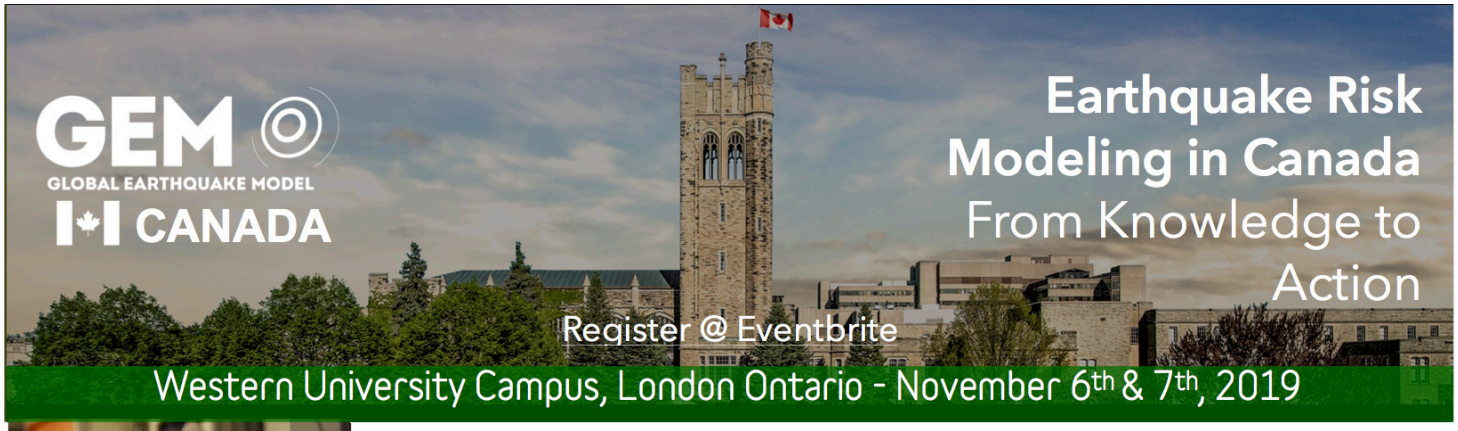

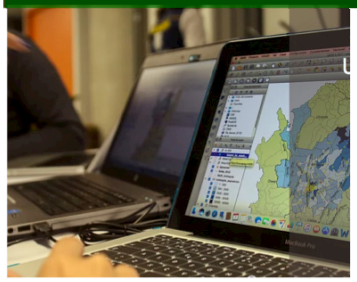

Insights gained through quantitative earthquake risk modeling are foundational to seismic design and disaster risk reduction planning at all levels of decision making. OpenQuake is a collaborative earthquake hazard and risk modeling platform developed by the Global Earthquake Model (GEM) Foundation. Canada joined the GEM Foundation as a public sector partner in 2017 and is working with researchers and practitioners from across the public, academic and private sectors to advance capabilities for catastrophic risk modeling and to co-develop a National Earthquake Risk Profile that will establish a base of evidence to help inform and empower disaster resilience planning initiatives in the public domain.

Join us at Western University in London, Ontario on November 6th and 7th for a 2-day modeling workshop to explore analytic capabilities and use of the OpenQuake Platform for the analysis of earthquake risk and the evaluation of risk reduction strategies. The workshop is co-hosted by the Geological Survey of Canada, the GEM Foundation, the UWO Good Vibrations and Excitations Research Facility and the Institute for Catastrophic Loss Reduction. Training sessions are designed for risk modelers working in areas of both fundamental and applied science – and practitioners who are interested in using outputs of risk assessments to inform disaster resilience planning at local and regional scales in Canada.

Workshop Program

Wednesday, November 6 *(Western University ,Physics and Astronomy Building, Room 148)*

9am-5pm: Foundations and Scenario-Based Risk Modeling Using OpenQuake

- GEM and the OpenQuake engine *(general)*
- Earthquake hazard & risk modeling using the OpenQuake engine *(general)*
- National earthquake hazard & risk models for Canada *(general)*
- Scenario hazard & risk modeling (Montreal and Charlevoix regions of Quebec; *technical)*

Thursday, November 7

9am-5pm: Earthquake Risk Profiles and Probabilistic Risk Modeling Using OpenQuake

- Risk Profile Metrics; From Knowledge to Action *(general)*
- Probabilistic hazard & risk modeling using OpenQuake *(technical)*
- Earthquake Risk Profiles for Central and Eastern Canada *(technical)*

GEM GLOBAL EARTHQUAKE MODEL working together to assess risk

Natural Resources Canada | Ressources naturelles Canada

Institute for Catastrophic Loss Reduction

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