

Edumed-obs: Educational Observatory for mediterranean environment to understand risks and natural hazards all over the mediterranean sea shore.

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Presentation of the Edumed-Observatory project (www.edumed-obs.fr) funded by the UCA (Université Côte d'Azur). The goal of the educational project is to observe and collect data about the Mediterranean area focused on different fields, such as meteorology, seismology, hydrology and oceanography. All the collected data is used with pupils and students for educational purpose. To do so, we are working for installing sensors, providing data, case studies, and tools for the teachers.

Edumed Observatory is structured by a « teachers room », a « tools lab » and a « data center », that will be explained in more details in the poster. We will also show the actual development of the project and the perspectives in the different axes.

Four main projects will be exposed :

- « Adopt a mermaid » , a project focused on mobile earthquakes recording in marine areas,
- « Groundwater flow » in a karstic area on the Southern France
- « Seismology at school » , a network of seismologic stations in many schools
- « Augmented reality sandbox » project , called « BASAR » , used by researchers, teachers and students to better understand erosion, rivers flow, dam failure and others external geodynamics events.

Other projects will be developed such as biology data for pollution (water pollution and air pollution) provided by biological « sensors » (lichens . . .) , but also evaluation of tsunami risks along the sea shore. We also plan to extend the network in Italy, in order to study volcanoes such as Etna and Aeolian's islands.

Edumed-obs can provide schools with sensors for teachers that are interested in one of the various topics. Many workshops have already been displayed in France and also Romania to extend the network. Further workshops will take place in Portugal, Greece , Italy, and other mediterranean countries to federate a community of teachers concerned about those topics and risks.