

Information on Ukraine's Participation in the International GLOBE Program

(Based on the Results of 2025)



**National coordinator of the Program –
Volodymyr VERBYTSKYI**

The GLOBE Program in Ukraine

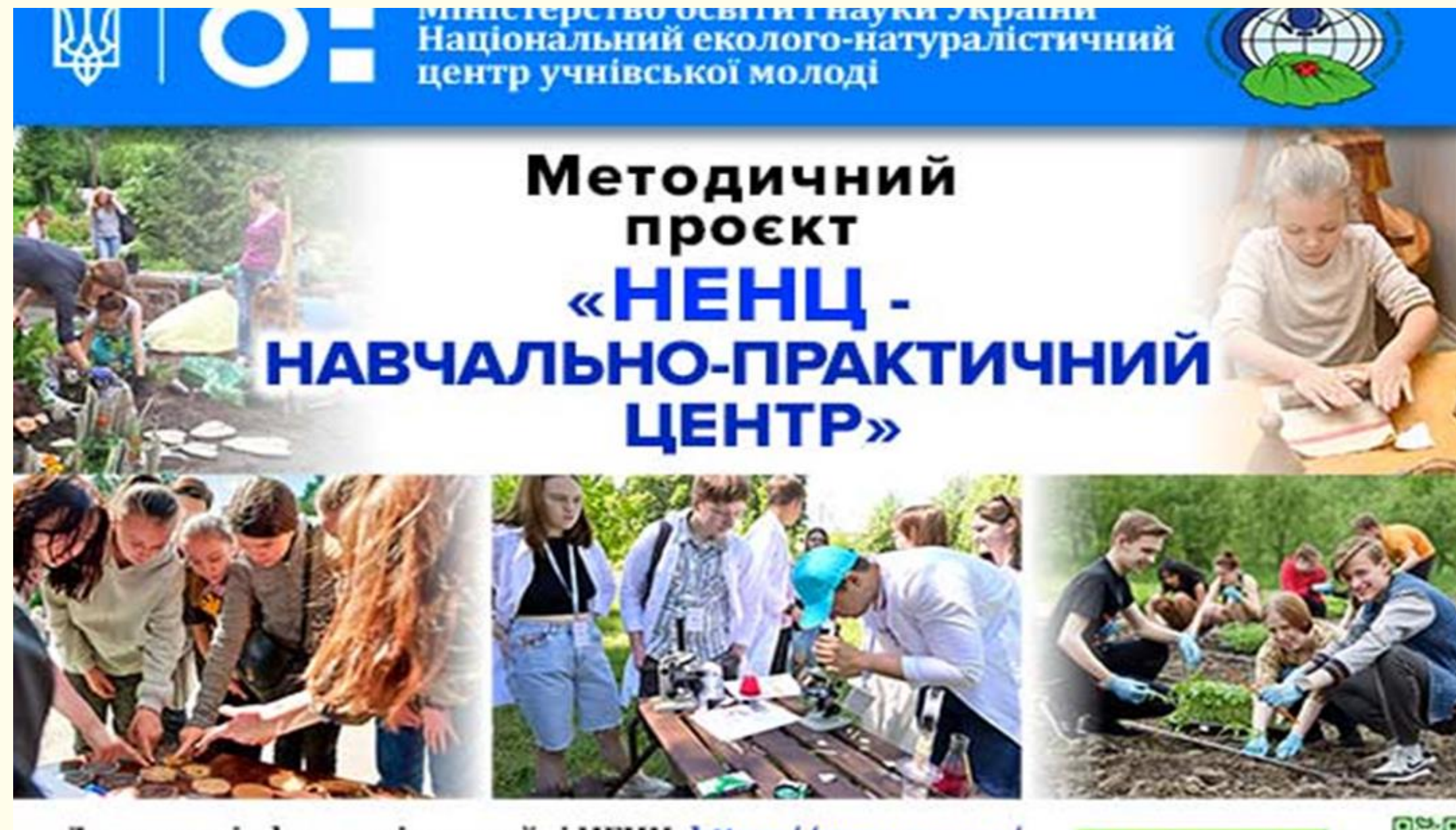


The GLOBE Program was introduced in Ukraine in 1999. Since 2001, the National Center for Environmental and Naturalistic Education of Students of the Ministry of Education and Science of Ukraine (NENC) has served as the national coordinator of the Program. The Director of NENC and National GLOBE Coordinator in Ukraine is Volodymyr Verbytskyi, Doctor of Pedagogical Sciences, Professor.

NENC is the leading state extracurricular educational institution in Ukraine specializing in ecology, biology, and natural sciences.

The GLOBE Program in Ukraine

The GLOBE Program is an integral part of Ukraine's national strategy for integration into the European and global educational community. The GLOBE Coordination Office in Ukraine consists of the National Coordinator and two Deputy Coordinators.



Despite the ongoing military aggression of the Russian Federation against Ukraine, Ukrainian teachers and students continue to actively participate in the International GLOBE Program.



Currently, 502 educational institutions in Ukraine are registered on the international GLOBE website www.globe.gov

Participation in the GLOBE Program has been gradually increasing over the past six months. A total of 379 teachers and more than 4,000 students are involved in GLOBE activities. The GLOBE network in Ukraine includes not only general secondary education institutions but also extracurricular education centers. A GLOBE Coordinating Council composed of active educators has been established in Ukraine.

Ukrainian educational institutions actively cooperate with schools in Lithuania, Finland, the Czech Republic, and other countries. From January to March 2025, students of the Ivano-Frankivsk City Children's Environmental Center participated in the Irish project "How Spongy is Your School?". Within the framework of the project, students measured precipitation levels, assessed the school grounds for flooding risks, determined steps for overcoming the problem, and presented their findings at the international conference.

Ukrainian students also participated in the prestigious international competition "Look Up Cloud Hunters 2026." Organized with the support of Croatian non-governmental organizations, the competition is an important activity within the international project "GLOBE Program Elementary K-4," implemented in cooperation with the educational initiative "Science Picnic."





The official GLOBE website in Ukraine is continuously updated,
(www.nenc.gov.ua/old/globe)
and the program's social media pages are actively maintained. The number of followers of the "GLOBE in Ukraine" Facebook page continues to grow.

(www.facebook.com/globeinukraine)



Within the framework of the GLOBE Program, Ukraine annually organizes a number of national events, including:

- The All-Ukrainian Training Workshop for GLOBE Coordinators in Ukraine;
- The All-Ukrainian "GLOBE Calendar" Competition, the results of which are used to produce a calendar featuring the best photographs submitted by participants;
- The All-Ukrainian Review Competition "Geographical Site in Action";
- The All-Ukrainian GLOBE Games;
- Several international cooperation projects initiated within the GLOBE network.



The most popular GLOBE investigation areas among Ukrainian students are:

Soil: Soil moisture measured using the gravimetric method and soil moisture measured using SMAP. The total number of observations submitted under these protocols during the year was **564**.

Atmosphere: Air temperature, barometric pressure, cloud observations, precipitation, relative humidity, snow cover, and surface temperature. The total number of observations submitted under these protocols during the year was **356**.



Phenology: Green-Up/Green-Down, tree biometrics, and vegetation cover. Atmospheric measurements included air temperature, cloud observations, barometric pressure, precipitation, relative humidity, and surface temperature. In addition, some teachers conducted hydrology measurements (dissolved oxygen, nitrates (naitraits), transparency tubes, water pH, and water temperature) and land cover observations (water temperature and water pH). The total number of observations submitted under these protocols during the year was **297**.

In recent years, a total of **132,007** observations have been conducted within the framework of the GLOBE Program in the areas of phenology, atmosphere, climate, and land cover.

Activities and Achievements:

During the 2025–2026 academic year, we :

- registered new GLOBE teachers;
- provided support for their training, and added new schools to the accounts of certified GLOBE educators. This was particularly important as many teachers relocated to safer regions of Ukraine due to the ongoing war;
- assistance was also provided to GLOBE schools across the country;
- data were collected and submitted to the GLOBE website;

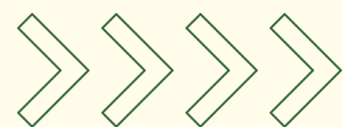
Educators and students from Ukraine actively participated in the 2025–2026 European Phenology Campaign (Spring–Autumn), including:

1. The European “Spring Tree” Campaign 2025–2026;
2. The European Autumn Phenology Campaign “Autumn Tree” 2025;
3. The All-Ukrainian Online Photo Contest “Autumn Symphony of Ukraine: My Tree.” More than 1,000 photographs were submitted by students from general secondary, vocational and technical (професійно-технічна), and extracurricular educational institutions representing the Vinnytsia, Kyiv, Ivano–Frankivsk, Dnipropetrovsk, Donetsk, Zhytomyr, Zakarpattia, Kirovohrad, Lviv, Mykolaiv, Poltava, Odesa, Khmelnytskyi, Chernivtsi, Chernihiv, Rivne, and Sumy regions of Ukraine.
4. The annual All-Ukrainian Art Competition “GLOBE Calendar 2025.”

“Student Biodiversity Monitoring Platform.”

To study biodiversity status at the local level, identify changes in species composition and habitat conditions (видовому складі та умовах існування організмів), and develop students' practical skills in field and laboratory ecological research, NENC launched a unique environmental initiative in 2026.

The initiative aims to unite students, educators, scientists, and local communities around a common goal: researching, conserving (збереження), and restoring the environment through the Unified Online Resource “Student Biodiversity Monitoring Platform.”



Information about the project (Regulations, links to monitoring data tables, and results) is available at:

https://nenc.gov.ua/?page_id=61688 .

Project “GLOBE Project: Environmental Studies – The Future Starts Here,”



NENC initiated the project “GLOBE Project: Environmental Studies – The Future Starts Here,” which is a practical embodiment (втілення) of the philosophy “Think Globally, Act Locally” and provides young people with tools to create meaningful change.

Project participants include scientists, academic and teaching staff of higher education institutions, school teachers, methodologists, postgraduate students, representatives of non-governmental organizations, and learners from general secondary and extracurricular education institutions.

As a result of the project initiative, a collection of participants' research papers representing most regions of Ukraine was published.

World Meteorological Day.



General secondary and extracurricular education institutions participating in the GLOBE Program actively joined the celebrations of Earth Day 2025 and World Meteorological Day.

Various environmental and conservation activities were organized, including awareness campaigns, quests, educational events, and festivals.

An excellent research facility is the Geographical Observation Site operating at NENC. Similar sites have also been established at other environmental and naturalistic extracurricular education institutions throughout Ukraine. To promote meteorological investigations, NENC annually organizes the All-Ukrainian Review Competition "Geographical Observation Site in Action."



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інформаційного вісника**

«ЕКОНАБАТ»



Натураліст

Within the framework of the Program, NENC launched an environmental information bulletin titled "ECONABAT" on its digital platform.

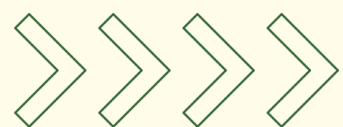
The purpose of the bulletin is to identify and document evidence for future accountability of the Russian aggressor for actions that may lead to environmental catastrophe (ecocide) in Ukraine.

As a result of the military aggression, approximately 900 protected natural areas, covering 1.24 million hectares, and around 200 Emerald Network Смарагдової мережі sites with a total area of 2.9 million hectares have been affected by hostilities.

According to the United Nations Environment Programme (UNEP), ecosystems covering at least 530,000 hectares of land have been damaged or destroyed as a result of the Russian Federation's armed aggression against Ukraine, including 80,000 hectares within 18 protected areas.

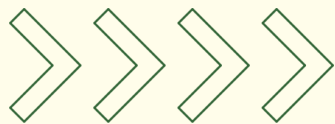
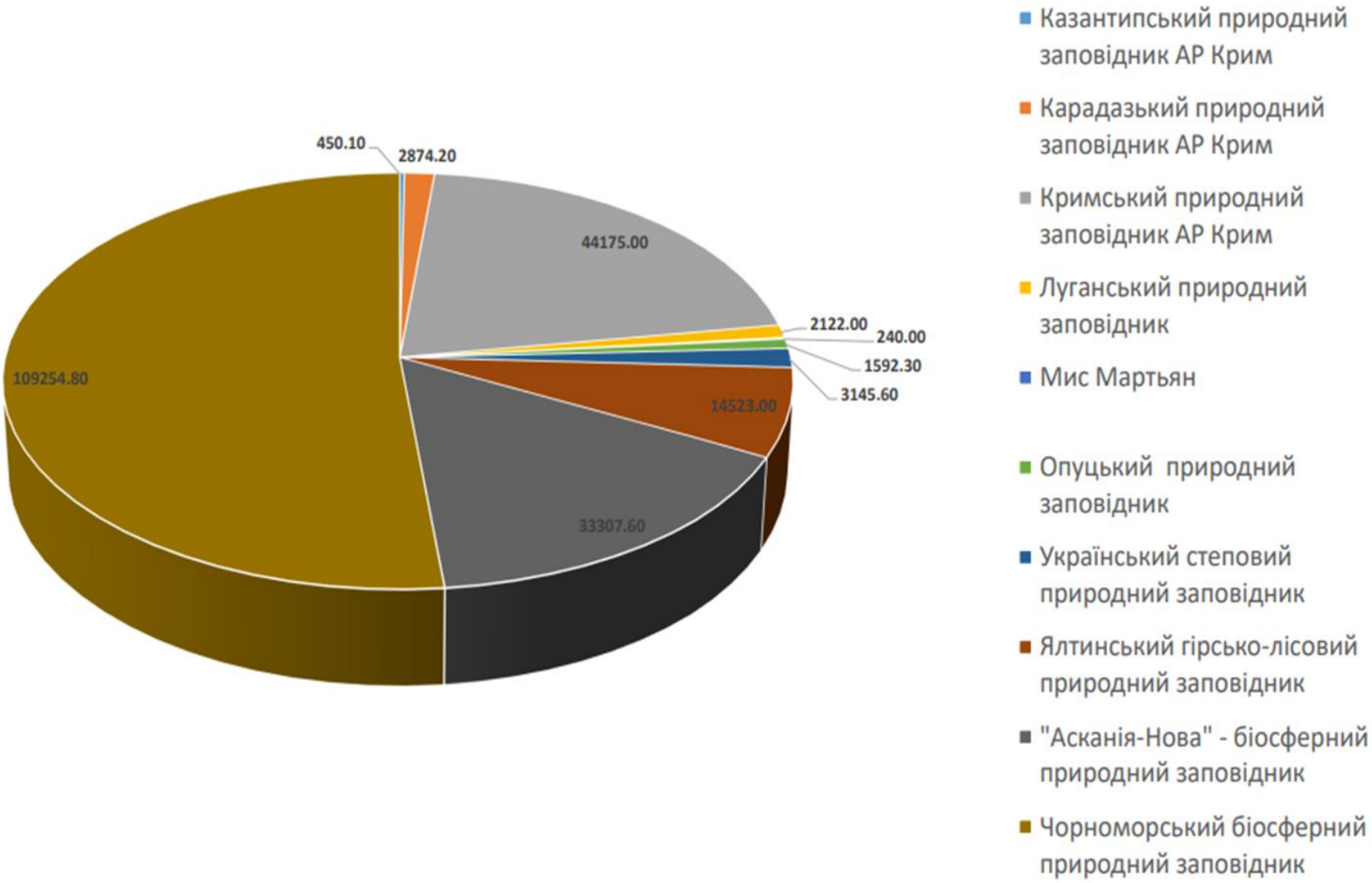


UN data indicate that parts of the Donetsk and Luhansk regions are approaching an environmental disaster due to severe air, soil, and water pollution.



Territories that have long been under special state protection are being subjected to destructive exploitation or direct destruction. For example, within the Chornobyl Radiation and Ecological Biosphere Reserve, which is part of the Emerald Network (Chornobyl Biosphere Reserve, UA0000046), 31 wildfire sites covering a total area of 10,111 hectares were recorded. Valuable habitats were damaged by these fires, and their restoration will require considerable time.

Територія заповідного фонду України під час тимчасової окупації (га)





In the Kherson region, occupying forces deliberately set fire to the floodplains of the Dnipro River, which are also part of the Emerald Network site Lower Dnipro (UA0000192). Such actions result in the degradation of wildlife habitats, a decline in biodiversity, and damage to or destruction of valuable biotopes (baiotops) and habitats listed under Resolutions 4 and 6 of the Bern Convention on the Conservation of European Wildlife and Natural Habitats.

With each passing day of the war, environmental losses continue to increase. Ukraine is systematically documenting and recording evidence of ecocide and other environmental crimes committed by the occupying forces on its territory.

OUR PLANS

1. Training on problem-oriented learning on the example of GLOBE for teachers.
2. International cooperation through bilateral projects and online cooperation.
3. Fundraising (search for sponsors for the program remains one of the priority tasks).
4. Citizen science – involvement of a wide range of population in the program (due to the use of digital technologies – smartphone applications and popularization). For example: project “Ecology in a smartphone for youth: creation of a modern mobile application – “Power of EcoBubble”. With the assistance of “The Elfenworks Foundation” development of chatbot “EcoBubble” – @EcoBubbleBot.
5. Development of youth leadership. Within the framework of the work of the All-Ukrainian Children’s Environmental Parliament we plan to create the program “Youth Ambassadors GLOBE Ukraine”, which will contribute to the formation of a generation of young environmental leaders capable of initiating nature protection projects at local, national and international levels.
6. Integration of GLOBE into education. Through the work of the SINGLE ONLINE RESOURCE “Platform ‘Student Monitoring of Biodiversity Status’”.



Proposals for international support for the development of the GLOBE Program in Ukraine

1. Grant support for educational institutions

Create a special grant program for institutions of general secondary and extracurricular education of Ukraine for the implementation of student research projects aimed at monitoring the state of the environment and restoration відновлення of natural ecosystems.

2. Provision of scientific equipment

including:

- GPS devices;
- digital laboratories;
- tablets and other mobile equipment for field research.

3. Program “Teacher Exchange GLOBE”

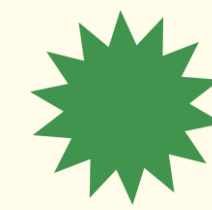
Introduce international programs of professional exchange of teachers between GLOBE participating countries.

4. Scholarship programs for student youth

Provide international scholarships and mini-grants for support of talented students who implement research projects.



Ukraine's GLOBE web portal



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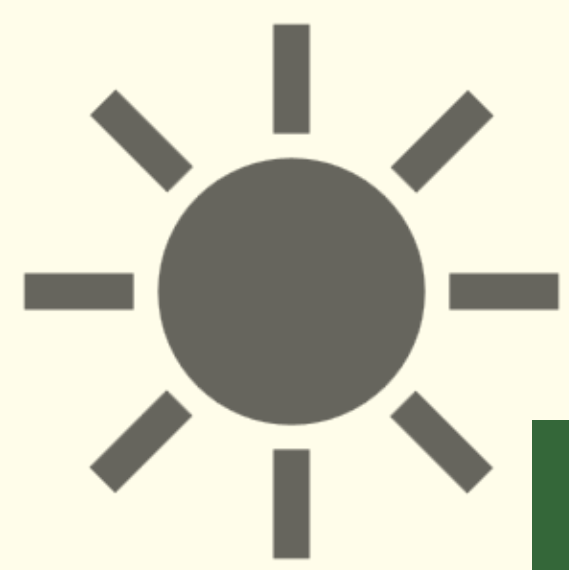
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<https://nenc.gov.ua/globe/>



Thank you
for your attention

