

# Indicator metadata: Windstorm hazard (maximum wind speed for three-second gusts, 1981-2010)

The storm hazard indicator shows maximum 3-second gust speeds (m/s) over a 72-hour time period for winter storms in the years 1981-2010 at NUTS 3 level. The maximum 3-second gust is retrieved for each NUTS3 area from 46 storms that were considered “insurance relevant” (WISC, 2020). This maximum can be interpreted as wind speed with a pseudo-30-years return period (WISC, 2020). The data was retrieved from a set of historical storm footprints for the years 1940 to 2016 produced by the UK Met Office as part of the Windstorm Information Service (WISC) project. The historic storm footprints were created with the UK Met Office Unified Model and reanalysis data from ERA-Interim and ERA5.

**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:** 1981-2010

## Download

### File

- Data (JSON, browse webservice) (/api/public/indicator-data/2192/)
- Metadata INSPIRE (XML) (/indicator/2192/metadata-inspire.xml)
- Metadata ESPON (printable) (/indicator/2192/metadata-espon/)
- Indicator package (CSV+XLS) (ZIP 122.3 KB) (/private-media/object/2192/ind\_2192\_wind\_haz\_csv.zip)
- Indicator package (SHAPE) (ZIP 2.3 MB) (/private-media/object/2192/ind\_2192\_wind\_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:** 2192  
**Status:** Key indicator  
**Name:** Windstorm hazard (maximum wind speed for three-second gusts, 1981-2010)  
**Code:** Wind\_haz  
**Is standard?:** True

**Is base indicator?:** False  
**Type:** Single  
**Data type:** Float  
**Unit of measure -** Maximum 3-second gust speed (m/s) / 72-hour time period  
**Numerator / Denominator**  
**Name:**  
**Unit of measure -** 1  
**Numerator / Denominator**  
**Scale:**  
**Is a ranking?:** False  
**Main Theme:** Environment and Energy - Environment, Climate and Energy  
**Nature type:** Other  
**Labels:** None