



### **Session Title**

Targeted Flood Hazard, Flood Risk, and Financial Risk Analysis Using Global Flood Hazard Models

### **Format**

Presentations

### **Participants**

Robin Bourke, Public Safety Canada (Moderator and Presenter)

Yongbo Liu, PhD, Environmental and Climate Change Canada

Nathaniel Adams, MSc, KatRisk

Ladislav Palán, PhD, CCRMP, Aon

### **Description**

This session will focus on the application of global flood hazard models for assessing flood hazard and risk, and economic impacts across multiple scales. Given growing climate variability, extreme precipitation and increasing flood damages, the importance of robust and implementable models capable of estimating flood depths and extents over large areas is of critical importance.

The session encourages submissions highlighting improvements into the way global flood models represent local conditions, including climate change impacts on flooding, and with methodologies for incorporating economic and social impacts. Presentations may address model development, data integration, risk mapping, and evaluation of uncertainty.

The goal is to bring together researchers and practitioners from hydrology, engineering, and risk analysis to share advances that make flood risk assessment more accurate, transparent, and useful for planning and adaptation.

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