

Estonia

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Organization and Number of Staff:

MTÜ GLOBE Eesti, 3 members of the Board
Tech support
Accountant
Ministry of Education and Research GPO Kärt-Katrin Pere and Liia Varend
Team of volunteers (16 people)

Funding by:

Republic of Estonia Ministry of Education and Research
U.S. Embassy in Tallinn, Estonia
Environmental Investment Centre
Schools, Local municipalities

Cooperating Organizations/Individuals:

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

GLOBE Schools (what types, how many):

90 public schools have joined the GLOBE program
60 schools have reported data
22 schools have reported data during last 12 months

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

Number of Schools Reporting Data over Past Year:

22

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 one mentor trainer who speaks Estonian and Russian. One new mentor trainer, 2 new trainers.
- EG3.** 11 research projects in GLE Estonia (158 participants involved). 7 research projects submitted to GLOBE IVSS 2022
- 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 networks covers Estonia. 6 schools have received honor rolls.
- SG4.** 6 research projects in GLOBE IVSS 2022

3. Community

- CG1.** 4 new GLOBE schools joined the network
- CG2.** 37 schools participated in GLOBE Estonia Learning Expedition. Teams were formed of students from different schools. 11 presentations were made based on the data collected. Some research projects will be sent to GLOBE IVSS
Collaboration project between schools -GLOBE KLASS+

4. Technology

- TG1.** 16 schools are reporting the data, 6 schools have received honor rolls throughout the year
- TG2.** GLOBE website is used by GLOBE schools (data sheets, materials)
- TG3.** GLOBE Data Entry App was used during the GLOBE Estonia Learning Expedition, apps are used in schools

5. Communications

- CMG1.** GLOBE FB and Instagram are introduced to GLOBE Schools.
GLOBE Estonia launched its YouTube @GLOBEeesti
Regina Riis is GLOBE vlogger
- CMG2.** GRLE2022 and GLOBE star
- CMG3.** More than 20 papers about GRLE2022 in Estonian media

Plans and Ideas for Next Year:

GLOBE Baltic Learning Expedition August 7nd to 10th!

GLOBE IVSS

GLOBE Research projects support program

GLOBE Earth Day celebration

GLOBE Klass+ collaboration project among Estonian schools;

Collaboration with MTÜ EGEA-Tartu – Cool Geography Lesson (visiting schools and introducing VR opportunities in GLOBE)