

Bringing Open Science to the Education Community

Open Science – Beyond the research community

Discover Citizen Science through Open Science

Eugenia Kypriotis *Ellinogermaniki Agogi*, Androniki Pavlidou *ATHENA Research Institute*

The need for a well-informed society ready to make decisions in a more democratic way is greater than ever today. Science is too important, valuable and fascinating to be left to professional scientists alone. For the good of society, the public, and scientific progress itself, science needs to be open.

Educational systems nowadays are called upon to prepare their pupils by enabling them to adapt and react by empowering

them with the appropriate skills and helping them to gain critical thinking above all. By participating in actions such as those offered in OpenAIRE, students open their horizons on their views about science and learn in a highly creative way.

More information on OpenAIRE actions related to citizen science is available on the project website <https://www.openaire.eu/citizen-science-activities-in-openaire>.



Open Schools Journal
for Open Science

We all know researchers conduct their research inside Research centers, Universities, Companies, in nature, oceans even in Space. We also know that very often students with their teachers become researchers too while they conduct research producing results worth sharing!

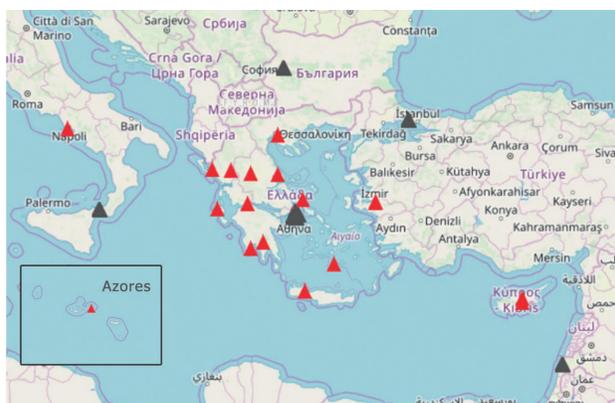
In the same way as researchers share their work, students can also now share their findings with the rest of the world. Via publishing their results in a real scientific journal.

The Open Schools Journal for Open Science is the first European peer review scientific journal which accepts original papers written by school age students from Primary to Secondary schools across Europe under the mentoring of their Teachers on all aspects of Science, Engineering and Technology.

For more visit:
<https://ejournals.epublishing.ekt.gr/index.php/openschoolsjournal/index>



School Networks Alert Citizens protection



5 countries • Greece, Cyprus, Italy, Turkey and Bulgaria
100 Schools • 20 in each country
200 STEM teachers • 2 in each school
4000 students • 20 students per STEM teacher

The concept is to transform schools in South Eastern Mediterranean basin countries to local hubs of education, innovation and information about earthquakes and disaster prevention and to connect them with local authorities by employing real-problem solving skills.

For more visit:
<https://data.hellenicdataservice.gr/dataset/activity/5f433f5a-eb4f-4c7a-99c4-0ea39802af99>



In Frontiers the scope is to prove how Nobel Prize winning Physics can be systematically integrated in the school curriculum.

Therefore, we bring together outreach teams from large scale research infrastructures in frontier Physics that can offer access to rich scientific databases and resources in a variety of fields that can provide a catalyst for science learning.



For these needs, Zenodo is used as a repository where relevant literature, data, applications is presented that teachers can refer to.

For more visit:
https://zenodo.org/communities/frontiers_eu/?page=1&size=20