TOOL

Storymaps: Floods and storms in Europe

Title :	Storymaps: Floods and storms in Europe	Developed by : CRISEPAC
Topics :	Flood Storms	Website : https://storymaps.arcgis.com/stories/f 029c2d515fd4947b7d765f492ec6624

Description

TThis website is full of information about floods and storms. You will find:

- Definition;
- Floods and storms in Europe;
- Different types of floods and storms;
- Damages after a flood or storm;
- 3 case studies: Greece, Portugal and France.

Duration	Resources needed	Age
Not specified	To use the tool, we need: • Internet; • Projector; • Laptop or PC.	Adults

Relevance to CRISEPAC Objectives

The storymap was developed as part of the project CRISEPAC.

Expected outcomes

- Vocabulary and knowledge related to a flood and a storm
- Understand the causes and types of floods and storms;
- Identify major risk of floods/storms and events in Europe;
- Analyze the effects of floods and storms on different regions of Europe;
- Evaluate the role of Climate Change in Flood and Storm intensity and frequency.

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Management

The storymap is a support that teachers and education professionals can use to supplement their understanding and illustrate classroom activities.

Risk prevention

A better understanding of floods and storms in Europe to inform children and prepare them better.

Others

Weaknesses

- Lots of reading;
- Content that requires a certain level.

Strengths

- Natural risks: flood and storms;
- Reachable;
- Concrete examples;
- Interactive maps.

Possible adaptations

This tool can be used at different levels and guides information about natural risks.

Depending on the level of the student, some figure can be extracted and the student divided by groups can work on it.

Climate change

Flooding will become increasingly intense as a result of global warming, due to the phenomenon of evaporation and cloud formation.

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Methodologies

All the figures and content presented in the storymap can be used to illustrate your teaching materials for classroom activities or to accompany lessons on natural risks:

- <u>Figure 1:</u> A map illustrates the risk of floods in Europe. An analysis can be made of the type of flood according to the geography (near a coast, following a river) and also the magnitude of the risk. Some countries are really touched and others almost not at all.

- <u>Figure 2:</u> This graphic shows the number of floods in Europe between 1980 and 2010. They are categorized per their severity.

- <u>Figure 7:</u> This map describes major floods recorded in Europe between 2017-2023.

- <u>Figure 12:</u> European Severe Weather Database. This database allows you to do a selection of the types of storms and the time range to visualize in the Europe map.

Case studies give concrete examples of what really happened in Europe and help to better understand the topic.

It could also use this story map as an example to create their own based on local data. (https://learn.arcgis.com/en/projects/share-the-story-of-an-expedition/ here is a tutorial how to build a story map with print screen)

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