



# THE GLOBE PROGRAM IN LITHUANIA



The GLOBE Program in Lithuania was launched in 2002 when the Ministry of Science and Education of the Republic of Lithuania together with The Lithuanian Centre of Non-formal Youth Education started to coordinate this Program.

GLOBE program is funding by Ministry of Science and Education of the Republic of Lithuania.



ŠVIETIMO  
IR MOKSLO  
MINISTERIJA

Lithuanian GLOBE schools work on environmental measurements and observations. 41 schools participate in the GLOBE Program officially; 30 percent of them send reporting data and participate in GLOBE events regularly. There are more than 150 students in the Program.

Most popular GLOBE program protocols are Atmosphere, Land cover, Hydrology, Soil.

GLOBE program protocols are using in the process of formal education.

Collected GLOBE data are delivered in the national conferences and competitions.



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# SCHEME OF THE GLOBE PROGRAM MANAGEMENT IN LITHUANIA

Motivation points:

1. Fascinating;
2. Increased qualification and experience;
3. Additional information / a new methodology to work in the class;
4. Accredited certification system (useful in accreditation process for LT teachers);
5. Meetings.

**Motivated teachers**

**Publicity**

To publish information about GLOBE in:

1. Newsletters, newspapers, magazines dedicated to Lithuanian schools;
2. Websites;
3. Other national events.

**GLOBE program**

**Motivated students**

Motivation points:

1. Fascinating;
2. Increased awareness;
3. Possibility to use GLOBE data for others investigations, competitions;
4. Meetings (meet with "GLOBE friends").

**Accessibility**

To ensure:

1. Possibility to participate in teachers' course;
2. Possibility to get necessary measurements' equipment for schools.

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# GLOBE PROGRAM ACTIVITIES IN 2013

## GLOBE teachers' training course

GLOBE teachers' training course was on held 14-15 June, 2013. The course took place in The Lithuanian Centre of Non-formal Youth Education and was dedicated to new teachers and the ones with a few years' experience.

Participants worked in eight workshops and had possibility of improving their skills in such topics as: Atmosphere and Climate: Automated Air and Soil Temp, Clouds, Max; Min; Current Temperature, Precipitation, Site Definition - ATM, Surface Temperature; Earth as a System: Budburst, Green-down, Green-up, Site Definition - Earth as a System; Hydrology: Alkalinity, Conductivity, Dissolved Oxygen, Freshwater Macroinvertebrates, Nitrates, pH, Site Definition - Hydrology, Temperature. Also there were a lot discussions and practice how to send GLOBE data correctly and how to use the GLOBE program website in general.





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## The annual Students' and Teachers' GLOBE program conference "Possibilities of Learning GLOBE"

The annual Students' and Teachers' GLOBE program conference "Possibilities of Learning GLOBE" was held on 13-14 December, 2013. The main aims of that conference were to develop the knowledge of students in different fields of the environmental investigation, to familiarize with the possibilities of environment measures in the GLOBE program as well as improve collaboration between students and teachers.

The presentations of the GLOBE research and observations were delivered by the students of "GLOBE schools". They presented the results of the investigations of the atmosphere, land cover, phenology protocols, and related themes. It was an excellent opportunity to learn more from each other and it could also inspire the students for the future. The participants also conducted in research cooperation with the scientists of Vilnius Gediminas technical University on the topics in a mobile laboratory. They worked in groups and investigated air pollution, electromagnetic fields, and acoustic level. A Lector from Vilnius University delivered presentation about satellite earth research. Students were surprised by how many measurements can be made from the space.

