European Phenology

Campaign

2021 Spring Tree

Campaign

Elementary school Rugvica



Elementary school Rugvica, Croatia

We are a GLOBE group of the Elementary School Rugvica We joined the GLOBE program in 2017 and X have been actively participating in the program ever since

Rugvica is a small town, located 23 kilometers southeast of the center of the head city of Croatia, Zagreb and 4 km south of Dugo Selo

ZAGREBRUGVICA

OBSERVED:

2. BIRCH TREE 3.FIG TREE



Our activities

- we made observations twice a week on the same days
- In this campaign we cooperated with two schools: Ivano-Frankivsk City Environmental Station - Ukraine (with them we compared the lime tree, birch and cherry) and with the Medical School Ante Kuzmanić from Zadar -Croatia (with them we compared the fig)
- We regularly exchanged information on selected tree species via e-mail - in excell data table

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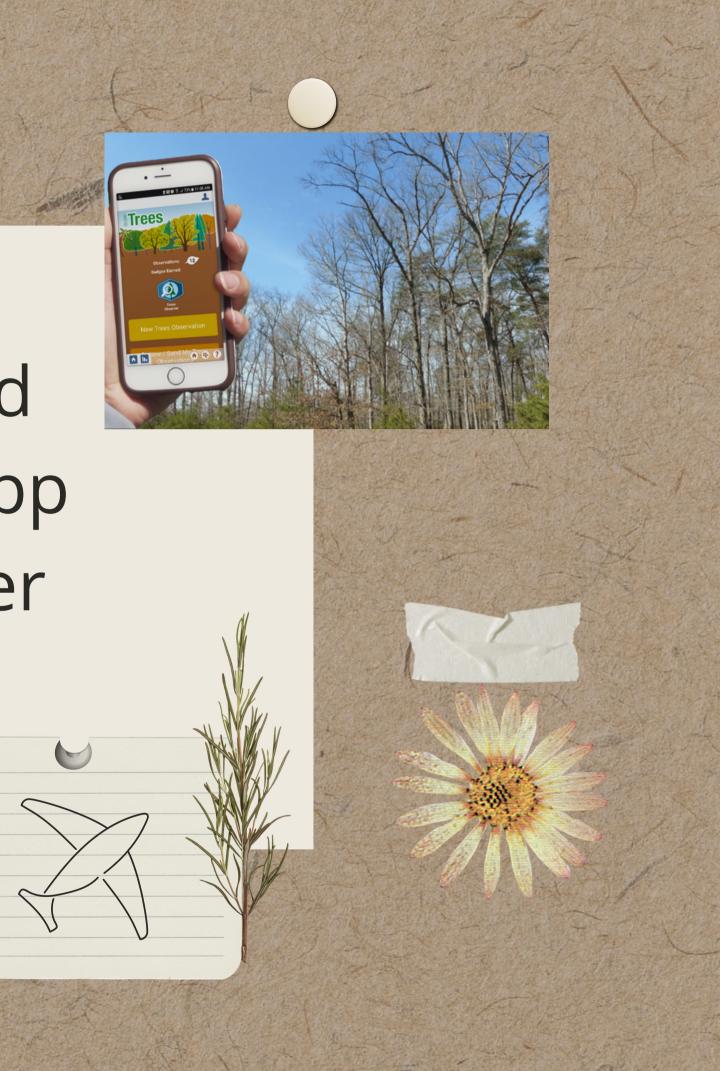


Project

- For this year's GLOBE school review we will do a project with Medical School Ante Kuzmanić from Zadar, Croatia
- We will compare data from the spring and autumn campaigns
- We have observed the fig at the same time and on the same days and will compare our data and come to certain conclusions

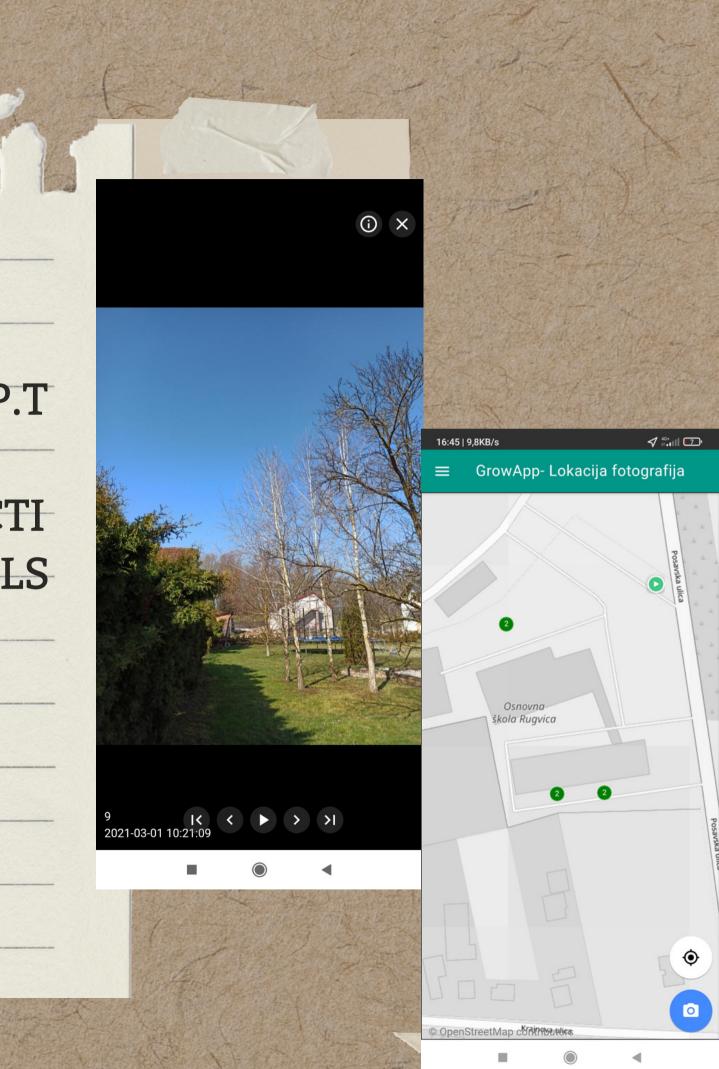
Applications

In our work we used applications: GrowApp and GLOBE Observer





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Students like to use the app to measure the height of trees

16:44 | 0.0KB/s Yes; Muddy: Yes; Dry Ground: No; Leave Yes; Raining/Snowing: No

Show on Map





Tree Photo

Date/Time (UTC): 10/13/2021 10:19:00

Data Source: GLOBE Observer App

Latitude/Longitude: 45.7512, 16.2313 (45° 45' 4.32", 16° 13' 52.68")

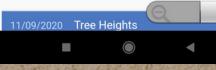
Organization: Osnovna škola Rugvica

Site Name: 33TWL957671

Height (m): 9.07

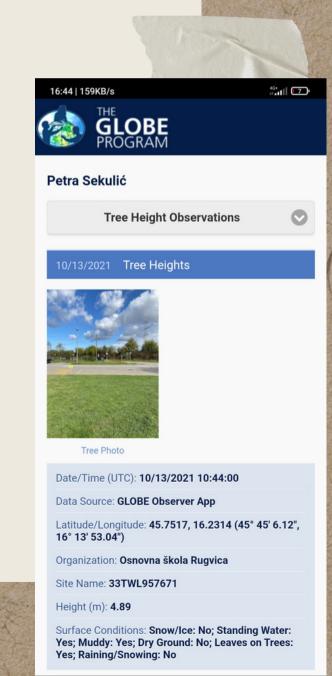
Surface Conditions: Snow/Ice: No; Standing Water: Yes; Muddy: Yes; Dry Ground: No; Leaves on Trees: Yes; Raining/Snowing: No

Show on Map











First Activity

Photographing a tree without leaves, We started our observation on 22.02. (16.2 degrees)







Activity 2 - Budburst

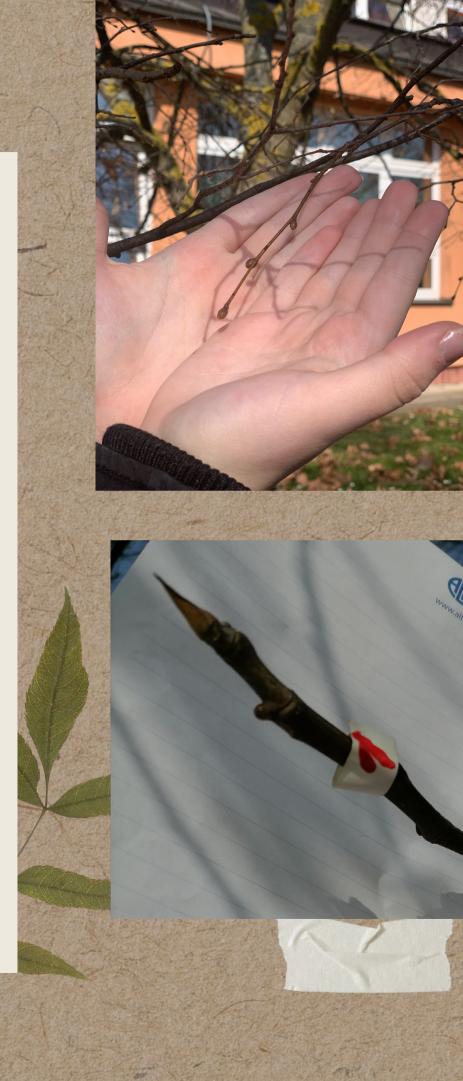


Dates of budburst: Birch tree - 29.03.

- Lime 1 31.03.
- Lime 2 31.03.
- Lime 3 31.03. still swelling,.
 - Cherry 15.03.
 - Fig tree 22.03.



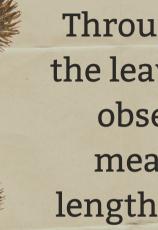










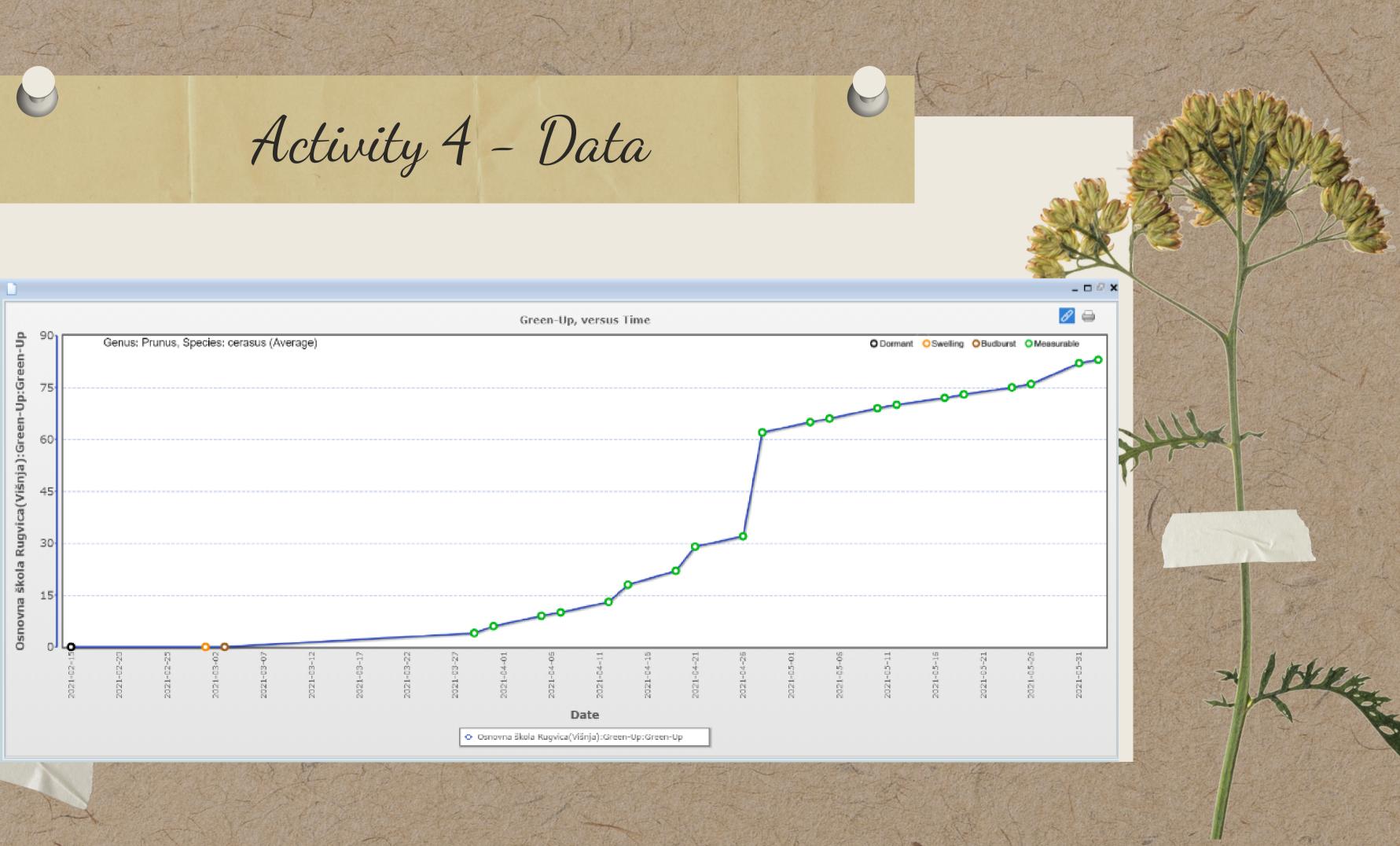


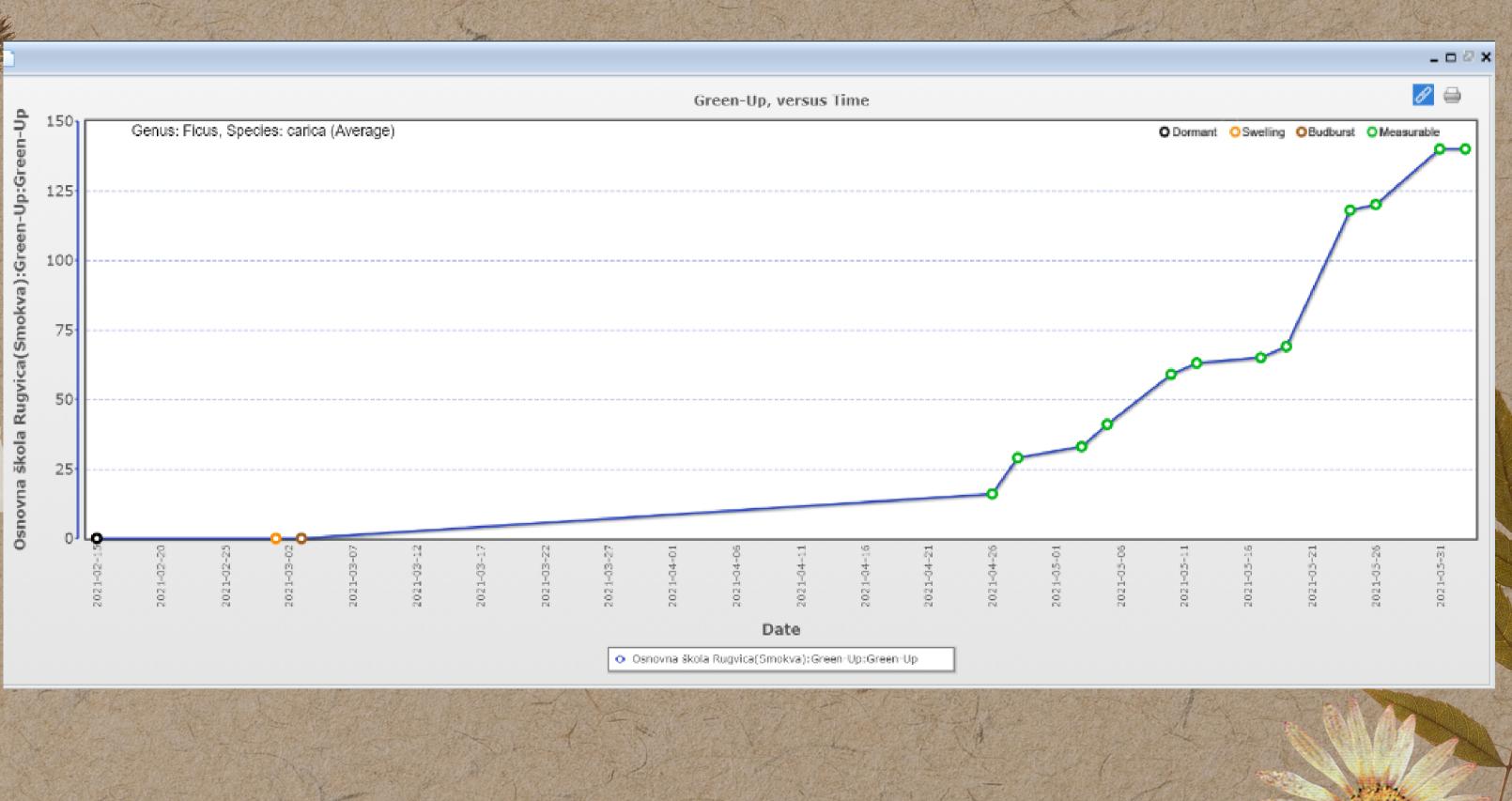


Through April, all the leaves grew, we observed and measured the length of each leaf









STUDENT EXPERIENCES





