

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

This indicator shows the level of economic damage attributed to flood 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:**

Spatial Extent	Nomenclature		
	name	version	level
EU28	NUTS	2013	3

**Years:** 1995-2017

## Download

### File

- Data (JSON, browse webservice) (</api/public/indicator-data/2168/>)
- Metadata INSPIRE (XML) (</indicator/2168/metadata-inspire.xml>)
- Metadata ESPON (printable) (</indicator/2168/metadata-espon/>)
- Indicator package (CSV+XLS) (ZIP 135.6 KB) ([/private-media/object/2168/ind\\_2168\\_fld\\_ec\\_csv.zip](/private-media/object/2168/ind_2168_fld_ec_csv.zip))
- Indicator package (SHAPE) (ZIP 1.5 MB) ([/private-media/object/2168/ind\\_2168\\_fld\\_ec\\_shp.zip](/private-media/object/2168/ind_2168_fld_ec_shp.zip))
- Project package (all data of the related project) ([/private-media/object/2304/project\\_titan-territorial-impacts-of-natural-disasters\\_sOgi5Tw.zip](/private-media/object/2304/project_titan-territorial-impacts-of-natural-disasters_sOgi5Tw.zip))

### Right

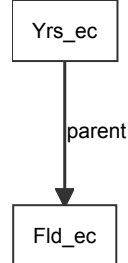
- Constraints - Access classification: unclassified (default)
- Constraints - Use constraint: copyright (default)

## 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 Flood 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

<b>Id:</b>	2168
<b>Status:</b>	Key indicator
<b>Name:</b>	Economic damage due to floods, average of yearly impacts
<b>Code:</b>	Fld_ec
<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>	Economic damage / Gross Value Added
<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>	Economy, finance and trade - Environment and Energy - Environment, Climate and Energy
<b>Nature type:</b>	Ratio
<b>Labels:</b>	None