

Ukraine

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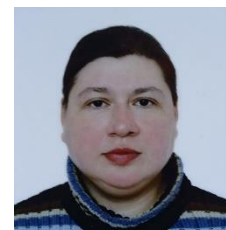
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Organization and Number of Staff:

The National Ecological and Natural Science Center of the Ministry of Education and Science of Ukraine is a leading educational institution in the field of ecology, biology and natural science in Ukraine, a component of the extracurricular education system for gifted and motivated students. NENC has also been the national coordinator of the GLOBE program in Ukraine since 1999. GLOBE is part of the national program of integration into the European and global educational space. The coordination office of the GLOBE program in Ukraine employs a program coordinator and 2 representatives of the coordinator. In addition, the center also involves other staff during the organization of events or competitions.

Funding by:

Ministry of Education and Science of Ukraine

Cooperating Organizations/Individuals:

The Ministry of Education and Science of Ukraine, the Ministry of Environmental Protection and Natural Resources of Ukraine, the Ukrainian Hydrometeorological Center, the State Space Agency of Ukraine, the Palladin Institute of Biochemistry of the National Academy of Sciences of Ukraine, the Institute of Botany named after Academician of Kholodny National Academy of Sciences of Ukraine, Taras Shevchenko Kyiv National University, Kyiv-Mohyla Academy National University, public organizations, etc.

GLOBE Schools (what types, how many):

There are 502 schools and educational institutions, 5038 students, 463 teachers, and 1304 program observers registered on the website. Due to the fact that hostilities continue in Ukraine, there are only about 16 active participating schools as of November 2024. The GLOBE network in Ukraine includes not only institutions of the general secondary world, but also institutions of extracurricular education. Students of higher educational institutions are also registered.

GLOBE Areas you and schools focus on:

The most popular areas among Ukrainian GLOBE students are the following:

- Soil: Soil moisture by gravimetry, soil moisture by SMAP;
- Atmosphere: Air temperature, barometric pressure, cloud observations, precipitation, relative humidity, snow cover, surface temperature;
- Phenology: (GreenUp/GreenDown), tree biometry, vegetation cover;
- Some teachers conducted measurements in the field of Hydrology (dissolved oxygen, nitrates, transparencies, water pH, water temperature) and Land cover (water temperature, water pH).

Number of Schools Reporting Data over Past Year:

11

Program Implementation, International Cooperation in GLOBE Network, and Activities over Past Year (categorized by GLOBE Strategic Plan 2018-2023 Goals):

1. Education

Between October 2023 - October 2024, we registered new GLOBE teachers, provided them with training support, added new schools to the existing accounts of trained GLOBE teachers, as teachers moved across the territory of Ukraine to safer regions, and also provided assistance to GLOBE schools.

2. Science

Between October 2023 - October 2024, 22 new teachers were registered in the GLOBE program. Scientific data was collected and uploaded to our website, with 48 teachers and students conducting as many as 128,582 observations in the field of Phenology, Atmosphere, Climate and Land cover. Teachers and students from Ukraine took an active part in the European Phenology Campaign (spring-autumn). As part of the GLOBE program, the annual events "Calendar GLOBE 2024", GLOBE Marathon 2024 and GLOBE Games 2024 were held, while the last 2 events were dedicated to the 25th anniversary of the GLOBE program in Ukraine. From October 2023 to October 2024, we are holding the All-Ukrainian online photo contest *Autumn Symphony of Ukraine: My Tree*.

3. Community

22 new teachers were involved in the GLOBE Program.

4. Technology

Between October 2023 - October 2024, 18 schools actively entered data with different frequency and there are 11 active schools at present. We hope that the activity of schools will increase with the beginning of the new school year.

5. Communications

We conduct consultations for community members, keep people updated on news and events, and continue to actively share updates with the GLOBE community via Viber. We also provide news about the program through our website (www.nenc.gov.ua/GLOBE), where information is regularly posted about webinars, Zoom conferences, regional meetings, and more. The website also highlights competitions organized by NENC within the framework of the international program.

Plans and Ideas for Next Year:

NENC is preparing an online meeting for GLOBE Ukraine teachers in December 2024 to facilitate experience-sharing (including practical education skills and plans for the new academic year). We will continue to organize annual national events as part of the GLOBE program, aiming to involve as many teachers and students as possible.

Planned activities include:

GLOBE 2025 Calendar, Spring Phenology Campaign, GLOBE Marathon 2025, GLOBE Games 2025, Autumn Phenology Campaign, Training sessions and seminars for teachers throughout the year