

15 YEARS OF THE OPENQUAKE ENGINE: From Models to Risk-Informed Policy and Investment

 MONDAY, OCTOBER 13, 2025
 15:00 - 16:00 CEST (UTC+2)



SPEAKERS & PANELISTS



Iain Stewart
Advisory Board Vice Chair
GEM, University of Plymouth



Chung-Han Chan
Deputy Director,
E-DREaM Center, NCU



Ana Beatriz Acevedo
Professor, Civil Engineering
Department, EAFIT University



Jenty Kirsch-Wood
Head, Global Risk Management
& Reporting, UNDRR



Kirsty Bayliss
Seismic Hazard
Scientist, GEM



Anirudh Rao
Seismic Risk
Modelling Lead, GEM



Catalina Yepes-Estrada
Exposure Development
Lead, GEM

Webinar Objectives



1. Celebrate the 15th anniversary of the OpenQuake Engine by sharing milestones from the past decade with the GEM/OQ stakeholders and the broader DRR community.
2. Contribute to the International Day for Disaster Risk Reduction 2025 theme “Fund Resilience, Not Disasters” by showing how OQ has been used in the past and can be used at present and in the future to:
 - Identify where DRR funds are most needed, and
 - Guide investment decisions in public and private undertakings through evidence-based, scientifically robust risk information.

AGENDA 15:00 – 16:00 Rome/Milan

1. Overview, GEM Introduction, Closing



Prof. Iain Stewart, University of Plymouth
and GEM Advisory Board Vice Chair
Moderator/Q&A Facilitator

2. IDDRR2025 Opening Remarks



Jenty Kirsch-Wood
Head, Global Risk Management &
Reporting, UNDRR
Speaker

3. Evolution of the OpenQuake Engine



Anirudh Rao
Seismic Risk Modelling Lead, GEM
Speaker

4. Q&A (30 minutes)



Catalina Yepes-Estrada, GEM
Exposure Development Lead
Facilitator/OQ Capacity Development
Overview



Kirsty Bayliss, GEM
Seismic Hazard Scientist
Panelist



Chung-Han Chan, NCU Taiwan
Deputy Director, E-DREaM Center
Panelist



Ana Beatriz Acevedo Jaramillo, EAFIT
University, Colombia, Professor, Civil
Engineering Department
Panelist

Global Earthquake Model (GEM)

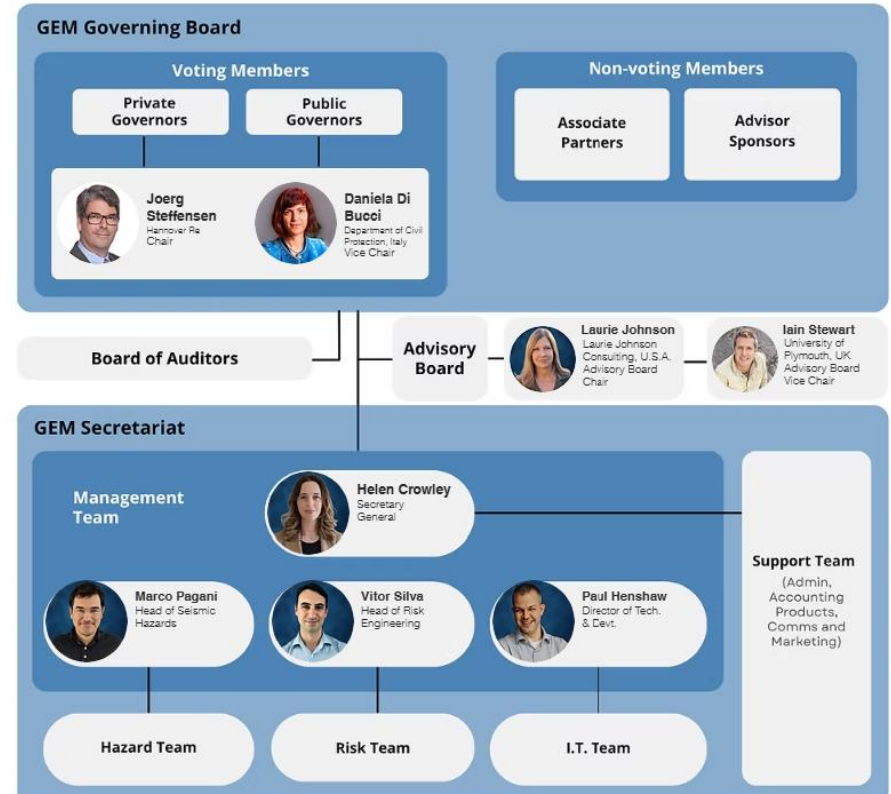
The Foundation

Non-profit foundation and UN accredited NGO, headquartered in Pavia, Italy, governed as a public-private partnership

Our Mission

Through global partnerships our aim is to:

- **Provide:** be a trusted standard in global earthquake hazard and risk modelling,
- **Support:** be a key partner for disaster risk reduction efforts worldwide
- **Strengthen:** to increase local capacity to assess and mitigate the risk from natural hazards



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