



FROM DATA TO KNOWLEDGE TO ACTION.

KNOWLEDGE APPLICATION

In the field of earthquake science and engineering, knowledge produced from data-rich and scientific information can help in disaster prevention, preparedness, response and recovery. Unfortunately, turning knowledge into action is a long process and requires more than just data and information. How can these data and information be used to inform policy makers to improve building codes, guide engineers and urban planners, create better risk management and emergency response plans or build the capacity of communities to become truly resilient to earthquakes?



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)

OUR TRACK RECORD

Recently, GEM has completed risk assessment projects in South America supported by **Swiss Re** and Sub-Saharan Africa covering more than 20 East African countries supported by **USAID**. USAID also supports our ongoing risk assessment project in Central America and the Caribbean and a pilot project on earthquake and volcano risk assessment in three countries in the Pacific earthquake belt. In **Armenia** and **Colombia**, GEM has projects in national seismic hazard modeling and updating of building codes.

BENEFITS

Benefits of implementing a project with GEM:

- Direct application of scientific knowledge and observation of immediate impact and results on the ground
- Access to customized project datasets, models and products
- Opportunity to connect and work with public and private participants from around the world
- Contribute to maintenance and improvement of GEM products for public good
- Demonstrates corporate social responsibility

JOIN US

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

OUR SOLUTIONS

GEM has been active in transforming earthquake hazard and risk knowledge into positive action through national and regional projects. Since 2009, GEM has successfully collaborated with public and private institutions to implement various projects with the ultimate goal of making communities safer and more resilient to earthquakes. Driven by its committed team of scientists and engineers, and its state-of-the-art OpenQuake engine software for earthquake hazard and risk assessment, GEM offers collaborative, credible, open and transparent approach in project partnership and implementation.

SERVICES

GEM welcomes project collaboration and sponsorship on the following:

- Regional collaboration on risk assessment (public, private)
- National and regional urban risk assessment
- World Heritage risk analysis e.g. UNESCO sites
- Hazard (soil, ground motion data, fault database), exposure and vulnerability models development
- Capacity development (hazard, risk and social vulnerability assessments)
- Open-source software development (for a wider audience)
- Recovery modelling
- Development and implementation of Resilience Performance Scorecard (RPS)