

# THE GEOLOGICAL SANDWICH

## A. Main topics

- Geology
- Faults
- Plate tectonics
- Earthquakes

## B. Targeted audience

The teaching guides are suited for **9 - 13** years old students.

## C. Key concepts

Geology, Faults, Syncline, Anticline, Tectonics, Tectonic plate, Divergent boundary, Covergent boundary, Subduction zone, Earthquakes, Volcanoes.

## D. Experimental activity

Three slices of different types of bread, such as white bread, brown bread, bread with cereals with jam and cream cheese, can be used to illustrate geological phenomena.

## E. Toolkit material

- Sandwich bread of different types and several pieces of a baguette
- Jam
- Cream cheese
- A sheet of paper with the definitions of the concepts used

## F. For information on the toolkit

Dr. Cristina Montalvo and Dr Liliana Medic  
e-mail: [cristina.montalvo@upm.es](mailto:cristina.montalvo@upm.es)  
e-mail: [liliana.medic@upm.es](mailto:liliana.medic@upm.es)