



## **The GLOBE program in the Hungarian environmental education**

**T. Weidinger** (1), Gy. Gyuró (1,2), A Orgoványi (3), I. Döry (4), T. Kalapos (5), A. Victor (6), I. Juhász (7), P. Tóth (8) , A. Machon (9)

(1) Department of Meteorology, Eötvös Loránd University, Hungary, (2) Hungarian Meteorological Service, (3) Hungarian Ministry of Education, GLOBE Coordinator, (4) West Hungarian University, (5) Department of Plant Taxonomy and Ecology, Institute of Biology, Eötvös Loránd University, Hungary, (6) Institute of Chemistry, Eötvös Lorand University, Hungary, (7) Gábor Áron High School, Karcag, Hungary, (8) Bibó István High School, Kiskunhalas, Hungary, (9) Department of Botany and Plant Physiology, Szent István University, Hungary

The GLOBE international environmental educational program was initiated in 1994 in the United States. In the framework of an international environmental observation network, high school students perform systematic measurements and observations in the fields of meteorology, soil science, water chemistry and botany. Hungary joined the GLOBE program in 1999. Currently 28 Hungarian high schools participate with technical aid from the Ministry of Education and the Ministry of Environmental Protection and Water Management. The project is supported by a committee of experts from university scientists and professors: they participate in the training of the GLOBE teachers (lectures, field demonstrations and joint research projects); student tenders based on GLOBE database and measurements are being invited; synchronized measurement days which calls the attention of students to the usage of the data that they have collected. The planned GLOBE special course in the university education introduces the program to future high school teachers. This is directly linked to the university education of Environmental Science teachers. We deem importance to the introduction of the beauty of nature besides measurements and scientific issues, which is yielded through art projects. The activity of GLOBE students and the role of the program in environmental education are introduced through the activity of two GLOBE high school groups. Integration of the program into the educational routine is also covered. Results of measurements together with some student research projects are presented.

The GLOBE gives publicity for scientific research and introduces national and international research projects to high school students. This opportunity is demonstrated through the relationship of the EU-6 NitroEurope program and the environmental education.