



When water becomes scary

Activity on flood risks in your area

Type of pedagogical project, activity, action, accompanying	Activity on flood risks in different Mediterranean areas
Key words of relevant disciplines/ Pedagogical content	Floods / Water/ Inundations / Climate Change
Problematic	How is climate changing in temperate zones? Major natural risks, energy, agriculture, gardening
Thematic	Major natural risks
Disciplines (sciences, geography)	Science, history, mother tongue language
Pedagogical Objectives/New targeted skills	<p>The students will be able to:</p> <ul style="list-style-type: none"> - produce coherent and relevant questions to collect information - learn about a recent event affecting the area in which students are living - reflect about extreme weather conditions - debate about the consequences of floods - understand how climate is changing in temperate zones.
Public target(s) (age, requested skills...)	11-15 years old
Description (step by step)	<p>Step 1) Introduction on Climate Change with a focus on temperate zones.</p> <p>Step 2) Group work: students are asked to collect information from parents, grandparents or people raised in their area about floods affecting the territory in the past (like the Tanaro river flood in Alba in 1994).</p>





	<p>Step 3) Students report to classmates about their researches and findings</p> <p>Step 4) (optional) Guided visit at the museum with a guide available for schools, on the topic.</p> <p>Step 4) Practical ways to control the flow of a river and how to make improve prevention.</p>
Place (meeting room, outside space, ...)	Classroom, (optional) museum
Individual and / or collective actions	Collective and in small groups
Material needed	Paper and pens, computer, projector.
Duration of pedagogical project or activity	Around 6 hours + work at home for students + 2-hour visit at museum
Evaluation of the new acquired skills	Students present their conclusions or reflections about the topic in front of the class. Test in class after a couple of days about what they have learned.
Eco-citizen adaptation, knowledge enhancement and links to other topics	<p>Link to:</p> <p>Activities</p> <p>Exploring the consequences of climate change in our environment</p> <p>The impacts of Climate change in your region</p> <p>Experiment about the impact of ice melting on the sea level</p> <p>Experiment about the sea-acidification impact on marine's life</p> <p>Design of an ecological house model adapted to regional constraints and available local resources</p> <p>Create a smartphone application to adapt to a natural major risk</p>





Climate Change and flash floods

Projects

Adaptation to global change problems by creating an ecological house model
Creating a communication campaign made by students for students and the general public

Adaptation to natural major risks by creating an application for smartphone

Croatian:

- <https://100posto.hr/news/najvece-poplave-u-hrvatskoj>

Greek:

- <http://www.edutv.gr/index.php/perivalon-2/nero-kai-klimatologikes-allages> (Introduction on water and climate change)
- <https://gr.euronews.com/tag/greece-floods> (Examples of floods in Greece in 2019)
- <https://gr.euronews.com/2018/06/27/elladasto-eleos-tis-kakokairias-mandrakai-xalkidiki> (Examples of floods in Greece in 2019)
- <http://www.forest.gr/ylh/sites/default/files/news/attachments/%CE%95%CE%9A%CE%98%CE%95%CE%A3%CE%97%20%CE%9C%CE%AC%CE%BD%CE%B4%CF%81%CE%B1%CF%82.pdf> (study on the dramatic floods of Mandra in 2017)

Italian:

- https://it.wikipedia.org/wiki/Alluvione_del_Tanaro_del_1994 (Alba floods in 1994)
- <https://www.youtube.com/watch?v=E8rw92UKSwo> (Video about the floods in Alba)
- www.arpae.it/cms3/documenti/cerca_doc/ecoscienza/ecoscienza2015_3/guzzetti1_es2015_3.pdf (About landslides and flood in Italy)

French:

- <https://www.futura-sciences.com/planete/questions-reponses/meteorologie-climat-meteo-difference-5922/>
- <https://www.francebleu.fr/infos/climat-environnement/le-changement-climatique-une-realite-en-vaucluse-1479271259>

English:





	<ul style="list-style-type: none"> • http://floodlist.com/europe (Examples of recent floods all over Europe)
Observations	<p>This activity is appropriate for all countries, and for students of different ages. Teachers can decide which method students will use to collect information</p>



Picture
Inundations (Pixabay.com)

