

Let's study signs of climate change!

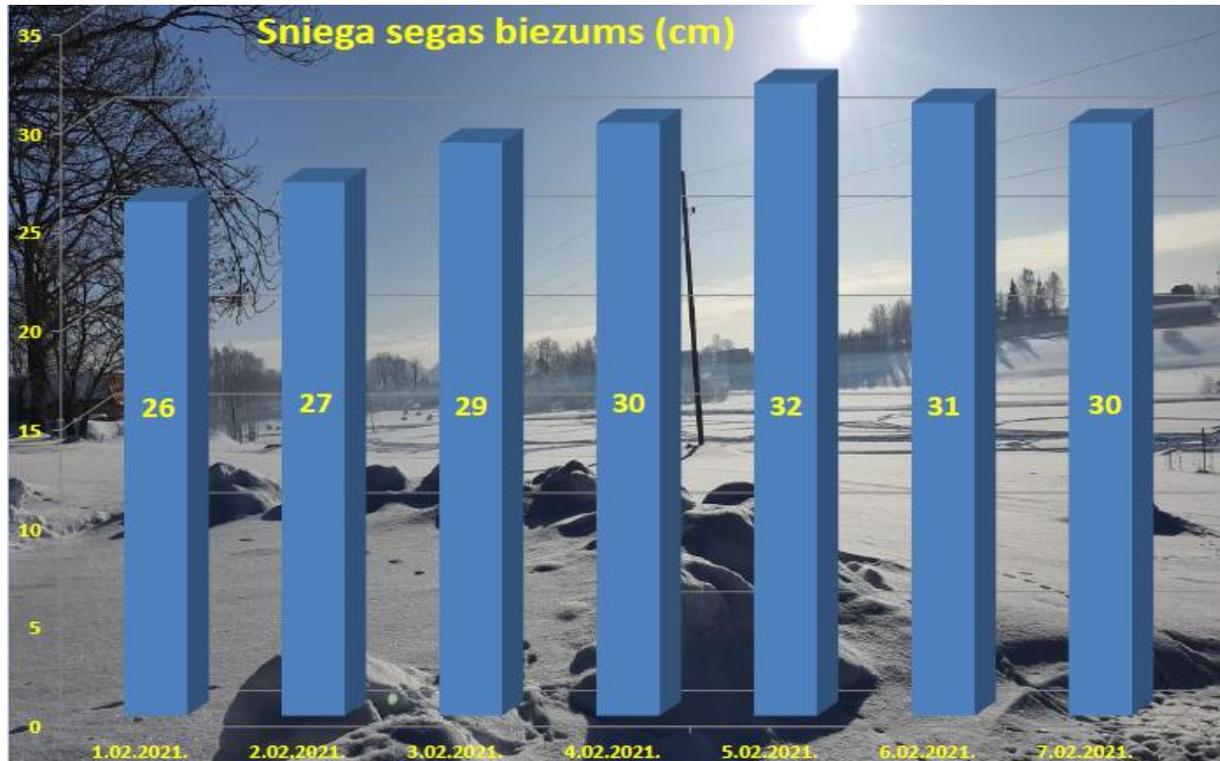


Image: Environment Online ENO archives

Target group: Recommended for grades 5–9 (10-15 years old)

This workshop, co-developed by the e2a project and Environment Online ENO, invites students to observe signs of climate change. Observations can be made through various physical phenomena in the school surroundings, a nearby forest, or on a special field trip to, for example, a nature reserve or national park. Signs of climate change can also be observed through weather observations and measurements. Is the weather unusual for this time of year, and is this visible in the environment -how?

Investigating Signs of Climate Change

The observation is mainly sensory-based, and you will need tools for taking notes and photos, as well as a digital device for capturing photos and videos (e.g. smartphone or tablet). If you combine this with weather observations and measurements, you will need measuring tools -either physical or digital (more details on weather observation and ENO's Weather Week below). Observations can be made under the teacher's guidance or, for example, in small groups or in pairs.

Before the lesson, it is helpful to introduce students to the topic and discuss what they already know. After that, review the kinds of observations they can make. Students are encouraged to creatively document the subject.

Sharing Results

Results should be shared in a platform. You may use e.g. the Instagram group "Forest in a Changing Climate" (in Finnish: Metsät muuttuvassa ilmastossa):

https://www.instagram.com/e2a_schools

Attach the following info to each Instagram photo and/or video post:

- Precise location of the photo
- Coordinates and date
- School name, class, and photographer(s) — if names are allowed to be public
- A short description of what sign of climate change is shown in the image
- Use hashtag **#eco2adapt**

EXAMPLE POST:



Date: 14.2.2025

Location: Ilomantsi, Hattuvaara, North-Karelia, Finland

Coordinates: 62.93645305792408, 31.293491791125327

Photographers: Ilomantsi school, Mary Smith and Jonathan Hutsfeld, class 8A

Aihe: The image shows a bark beetle larva, which can cause significant damage in forests. Bark beetle larvae are becoming more common as the climate warms.

Hashtag: # [eco2adapt](#)

How?

1. Make weather measurements. Fill the **weather data form** (or make your own). It is advised to make the measurement each day around midday.
2. Create presentations of your results, which may include:
 - Graphs of the results (using digital tools like Google Sheets or hand-drawn)
 - Photos/videos of the current weather
 - Written reports or essays related to weather or possible signs of climate change
 - You can find many good examples for example in the [ENO Weather week - page](#)
3. Prepare the tools you will need:
 - Smartphone/device
 - Note-taking tools
 - Photography equipment
 - Thermometers, barometers, rain gauges, etc.

Sharing Results

Share result with other Living Lab schools.

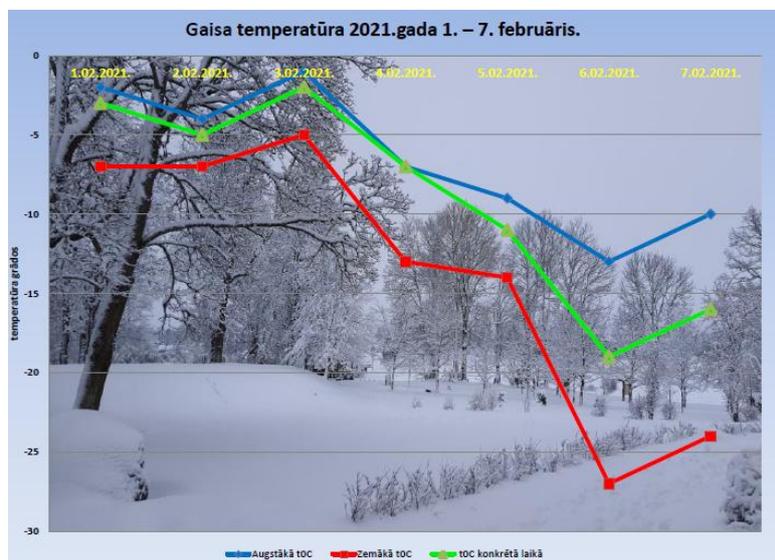


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