

Slovenia

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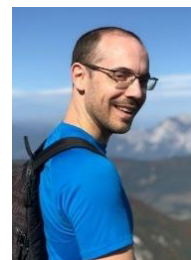
Country Coordinator (CC)

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Deputy CC

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Organization and Number of Staff:

Country coordinator and deputy country coordinator, supported by their organizations (Centre for School and Outdoor Education and the Ecoschool Program) and **a team of four GLOBE teachers** that have taken on additional organizational tasks (translation and quality of materials, purchasing and logistics of equipment, communication and promotion).

Funding by:

Ministry of Education, Science and Sport of Slovenia provides core funding, additional funding is provided by **various projects**. In 2022 there was one such project, financed by the US Embassy in Ljubljana, we are also applying for Erasmus+ projects that include GLOBE activities and exploring options of funding some GLOBE activities within the framework of national projects connected to Environment and Climate Change education.

Cooperating Organizations/Individuals:

The **Ministry of Education, Science and Sport of Slovenia** has charged the **Centre for School and Outdoor Education (CŠOD)** with coordinating the GLOBE program in Slovenia. CŠOD in turn formed a partnership with the **Ecoschool Program in Slovenia** to ensure a quicker implementation of the GLOBE Program in Slovenian schools. The Ministry has also formed an advisory group to oversee the GLOBE Program implementation in Slovenia. An active cooperation with the **US Embassy in Ljubljana** is established.

GLOBE Schools (what types, how many):

Slovenia is finishing its second year of GLOBE, and we have already registered **41 GLOBE schools** (from 14 in 2021), of which **25 are primary schools** (from 8 in 2021), meaning students aged 6 to 14, **15 are secondary schools** (from 5 in 2021), meaning students aged 15 to 19, and one is the Centre for School and Outdoor Education with its 25 outdoor learning centers throughout Slovenia.

GLOBE Areas you and schools focus on:

All GLOBE Areas, with a starting focus on **Hydrology and Atmosphere**, as well as the more basic protocols in **other Areas**, such as soil temperature, biometry, land cover, green-up and green-down. Additionally, we are focusing on GLOBE international campaigns and have also taken part in several international GLOBE events this year.

Number of Schools Reporting Data over Past Year:

21 schools have reported data in 2022, along with several citizen scientists.

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

1. Education

37 GLOBE teachers (new and existing) attended the **May 2022 live training** in Slovenia with trainers from GLOBE Croatia (live), the GLOBE Europe and Eurasia regional office (online) and NASA (online). There will be a **similar training held on 18th and 19th November**, with 45 teachers (new and existing) applying to attend. Several teachers also finished the **e-training program** on the GLOBE website.

The first GLOBE Trainer in Slovenia, Danica Korpar, successfully finished the certification process in June 2022. By mid-November 2022, Slovenia has a total of **83 trained GLOBE teachers and one certified GLOBE trainer**.

The first **16 protocols with accompanying materials** were translated into Slovenian in 2021 and have undergone language and expert review in 2022 (Atmosphere – 5, Hydrosphere – 7, Pedosphere – 1, Biosphere – 3) and are available for Slovenian GLOBE teachers to use with their students.

2. Science

GLOBE Slovenia has not yet established a connection with scientists in Slovenia, but **NASA scientists** have participated in several of our events, and we are in contact with **scientists from Australia** that are working on the proposed Microplastics protocol.

We are expecting a **visit from NASA scientist, Brian Campbell**, from 23rd to 27th November. Brian will present several times on different topics connected to GLOBE to Slovenian students (a lecture at the Center of Space Technologies Herman Potočnik Noordung) and Slovenian teachers (lecture and workshops at the international conference Forest and Climate Change in Bohinj, Slovenia).

3. Community

The **GLOBE community in Slovenia is getting stronger**, with some GLOBE teachers continuing their work with students and some starting it for the first time in the school year 2022/2023. We have several citizen scientists interested in the program and using the GLOBE Observer mobile app.

In addition to the Country Coordinator and Deputy Country Coordinator, a **growing number of teachers is becoming active in the global, regional and cross-border GLOBE activities**, connecting GLOBE Slovenia to the wider GLOBE community:

- Slovenian teachers have been active in several **international GLOBE campaigns**, including the Spring and Autumn European Phenology Campaigns, the Water Bodies Challenge and the NASA Cloud Challenge.
- A group of teachers and students, including the Deputy Country Coordinator, have participated in the **GLOBE Learning Expedition in Estonia**.
- Representatives of Slovenia, including the Country Coordinator, have participated in the online **GLOBE Annual Meeting**.
- A group of teachers and the Country Coordinator have participated in the **regional meeting for Europe and Eurasia** in Omiš, Croatia.
- School to school **cooperation between Croatian and Slovenian GLOBE teachers** that has started in November 2021 has continued in 2022 and resulted in a successful project application to the Erasmus+ program.

Additionally, the GLOBE Country Coordinator for Slovenia, Zoran Petrov, has been elected as a **member of the GLOBE Regional Board for Europe and Eurasia**.

4. Technology

GLOBE Slovenia continues using **online tools** (Zoom, MS Teams, Padlet etc.) for most of our coordination work, as this approach allows us to quickly connect different parties and lower our environmental footprint, so we will keep using it in the future.

We continued with procurement of **equipment for GLOBE Program implementation** and in November 2022 purchased numerous additional devices, which we will distribute to GLOBE schools in December.

5. Communications

Most activities of GLOBE Slovenia connected to communications were aimed at further presenting the GLOBE Program in Slovenia. Notable activities include:

- presenting the GLOBE program at the **yearly Ecoschool meeting**,
- presenting GLOBE at the **yearly training for all CŠOD teachers**,
- **meeting with the US Embassy in Ljubljana representatives** to present GLOBE activities in Slovenia,
- **developing a webpage** for CŠOD projects where we will be able to feature GLOBE and distribute GLOBE materials in Slovenian language,
- featuring the GLOBE Program at the upcoming **international conference "Forest and Climate Change"**, organized by CŠOD in November 2022 (will include a presentation of GLOBE European Phenology Campaign, a lecture on GLOBE and NASA observations of tree height from the ground and space, a workshop with the GLOBE Observer App, and an appearance by a NASA expert at the panel discussion on Forests and climate change),
- upcoming **lecture by NASA expert Brian Campbell** at the Center of Space Technologies Herman Potočnik Noordung (o Earth Science, Satellites, a Changing Climate and the Importance of Ground-based and space-based observations with NASA and the GLOBE Program),
- presenting the GLOBE Program at **several other meetings and conferences** in Slovenia,
- presenting the GLOBE Program through **webpages and social networks** of the country coordinator (CŠOD) and their partners (Ecoschool program, GLOBE schools).

Plans and Ideas for Next Year:

In 2023, our plans are:

- to successfully **implement and improve GLOBE activities** in existing and new Slovenian GLOBE schools, as this will be the second school year in which the GLOBE program is carried out with students in Slovenia,
- to **motivate more teachers** to become GLOBE teachers and further **increase the number of GLOBE schools** in Slovenia,
- to carry out **several training events**, both live and online, for Slovenian GLOBE teachers,
- to enable Slovenian GLOBE teachers to attend **trainings and other GLOBE events in other countries**,
- to establish **further cross-border cooperation** between schools in Slovenia and schools in neighboring countries (Croatia, Italy),
- to **support schools that wish to connect** with other schools in the wider GLOBE community,
- to start building **connections with scientists in Slovenia** in connection to GLOBE,
- to **continue translating** GLOBE protocols and other GLOBE materials into Slovenian,
- to **acquire more equipment** for GLOBE schools in Slovenia,
- to **actively contribute** to the further development of the GLOBE international Community,
- and to **further promote** the GLOBE program in Slovenia.