



# THE GLOBE PROGRAM

The Global Learning and Observations  
to Benefit the Environment

42 000 schools in 127 countries around the world

Over 260 million measurements in the database guaranteed by NASA

[www.globe.gov](http://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](mailto:ee.region.globe@gmail.com)



## Learning for Future

Standing in the stream they've been investigating, Václav, Martin, and Jan are ready to take action, determined to tackle the pollution and bring real change to their town.

In rubber boots, and with a digital sensor in hand, these three ninth-graders from Břidličná, Czech Republic, have been studying pollution in their local stream since 2021. After noticing a decline in aquatic life, they discovered high contamination levels, especially near certain pipes — likely from untreated household sewage.

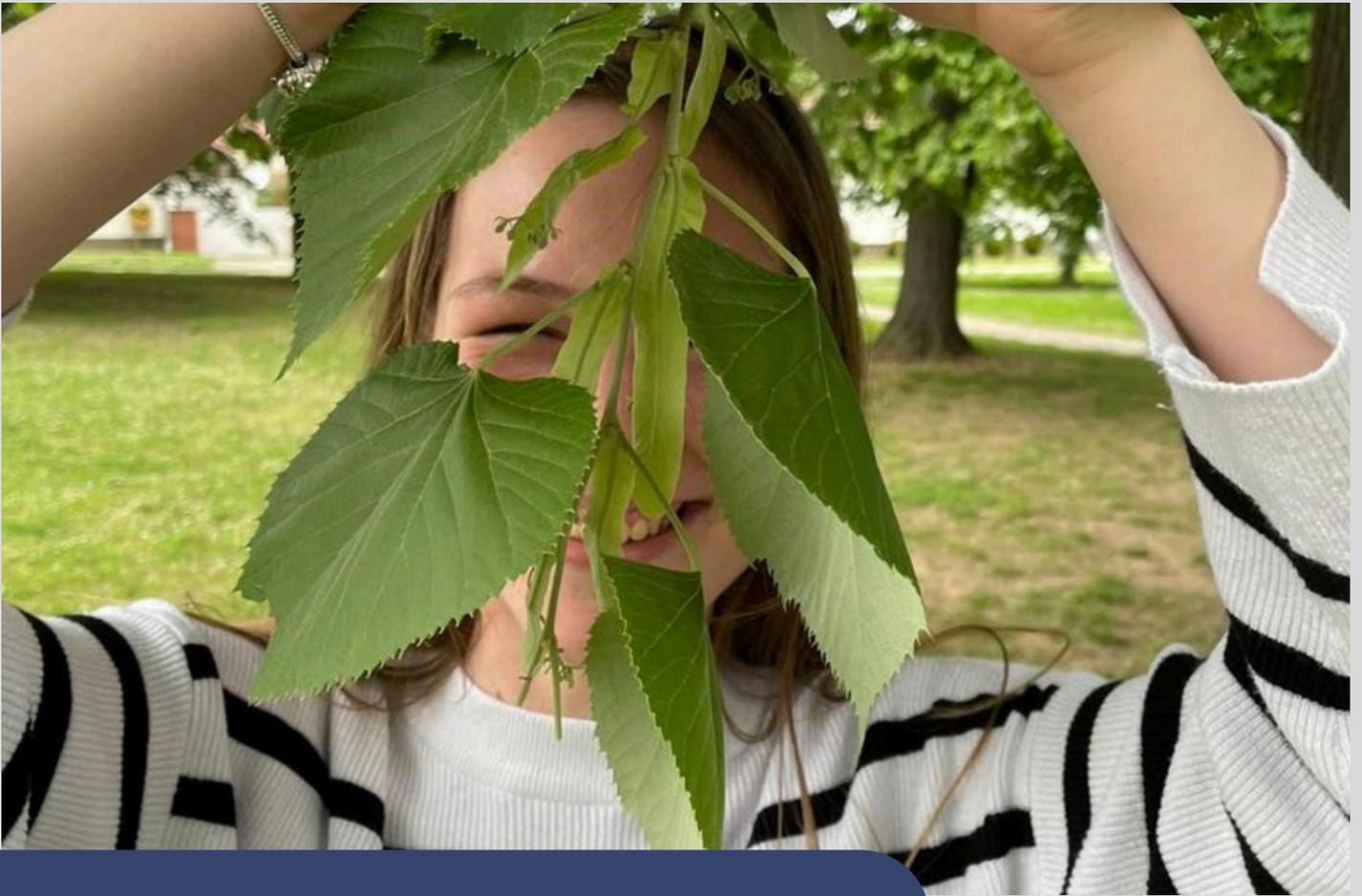
The students not only created an interactive map to display pollution sources but also went beyond research: They actively engaged local authorities, presenting their findings and prompting community and local government support for a sewage treatment plant.

Their work earned them an award at international events, including the 2024 GLOBE Students Conference in Mělník and the 2023 GLOBE Virtual Students Conference. Even Peter Falcon from NASA praised their initiative, stressing the role of youth in environmental action.

This is just one more story of the GLOBE Program, where students are always at the center of learning. It is them who design research and do the fieldwork, who face the curious questions of the audience, and who speak 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 8 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 coming out of the bud and then they continue 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





## 2024 GLOBE Regional Meeting

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

In 2024, 26 countries, including Europe and Eurasia region states, the United States, and India, were represented by Country Coordinators, trainers, scientists, teachers, education experts, GLOBE alumni, and U.S. Embassy representatives—counting 123 participants who attended.

The first two days were for the GLOBE Country Coordinators to share updates on the program implementation in schools in their countries and to network for future projects.

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

The 2024 meeting was hosted by GLOBE Slovenia, Center šolskih in obšolskih dejavnosti, and the Primary School Rodica, Domžale. The event was organized by the GLOBE Europe and Eurasia Region Coordination Office in cooperation with the GLOBE Europe and Eurasia Board and the GLOBE Implementation Office, USA.



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