



Once recorded, the data are transmitted to the central computer via Internet. This provides for a rapid system of data collection, which are then accessible to everybody, to see and to use.

The use of the Internet in this manner adds value to the Program, by connecting schools throughout the world into a single, common goal and by providing a real, hands-on participation in a worthwhile exercise.

**GLOBE** begins with the satellite image of the square area of 15km x 15km around the school – this image is provided on a disc. All **GLOBE** measurements are made within this area.

**GLOBE** covers four major areas of observation:

*CLIMATE, WATER, SOILS, LAND COVER*

Later on, additional four observation areas will be introduced:

*TRANSPORT, ENERGY, WASTE,  
BIODIVERSITY*



## The **GLOBE** SCHOOLS IN MACEDONIA

The Republic of Macedonia joined the **GLOBE** Program on August 24, 1998.

There are nine schools working with the program:

1. “**Niko Nestor**” – Struga
2. “**Pere Tosev**” – the Village of Dupjacani, vicinity of Prilep
3. “**Goce Delcev**” – Valandovo
4. “**Dimitar Miladinov**” – Skopje
5. “**Goce Delcev**” – Resen
6. “**Aco Ruskovski**” - Berovo
7. “**Naum Naumovski - Borce**” - Probistip
8. “**Dimitar Vlahov**” - Strumica
9. “**Gjorce Petrov**” - Kavadarci

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**Macedonian Environmental Information Center**

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# GLOBE

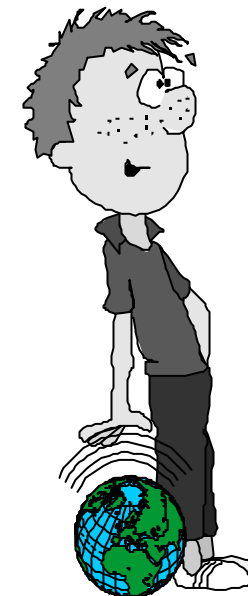
In MACEDONIA



Republic of Macedonia  
Ministry of Environment and Physical Planning

*Global Learning and Observations to  
Benefit the Environment*

**GLOBE** is a world-wide scientific and educational program which coordinates the work of students, teachers and scientists in order to study and understand the global environment.



The **GLOBE** Program is an international partnership involving countries from all-over the world.

**GLOBE** develops a sense for science, mathematics, and advanced technology among young people. Students make valuable scientific work and observe the results of their observations directly.



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### **GLOBE goals:**

- ◆ To enhance the environmental awareness of individuals worldwide
- ◆ To contribute to the scientific understanding of the Earth
- ◆ To help students everywhere to increase achievement in science and mathematics.



The **GLOBE** Program was introduced in 1994, by the U.S. Vice President Al Gore. **GLOBE** officially began operations on April 22, 1995, at the 25<sup>th</sup> Earth Day.

The Program is led by the U.S. Government, through partnerships with other countries. The Program has so far involved more than 89 countries and over 8,400 schools.

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### The power of **GLOBE** is in partnerships

Students make hands-on experiments which have real scientific meaning. They learn how their local observations, together with those of other students and scientists from around the world, contribute to complete the image of the global environment.

Teachers world wide instruct the students how to make measurements, help students to understand the meaning of their observations and explain the importance of the global recognition.

Teachers and students analyze data related to the information obtained from other sources. The study of the environment in the framework of **GLOBE** contribute to the better understanding of the Earth.

Nations throughout the world involve their schools in the **GLOBE** in order to enhance the global environmental awareness and global data collection.

Organizations and programs supporting the environmental education and scientific activities, join together in common efforts with **GLOBE**.

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- ◆ **GLOBE** is a world wide network of primary and secondary school students who work under the guidance of teachers trained to carry out the **GLOBE** Program.

### **GLOBE** students:

- ◆ make a core set of environmental observations at or near their schools;
- ◆ report their data through the Internet to a **GLOBE** data processing facility;
- ◆ receive and use global images created from worldwide **GLOBE** school data; and
- ◆ study environmental topics in their classrooms.



The **GLOBE** Program functions through the provision of an educational package of standardized methods, to enable students to measure environmental aspects. These standards are used worldwide, providing for comparative recording of all measurements.

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