



**RELIABLE.
CUSTOMIZED.
HIGH-QUALITY.**

FINDING THE RIGHT SUPPORT

All projects have challenges. And one challenge that can be daunting and cause delays in the delivery of critical outputs is finding the right mix of specific and customized technical solutions. The scarcity of affordable specialized service providers, open access data, tools and other resources further compound this situation. Putting this in the context of earthquake hazard, risk and social vulnerability inevitably creates a vacuum in this sector.

GEM

GLOBAL EARTHQUAKE MODEL FOUNDATION
a world resilient to earthquakes

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“

GEM will provide communities with a great opportunity to strengthen their capacity to respond to disasters, invest in disaster reduction and therefore make themselves stronger and more resilient.

”

Public Sponsor

(Reserved space for partner quote)

JOIN US

Support high quality data and tools sharing on free, open and transparent platform

OUR SOLUTIONS

At the Global Earthquake Model Foundation (GEM), we recognize this issue and have taken steps to meet this demand. Our wide range of specialized services – from IT technical support and development of software tools to site-specific risk and hazard estimates and customized training on hazard, risk and socio-economic vulnerability assessments – is now available. GEM offers these services within the framework of serving the public good in a collaborative, credible, open and transparent manner.

OUR TRACK RECORD

Using our state-of-the-art hazard and risk assessment software – the **OpenQuake engine** – GEM has delivered tailored solutions for nuclear power plant hazard calculation in South Africa, national hazard and risk model for Iran, hazard map and other related information for SGC and hosting and maintenance of IT infrastructure for the World Bank's Risk Dashboard and Global Facility for Disaster Reduction and Recovery (GFDRR) Open Databases.

BENEFITS

- Be part of a global team in shaping the direction of global earthquake modeling
Connect with public and private participants from around the world
- Be at the forefront of developing GEM's state-of-the-art earthquake hazard and risk assessment software: the OpenQuake engine
- Contribute to maintenance and improvement of GEM products for public good
- Demonstrates corporate social responsibility
- Use of the GEM brand and logo on proposal (official GEM partner badge)
- Gain capacity building experience in developing countries, training modules
- Access to global databases, open software and tools
- Global standards for data, models and tools
- Be part of a network of international experts in hazard, risk and financial modelling

SERVICES

GEM provides technical services for all types of earthquake hazard and risk projects, specifically:

- Site-specific seismic hazard assessment
- Development of earthquake scenarios
- Assessment of seismic vulnerability
- Assessment of probabilistic earthquake losses
- Development of platform for dissemination of hazard and risk information
- Tailored trainings on hazard, risk, socio-economic vulnerability
- IT support