

# Indicator metadata: Seismic hazard (maximal peak ground acceleration as fractions of standard gravity)

The seismic hazard indicator displays the territorially distributed intensity of ground shaking with a certain probability of exceedance rather than the occurrence of earthquakes at specific locations. The information for the indicator is provided by the Seismic Hazard Harmonization in Europe -project (SHARE) (Gardini et al., 2013, 2014). Rather than the occurrence of earthquakes at specific locations, the seismic hazard indicator displays the territorially distributed intensity of ground shaking with a certain probability of exceedance. The calculation of the seismic hazard includes in addition to records of earthquake events, e.g., fault structures, the strain of the Earth's crust, and other factors affecting ground motion (Gardini et al. 2014). SHARE provides a European dataset of peak ground acceleration in proportion to the acceleration of gravity (m/s<sup>2</sup>) with a 10 % chance of exceedance in 50 years.

**Theme(s):** Environment and Energy - Environment, Climate and Energy

## Introduction

**Author:** ESPON project (<https://www.espon.eu/natural-disasters>)  
**Contact(s):**

- Tecnalia (Project leader)
- Carolina Cantergiani (Tecnalia) (Responsible party)

**Territorial information:**

Spatial Extent	Nomenclature		
	name	version	level
EU28+4+CandidateCountries	NUTS	2013	3

**Years:** 2013

## Download

### File

- Data (JSON, browse webservice) (/api/public/indicator-data/2193/)
- Metadata INSPIRE (XML) (/indicator/2193/metadata-inspire.xml)
- Metadata ESPON (printable) (/indicator/2193/metadata-espon/)
- Indicator package (CSV+XLS) (ZIP 120.9 KB) (/private-media/object/2193/ind\_2193\_seis\_haz\_csv.zip)
- Indicator package (SHAPE) (ZIP 2.3 MB) (/private-media/object/2193/ind\_2193\_seis\_haz\_shp.zip)
- Project package (all data of the related project) (/private-media/object/2304/project\_titan-territorial-impacts-of-natural-disasters\_sOgi5Tw.zip)

### Right

- Constraints - Access classification: unclassified (default)
- Constraints - Use constraint: copyright (default)

## Methodology

No description!

## Other attributes

**Id:** 2193  
**Status:** Key indicator  
**Name:** Seismic hazard (maximal peak ground acceleration as fractions of standard gravity)

<b>Code:</b>	Seis_haz
<b>Is standard?:</b>	True
<b>Is base indicator?:</b>	False
<b>Type:</b>	Single
<b>Data type:</b>	Float
<b>Unit of measure -</b>	Peak ground acceleration / acceleration of gravity (m/s2)
<b>Numerator / Denominator</b>	
<b>Name:</b>	
<b>Unit of measure -</b>	1
<b>Numerator / Denominator</b>	
<b>Scale:</b>	
<b>Is a ranking?:</b>	False
<b>Main Theme:</b>	Environment and Energy - Environment, Climate and Energy
<b>Nature type:</b>	Other
<b>Labels:</b>	None