



THE GLOBE PROGRAM

The Global Learning and Observations
to Benefit the Environment

38 000 schools in 127 countries around the world

Over 217 million measurements in the database guaranteed by NASA

www.globe.gov



WHAT IS GLOBE?

An international science and educational program that provides students and the public worldwide with the opportunity to collect environmental data and be part of the scientific process. Anyone can join the efforts to understand the changing environment through using the GLOBE Observer App.

GLOBE AROUND THE WORLD

Students, teachers and scientists create a learning community across the borders. Together they explore trees, rivers, lakes, soil, clouds or climate around their homes and schools. They share not only the research findings, but also the best of their culture.

GLOBE IN EUROPE

Coordinated by the Europe and Eurasia GLOBE Program Office located in Prague, Czech Republic. Contact us at ee.region.globe@gmail.com



Learning for Future

Antonela is proud of her soil smeared hands. She explored the peat forest at the very north of Estonia together with friends from GLOBE schools all around Europe.

First, the student team explored the forested area and came up with research questions on the soil diversity in the various ecosystems. Together with scientists they learnt how to take the samples and use the research tools and came up with a hypothesis on soil quality and vegetation diversity of the forests in Kasmu peninsula. The next day they spent hours going through the forest, mapping the vegetation and analyzing soil samples, of course, with occasional breaks to eat forest berries and chat with the new friends.

Before making conclusions, they have to go through the most difficult part – to interpret the data about soil, land cover and vegetation they collected, and to test those against the initial hypothesis they had formulated. As a last step, Antonela and her team professionally prepared slides and with courage they presented those to the scientists, teachers and students.

This is just one more story of the GLOBE Program, where students are always in the center of learning. It is them who design research and do the field work. It is them who face the curious questions of the audience. It is them who talk about environmental issues to the local community and spark the action.



Learning about changing environment today helps us to make wise decisions in future.



Observing Change in Trees

Even the youngest ones can see the spring coming. Thanks to European Phenology Campaign of the GLOBE Program, girls and boys wait for their tree to show the first leaves. Recording the budburst dates each year help them to understand the changing patterns of spring season.

The tree monitoring campaign has been connecting hundreds of schools in Europe and Eurasia already for 6 years. Students can choose to observe the tree either in spring or in autumn, but very often they follow the tree all year long.

In spring they watch out for the first tip of the leaf or for the first bud and when they see it, they start with measuring the length of the leaf until it stops growing. Following the records on rainfall and air temperature in the same time, they can tell why each year the spring can be different. Schools around Europe agreed on observing certain tree species, so that they can share and compare data from different countries and locations. The same cherry does not turn green at the same day in Croatia as in Latvia! In this collaboration, students learn about similarities and variations in natural cycles in different parts of the planet.



European Phenology Campaign





2022 GLOBE Regional Meeting

The GLOBE Europe and Eurasia regional meeting is a time for the GLOBE community to meet, exchange ideas and share experiences.

Altogether, 24 countries, including Europe and Eurasia region states and the United States, are represented by Country Coordinators, trainers, scientists, teachers, education experts, GLOBE alumni and U.S. Embassy representatives - counting 80 participants attending in 2022.

The first two days are for the GLOBE Country Coordinators to share the updates on the program implementation in schools in their country and do the networking for future projects.

The second part of the week is dedicated to the GLOBE Community meeting which offers a successful format of a science education market, combined with trainings, field workshops and GLOBE school visit. The benefits of the event are complex, as one of the participants commented, "GLOBE and multinational environment let me grow as a person, not only as a GLOBE coordinator."

The 2022 meeting is hosted by GLOBE Croatia and the Josip Pupacic Primary School in Omis. The event is organized by GLOBE Europe and Eurasia Region Coordination Office in cooperation with GLOBE Europe and Eurasia Board and GLOBE Implementation Office, USA.



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