

# The OpenQuake-engine

The [OpenQuake-engine](#) is the hazard and risk calculation engine developed by the [Global Earthquake Model](#)

## Documentation

- [The OpenQuake-engine User instruction manual](#)

## Citations

### Papers

- Gupta, I. D. (2013). Source-to-site distance distributions for area type of seismic sources used in PSHA applications. *Natural hazards*, 66(2):

### Abstracts

- Pirchiner, M.; Drouet, S.; Assumpcao, M. (2013) Zoneless and Mixture techniques applied to the Integrated Brazilian PSHA using GEM-OpenQuake. American Geophysical Union, Fall Meeting 2013, abstract #S11B-2361, [External Link](#)

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