Special sessions
- Conference website is available at:

<https://icfm10.com>

- Please register to receive regular updates
- Submit an abstract
- Submit a session proposal
- **May 20 – 22, 2026 see you in London (Canada)**



# 3 Webinar No.15 – Spain Floods of 2024

- The Valencia floods of October 29 will go down in history as the deadliest disaster in modern Spanish history and the most catastrophic flood-related event in Europe in the past 50 years, claiming the lives of more than 229 people and creating €10 billion of damage
- A year's worth of rain fell in one day
- Communities struggle to recover



# 4 Webinar No.15 – Spain Floods of 2024

- Politicians are involved in a blame game over who is responsible
- Scientists work to understand the causes and scale of the disaster
  - The Mediterranean is one of the most vulnerable regions
  - DANA weather systems occur when an area of low pressure gets cut off from the main flow of the jet stream. This leaves them stuck over an area, delivering rainfall for several days. When cold air high up in the atmosphere meets warm air from the Mediterranean, the storm intensifies.
- Many questions remain open
  - Why loss of life?
  - How to recover?
  - Who is responsible for what?
  - How to deal with climate change (if it is to be blamed)?
  - How to reduce vulnerability and increase resilience



# 5 Webinar No.15 – Spain Floods of 2024



## • Speakers:

Dr. Félix Francés

Professor of Hydrology at UPV

Research Institute of Water and Environmental Engineering

Polytechnic University of Valencia, Valencia, Spain

*Flood Risk Management and the October 2024 Flash Flood of Poyo Ravine in Valencia, Spain*



Dr. Prieto Sierra Cristina

Director of Science in Hydrological Sciences and Hydrometeorological Hazards

Senior researcher

Instituto de Hidráulica Ambiental de la Universidad de Cantabria, Santander, Spain

*Flash Floods: Advancing Methods and Case Studies in Northern Spain*

