

Indicator metadata: Economic damage due to earthquakes, average of yearly impacts

This indicator shows the level of economic damage attributed to earthquake hazard events, showing an average of yearly impacts resulting from this hazard type, covering the period 1995-2017. The economic damage due to natural hazard events is the result of combining damage costs taken from public databases, regional input-output tables published by the PBL Netherlands, as well as regional gross value added data from Eurostat. The indicator is expressed in proportion of yearly NUTS 3 GVA, by NUTS 3 regions across the European territory. This dataset is a result of ESPON TITAN project. The scale of the dataset is NUTS 3 and the spatial coverage includes the EU-27 countries (except for Croatia) plus UK.

Theme(s): Economy, finance and trade - 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:	Nomenclature		
	Spatial Extent	name	version
	EU28	NUTS	2013

Years: 1995-2017

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File

- Data (JSON, browse webservice) (</api/public/indicator-data/2167/>)
- Metadata INSPIRE (XML) (</indicator/2167/metadata-inspire.xml>)
- Metadata ESPON (printable) (</indicator/2167/metadata-espon/>)
- Indicator package (CSV+XLS) (ZIP 134.7 KB) (/private-media/object/2167/ind_2167_eq_ec_csv.zip)
- Indicator package (SHAPE) (ZIP 1.5 MB) (/private-media/object/2167/ind_2167_eq_ec_shp.zip)
- Project package (all data of the related project) (/private-media/object/2304/project_titan-territorial-impacts-of-natural-disasters_sOgi5Tw.zip)

Right

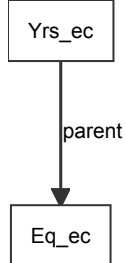
- Constraints - Access classification: unclassified (default)
- Constraints - Use constraint: copyright (default)

Methodology

Direct and indirect economic losses are calculated for each of the four hazard types individually, and for their total, on a yearly basis for the period 1995-2017. Based on this, average of yearly impacts are calculated for Earthquake damages separately. While the direct and indirect economic losses are in the first place calculated at the NUTS2 level due to the available granularity of the input-output dataset, after they are disaggregated to the NUTS3 level using Eurostat GVA (Gross Value Added) dataset at the NUTS2 and NUTS3 levels.

Genealogy

Graph



Parents

- Economic damage due to four natural hazard types (yearly impacts) (/indicator/2176/)

Child

- Economic damage due to four natural hazard types in total, average of yearly impacts (/indicator/2165/)

Other attributes

Id:	2167
Status:	Key indicator
Name:	Economic damage due to earthquakes, average of yearly impacts
Code:	Eq_ec
Is standard?:	True
Is base indicator?:	False
Type:	Single
Data type:	Float
Unit of measure -	Economic damage / Gross Value Added
Numerator / Denominator	
Name:	
Unit of measure -	1
Numerator / Denominator	
Scale:	
Is a ranking?:	False
Main Theme:	Economy, finance and trade - Environment and Energy - Environment, Climate and Energy
Nature type:	Ratio
Labels:	None