Global Earthquake Model (GEM) Global Seismic Hazard Map

The Global Earthquake Model (GEM) Global Seismic Hazard Map is the world's first comprehensive seismic hazard model covering the entire globe. It serves as a reference for the seismic risk community to better understand seismic hazard. The map can be used in any risk assessment and management process to inform decision-making processes. The GEM Foundation, in collaboration with a global consortium of experts, has developed the first global, peer-reviewed, and transparent seismic hazard model. This map is part of the GEM Global Seismic Risk Portfolio, providing an innovative approach to managing global seismic risk.

Contributing models

- GEM Foundation
- United States Geological Survey (USGS)
- National Oceanic and Atmospheric Administration (NOAA)
- European Centre for Medium-Range Weather Forecasts (ECMWF)
- Center for Research on the Developing Economy of Japan (CRED)
- U.S. National Science Foundation (NSF)
- U.S. Department of Energy (DOE)
- United Nations Economic Commission for Europe (UNECE)
- World Bank
- Global Earthquake Model (GEM) Foundation

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Legal statements

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