

GEM PRODUCTS LIST



GLOBAL MOSAIC of MODELS

Models under GEM IPR

Title	IPR/ Maintained by	License Type	Product Category	Availability	Product Restrictions
Africa Earthquake Model	GEM	CC BY-NC-SA	Model	Now	Available for non-commercial use
Caribbean & Central America (v. 2018)	GEM	CC BY-SA	Model	2020 September	Open Product
Caribbean & Central America (v. 2020)	GEM	NDA	Model	Now	Available for public/non-commercial use upon approval of request
Colombia Earthquake Risk Model	GEM	Commercial License	Model	Now	Available for public/non-commercial use upon approval of request
Korea	GEM	NDA	Model	2020 December	Available for public/non-commercial use upon approval of request
Mexico	GEM	NDA	Model	2020 December	Available for public/non-commercial use upon approval of request
Northeastern Asia	GEM	NDA	Model	2020 December	Available for public/non-commercial use upon approval of request
Northern Africa	GEM	CC BY-NC-SA	Model	Now	Available for non-commercial use
Northwestern Asia	GEM	NDA	Model	2020 December	Available for public/non-commercial use upon approval of request
Pacific Islands	GEM	NDA	Model	2020 December	Available for public/non-commercial use upon approval of request
South America	GEM	NDA	Model	2020 September	Available for public/non-commercial use upon approval of request
Sub-Saharan Africa	GEM	CC BY-SA	Model	Now	Open Product
Sub-Saharan Africa (2020)	GEM	CC BY-NC-SA	Model	Now	Available for non-commercial use
Western Africa	GEM	CC BY-NC-SA	Model	Now	Available for non-commercial use

Note: NDA – No-Disclosure Agreement

Models under Partners IPR

Title	IPR/ Maintained by	License Type	Product Category	Availability	Product Restrictions
Alaska	USGS	CC BY-SA	Model	2020 December	Open Product
Arabia	Saudi Geological Survey	CC BY-SA	Model	2020 September	Open Product
Australia	Geoscience Australia	CC BY	Model	Now	Open Product
Canada (v.2015)	NRCan	CC BY-NC-SA	Model	2020 December	Available for non-commercial use
Canada (v.2020)	NRCan	As originally defined	Model	Now	Available from NRCan
Central Asia	GFZ	CC BY-SA	Model	TBC	Open Product
China	CEA/GEM	TBC	Model	TBC	TBC
Europe	ETH	CC BY-SA	Model	Now	Open Product
Hawaii	USGS	NDA	Model	2020 December	Available for public/non-commercial use upon approval of request
Indonesia	Public Works Department	CC BY-SA	Model	2020 September	Open Product
India and surroundings	Nick Ackerly	AGPL v3.0	Model	Now	Open Product
Japan	NIED/GEM	NDA	Model	2020 December	Available for public/non-commercial use upon approval of request
Middle East	ETH	CC BY-SA	Model	Now	Open Product
New Zealand	GNS	As originally defined	Model	Now	Available from GNS New Zealand
Papua New Guinea	Geoscience Australia	CC BY	Model	Now	Available from Geoscience Australia
Philippines	PHIVOLCS/GEM	CC BY-NC-SA	Model	2020 December	Available for non-commercial use
Southeast Asia	Chan/Ornammatah	CC BY-SA	Model	2020 September	Open Product
Taiwan	TEM	CC BY-SA	Model	2020 September	Open Product
UCERF3	USGS	NDA	Model	2020 December	Available for public/non-commercial use upon approval of request
Conterminous US	USGS	NDA	Model	2020 December	Available for public/non-commercial use upon approval of request
South Africa	GeoScience Council	CC BY-SA	Model	2020 September	Open Product

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OTHER PRODUCTS

Datasets, Software and Maps

Software

Title	IPR/ Maintained by	License Type	Product Category	Availability	Product Restrictions
Building Classification Tool	GEM	AGPL	Software	Now	Open Product
Catalogue Toolkit	GEM	AGPL	Software	Now	Open Product
GEM's IRMTK QGIS plugin	GEM	AGPL	Software	Now	Open Product
Glossary for GEM Taxonomy	GEM	AGPL	Software	Now	Open Product
GMPE Strong Motion Modeller's Toolkit	GEM	AGPL	Software	Now	Open Product
Hamlet: Hazard Model Evaluation and Testing	GEM	AGPL	Software	Now	Open Product
Hazard Modeller's Toolkit	GEM	AGPL	Software	Now	Open Product
IDCT Direct Observation Tool	GEM	AGPL	Software	Now	Open Product
OpenQuake Engine	GEM	AGPL	Software	Now	Open Product
OpenQuake Model Building Toolkit	GEM	AGPL	Software	Now	Open Product
OpenQuake Platform	GEM	AGPL	Software	Now	Open Product
Risk Input Preparation Toolkit	GEM	AGPL	Software	Now	Open Product
Risk Modeller's Toolkit	GEM	AGPL	Software	Now	Open Product
TaxTweb	GEM	AGPL	Software	Now	Open Product

Datasets

Title	IPR/ Maintained by	License Type	Product Category	Availability	Product Restrictions
Country Risk Profiles	GEM	CC BY-NC-SA	Dataset	Now	Available for non-commercial use
Earthquake Consequences Database	GEM	CC BY-NC-SA	Dataset	Now	Available for non-commercial use
Exposure Models	GEM	CC BY-NC-SA	Dataset	Now	Available for non-commercial use
Geodetic Strain Rate Model	GEM	CC BY-NC-SA	Dataset	Now	Available for non-commercial use
Global Historical Earthquake Catalogue and Archive (1000-1903)	GEM	CC BY-NC-SA	Dataset	Now	Available for non-commercial use
Global Instrumental Earthquake Catalogue (1900 - 2009)	GEM	CC BY-NC-SA	Dataset	Now	Available for non-commercial use
HAZUS Building Fractions	GEM	CC BY-NC-SA	Dataset	Now	Available for non-commercial use
Updated Active Faults Database	GEM	CC BY-NC-SA	Dataset	Now	Available for non-commercial use
Updated Vulnerability Database	GEM	CC BY-NC-SA	Dataset	Now	Available for non-commercial use

Maps

Title	IPR/ Maintained by	License Type	Product Category	Availability	Product Restrictions
Global Digital Seismic Hazard Maps	GEM	Commercial License	Maps	Coming soon	Available for public/non-commercial use upon approval of request
GEM Global Earthquake Maps Package	GEM	CC BY-NC-SA	Maps	Now	Available for non-commercial use
Global Earthquake Risk Map	GEM	CC BY-NC-SA	Maps	Now	Available for non-commercial use
Global Earthquake Hazard Map	GEM	CC BY-NC-SA	Maps	Now	Available for non-commercial use