European Phenology Campaign

spring 2021

Gymnázium (grammar school) Česká Třebová
The Czech Republic
Our team
Česká Třebová
Gymnázium - Grammar School Česká Třebová

- Established 1.9.1909
- Around 350 students

- We joined the GLOBE program in 1997
- Our school held international GLOBE games in 2005.
We are allowed to participate in European Phenology Campaign.

All students of our class observe trees but only 13 of them joined in EPC and they observed the following trees:

- 5 BIRCHES
- 1 HAZEL
- 5 SOUR Cherries
- 2 LIMES
Using EPC in education

- Each student of our class had to observe a branch with four leaves and its budburst and use it in Chemistry-Biology Practice lessons.
- We learned to edit the photos in IT lessons.
- We translated the texts in English lesson.
Use of Grow App and its problems

- We used it to document our trees - location, photos (animations) and shared it with our teacher.

- Problems:
  - Bad app optimization
  - Need to use cellular network
  - Things load way too slowly
Example of student‘s tree description

It is European hazelnut (Corylus Avellana). The bush has fallen leaves. It is currently in the flowering stage Although the shrub is blooming, the buds are dormant. The fruits of the plant are hazelnuts. It gradually wakes up from flowers through leaves to small nuts.

27.03.2021
Partner schools

- Anykščiai distr. Troškūnai Kazys Inčiūra Gymnasium

- Cherkasy secondary school N°30
Student's accounts, conversation and forum usage

- Thirteen students had students’ accounts.
- They sent data and joined the conversation.
### School: Gymnázium Česká Třebová
### Site: Small-leaved Lime Martin Prossa

#### Measurements

**Biosphere**

- **Green-Up**
- **Green-Up**

**Data Date Range:** 2021-03-25 to 2021-05-23

- **Plant:** Tilia / cordata
- **Species:** cordata
- **Year:** 2021
- **Genus:** Tilia

**Leaf States (first occurrences):**
- **Dormant:** 2021-03-25
- **Swelling:** 2021-05-12
- **Length Measurable:** 2021-05-20

**Greening Cycle:** 3
**Vegetation Type:** tree
**Number Of Leaves:** 3
**Number Of Same Plants:** 1

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<th>pupen 3</th>
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[Diagram of leaf length measurements over time]
Comparison of graphs from our and Troskunai school
Trees in GLOBE map
Thank you for your attention

And thanks to everyone for cooperation.