

Estonia

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Organization and Number of Staff:

- MTÜ GLOBE Eesti, 3 members of the Board, Project Manager
- Tech support
- Accountant
- Ministry of Education and Research GPO - Liia Varend
- Team of volunteers (15 people)

Funding by:

- Republic of Estonia Ministry of Education and Research
- U.S. Embassy in Tallinn, Estonia
- Schools, Local municipalities
- City of Tartu
- Private sponsors

Cooperating Organizations/Individuals:

- Republic of Estonia Ministry of Education and Research
- U.S. Embassy in Tallinn, Estonia
- University of Tartu
- Tallinn University
- MTÜ Klubi EGEEA-Tartu
- AHHAA Science Centre

GLOBE Schools (what types, how many):

- 70 public schools have joined the GLOBE program
- 70 schools have reported data
- 25 schools have reported data during last 12 months
- 50 schools involved in different activities during the year 2023

GLOBE Areas you and schools focus on:

- Atmosphere: Air Temperatures, Barometric Pressures, Cloud Observations, Precipitations, Relative Humidities, Snowpacks, Surface Temperatures
- Earth as a System: Green Up/Green Down
- Hydrology: Alkalinities, Conductivities, Dissolved Oxygens, Nitrates, Salinities, Transparencies, Water pH, Water Temperatures

- Land Cover: Biometry Trees, Graminoid Biomasses, MUC, Photos, Vegetation Covers
- Soil: Fertilities, Layer Descriptions, Soil Moisture via Sensors, Soil pH, Soil Temperatures
- GLOBE IVSS

Number of Schools Reporting Data Over Past Year:

25

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

1. Education

EG1. GLOBE materials are part of curricula in Estonia (science, geography, biology, physics, maths)

EG2. We have 15 trainers in Estonia. Our trainers speak Estonian, Russian and English. We have two mentor trainers who speak Estonian and Russian.

EG3. 8 research projects in GELE Estonia (140 participants involved).

11 research projects submitted to GLOBE IVSS 2023

EG4. Stories in school blogs, local newspapers.

2. Science

SG1. 12 scientists and STEM professionals were involved in GLOBE Estonia Learning Expedition. 6 research projects supervised by scientists.

SG2. Schools from different regions participate in the GLOBE program. The network covers Estonia. 4 schools have received honor rolls.

SG4. 11 research projects in GLOBE IVSS 2023

3. Community

CG1. 7 new GLOBE schools joined the network.

CG2. More than 30 schools participated in GLOBE Estonia Learning Expedition, including schools from other GLOBE countries in Europe. Teams were formed of students from different schools. 10 presentations were made based on the data collected. Some research projects will be sent to GLOBE IVSS.

CG3. Learning Days project to engage Ukrainian students, who have come to Estonian schools, in learning about Estonian nature and support their integration.

CG4. Visit from Astronaut Nicole Aunapu Mann, initiated by our GLOBE students sending a message to her into space. She visited Estonian GLOBE students and teachers across the country.

4. Technology

TG1. 25 schools are reporting the data, 4 schools have received honor rolls throughout the year.

TG2. GLOBE website is used by GLOBE schools (data sheets, materials)

TG3. GLOBE Observer App was used during the GLOBE Estonia Learning Expedition and Collaboration Days, apps are used in schools.

5. Communications

CMG1. GLOBE FB and Instagram are introduced to GLOBE Schools.

GLOBE Estonia launched its YouTube @globeeesti

CMG2. GLOBE star about Collaboration Days

CMG3. Stories in Estonian Media,

Plans and Ideas for Next Year:

- GLOBE Estonia **Learning Expedition August 12th to 15th**
- Participating in GLOBE IVSS
- GLOBE Research projects support program
- GLOBE Earth Day celebration
- GLOBE Board Game Development with Students
- Hiking/Learning Days for students continues