



# How to upload data – Green Down (Autum Tree Observations)



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**Europe and Eurasia**  
**Region Coordination Office**



# Europe and Eurasia Region





# Aims of the Webinar

- Show examples of graphs from GLOBE visualization system
- Go through Data Entry, including setting a data site for Green Down
- Help with most common troubles with data entry
- Show the option of e-training Green Up/Down for teachers who are not trained yet





2019-10-09



## School: Ivano-Frankivsk City Environmental Station



Site: бєpeзa

Measurements

Data Counts

School Info

Site Info

Photos



Biosphere

Green-Down ▾

- ☒ Tree/Shrub Date of Last Leaf Lost
- ☐ Grass Date of Leaf Brown
- ☐ All Green-Down

Data Date Range: 2017-06-26 to 2019-10-09

Year: 2019

Date Of Last Leaf Lost: 2019-09-17

Greening Cycle Number: 1

Vegetation Type: tree

Genus: **Betula**

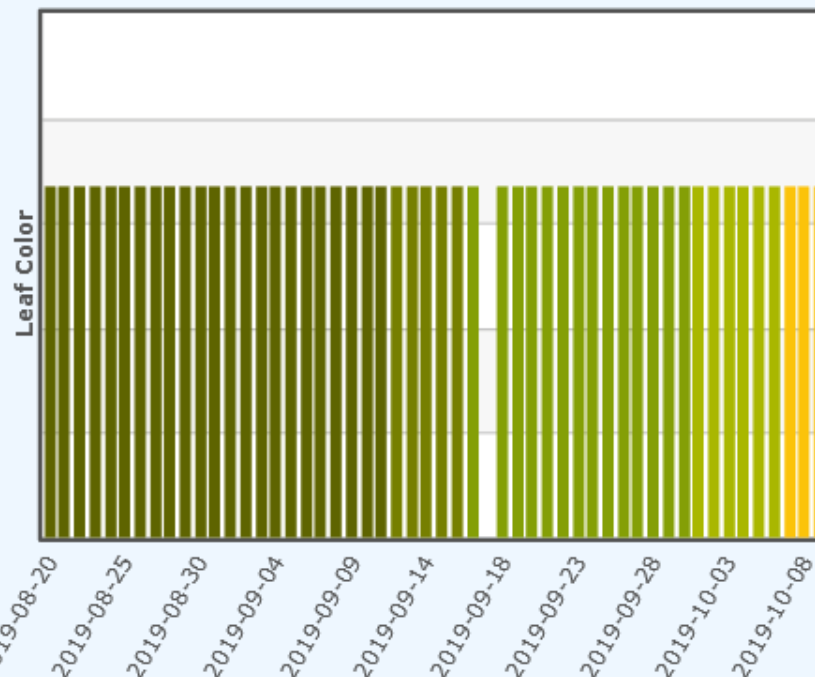
Species: **pendula**

Stage: **down**

Leaf State: **fallen**

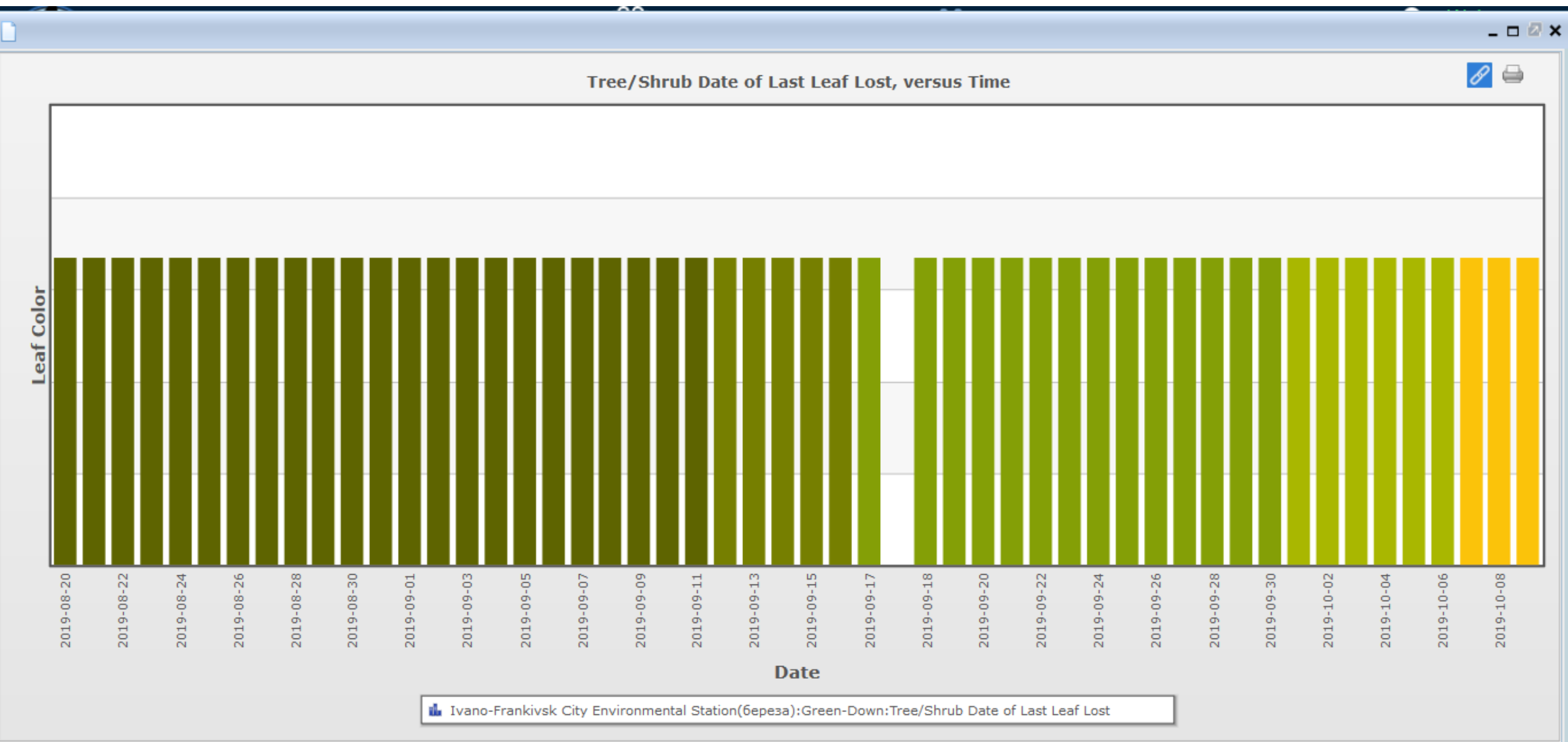
Number Of Same Plants: 1

Elevation: 260.00 m



Sites on Map: 0

500 km



# How to get fast to GLOBE visualization tool

**Go to You School Page:** You again go to globe.gov (sign in needed), then in **Go to** click on your **school**. This will bring you to your school page, then scroll down to see either your **School Data Sites** or even more down your **Most Recent Measurements**:

## SCHOOL DATA SITES

☒ Include citizen science sites

▲ Site Name	Investigation Area	# Observations	Created	Last Used
35ULQ309213	Atmosphere, Biosphere	11	08/02/2019	09/02/2019
35ULQ310200	Biosphere	3	09/01/2019	09/01/2019

## MOST RECENT MEASUREMENTS

☒ Include citizen science sites

▲ Site Name	Protocol	Protocol Set	Date
Phenology 2018	Greening	Green Up/Green Down	04/19/2018



# How to get fast to GLOBE visualization tool

Go to Campaign Page and select *Our Measurements*

<https://www.globe.gov/web/european-phenology-campaign/overview/our-measurements>

## European Phenology Campaign

Spring 2019

Download Materials

Video Contest

Get Inspired

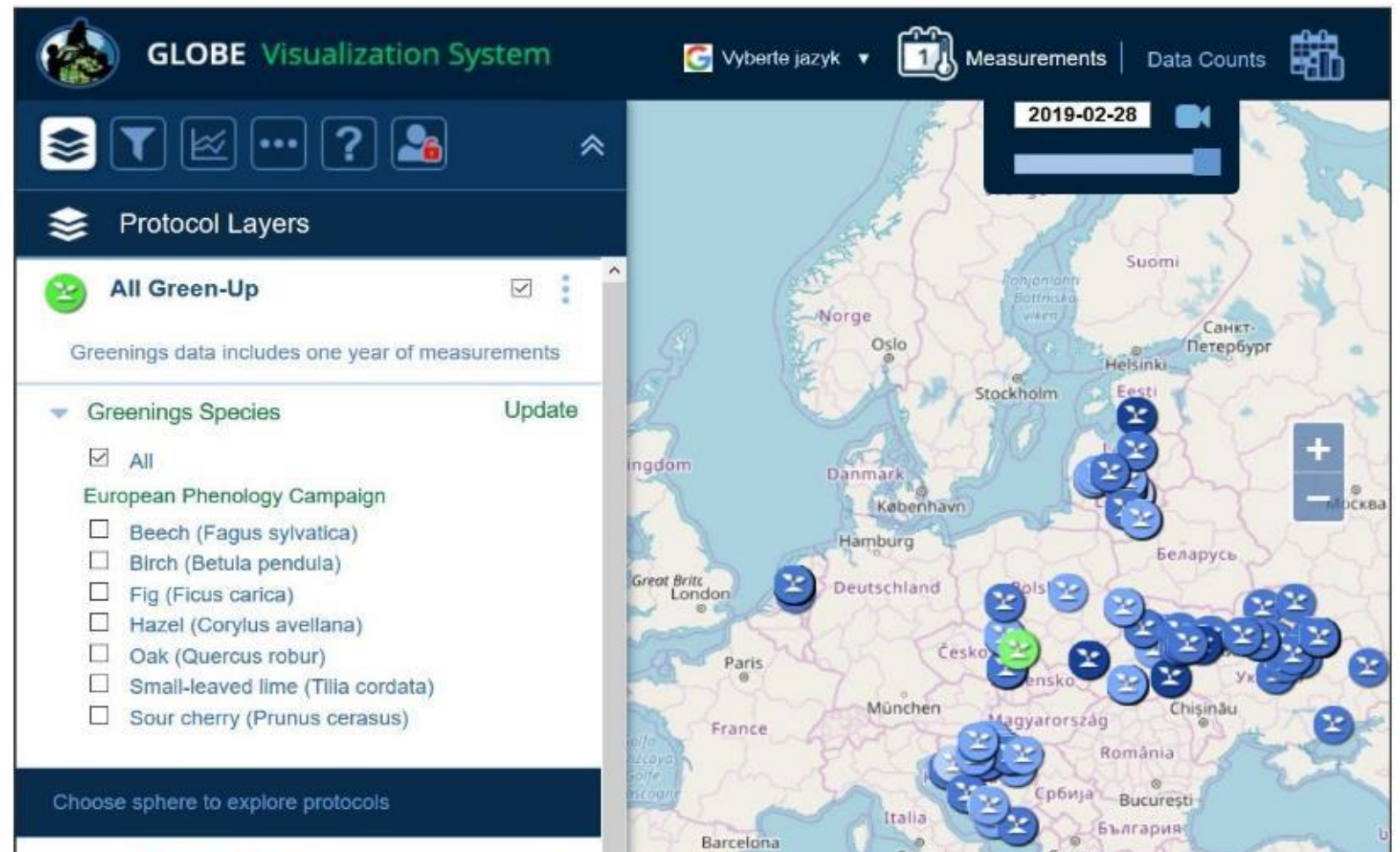
Community

News and discussion

**Our Measurements**

GrowApp

Contacts





## Protocol Layers



### All Green-Down

Greenings data includes one year of meas

#### Greenings Species

☒ All

#### European Phenology Campaign

- ☐ Oak (Quercus robur)
- ☐ Beech (Fagus sylvatica)
- ☐ Birch (Betula pendula)
- ☐ Hazel (Corylus avellana)
- ☐ Small-leaved lime (Tilia cordata)
- ☐ Sour cherry (Prunus cerasus)

Choose sphere to explore protocols

#### Atmosphere

**School:** Complex of Schools (Comprehensive School Technical School) in Nysa

**Site:** buk pospolity:GRN-07

Next Site

5/6

Measurements

Data Counts

School Info

Site Info

Photos

☒ Tree/Shrub Date of Last Leaf Lost

☐ Grass Date of Leaf Brown

Data Date Range: 2014-09-21 to 2017-11-17

Species: 1

Year: 2017

Date Of Last Leaf Lost: 2017-10-21

Greening Cycle Number: 1

Vegetation Type: tree

Leaf Color List: 2.5Y:8/12 2.5Y:8/12 2.5Y:6/6 2.5Y:6/6

Number Of Leaves: 4

Mosquito Genera: Fagus

Species: sylvatica

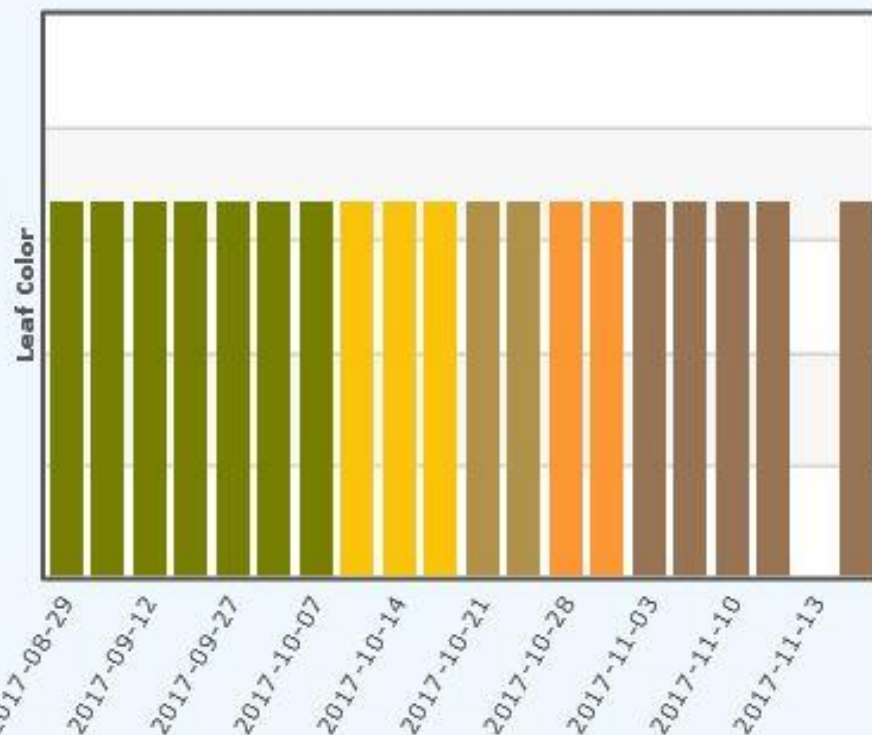
Stage: down

Leaf State: color change

Predominate Leaf Color: 2.5Y:6/6

Number Of Same Plants: 1

Elevation: 193.00 m



1 Year

Custom



# What you can do in Visualization Tool:

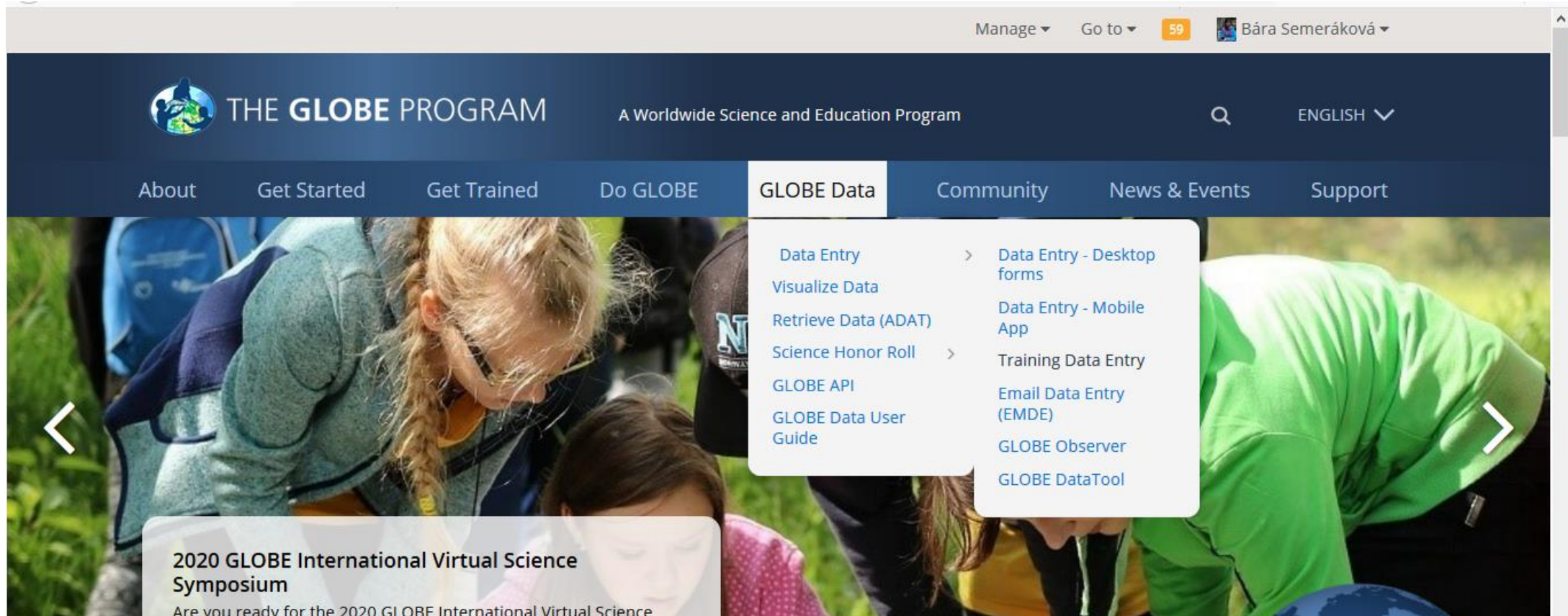
- Filter data according to tree species
- Select a school and see their data in graph or spreadsheet (table)
- You can download or print the graph
- You can download or print the spreadsheet and then analyze, sort or filter the data in Excel or similar software

Learn how to do that – see GLOBE video guide:

<https://www.globe.gov/get-trained/using-the-globe-website/retrieve-and-visualize-your-data>

# Training Data Entry

- To **practice** data entry always go to:  
GLOBE Data / Data Entry / **Training Data Entry**



The screenshot shows the GLOBE Program website. The header includes the GLOBE logo, the text "THE GLOBE PROGRAM", and the tagline "A Worldwide Science and Education Program". The navigation menu has links for About, Get Started, Get Trained, Do GLOBE, GLOBE Data, Community, News & Events, and Support. The GLOBE Data dropdown menu is open, showing options for Data Entry, Visualize Data, Retrieve Data (ADAT), Science Honor Roll, GLOBE API, GLOBE Data User Guide, Data Entry - Desktop forms, Data Entry - Mobile App, Training Data Entry, Email Data Entry (EMDE), GLOBE Observer, and GLOBE DataTool. The background image shows children in outdoor gear looking at a globe.

Manage ▾ Go to ▾ 59 Bára Semeráková ▾

THE GLOBE PROGRAM A Worldwide Science and Education Program

Search ENGLISH ▾

About Get Started Get Trained Do GLOBE GLOBE Data Community News & Events Support

Data Entry > Data Entry - Desktop forms  
Visualize Data  
Retrieve Data (ADAT) Data Entry - Mobile App  
Science Honor Roll > Training Data Entry  
GLOBE API  
GLOBE Data User Guide  
Email Data Entry (EMDE)  
GLOBE Observer  
GLOBE DataTool

2020 GLOBE International Virtual Science Symposium  
Are you ready for the 2020 GLOBE International Virtual Science



# Real Data Entry

- To enter **real** data always go to:


**Data Entry** from the homepage or from **GO TO** arrow.



The screenshot shows the homepage of The GLOBE Program. The header includes the logo, the text "THE GLOBE PROGRAM", and the tagline "A Worldwide Science and Education Program". Below the header is a navigation bar with links: "About", "Get Started", "Get Trained", "Do GLOBE", "GLOBE Data", and "Community". A "Go to" dropdown menu is open, showing options: "Enter Data" (highlighted in blue), "Visualize Data", "My Organizations" (with a sub-menu for "Europe and Eurasia (primary)", "Czech Republic Trainers", and "TEREZA Educational Center") and "My Communities" (with a sub-menu for "Air Quality Campaign", "Air Quality Campaign", "Community Feedback Forum", "European Phenology Campaign", and "GLOBE 2016 Annual Meeting"). The background of the page features a hand holding a smartphone displaying the "Trees" app interface, which includes a "GLOBE" logo, a "Trees" title, and a "0" in a leaf icon.

This will take you to the list of your data sites (if you do not see any sites, click on the + next to the **name of your school**, the sites will unfold down).

As you can see, at my organization (=school), I have already a site called **Phenology 2018**. This is a site where I have 2 trees.

 THE GLOBE PROGRAM **SCIENCE Data Entry**

English

Welcome Bára Semeráková

## My Bookmarks

*You have not bookmarked any investigations yet. Expand the organizations and click the stars next to the investigations to create a bookmark.*

## My Organizations and Sites

- TEREZA Educational Center

Add site

- Phenology 2018

Latitude 50.056891, Longitude 14.360912, Elevation 352.4m

Edit site | Delete site

Greening

Green Up/Green Down ★

New observation Past observations

+ Vltava - Dvorakovo nabrezi

Edit site | Delete site



# Why and how to create a Study Site

- If you never uploaded data for your tree in past, you first need to **create a new site**.
- It is not difficult!
- You just need to add the coordinates (GPS) – this can be easily done on the map
- After that you add the trees you observe.
- Study site is important, otherwise how would you see on the map where the trees are?



## My Bookmarks



You have not bookmarked any investigations yet. Expand the organizations and click the stars next to the investigations to create a bookmark.

## My Organizations and Sites



### - [TEREZA Educational Center](#)

[Add site](#)

#### - [Phenology 2018](#)

Latitude 50.056891, Longitude 14.360912, Elevation 352.4m

[Edit site](#) | [Delete site](#)

#### Greening

Green Up/Green Down ★

[New observation](#)[Past observations](#)

#### + [Vltava - Dvorakovo nabrezi](#)

Latitude 50.09319, Longitude 14.4213, Elevation 200m

[Edit site](#) | [Delete site](#)

#### + [test](#)

[Edit site](#) | [Delete site](#)



Fill in the **Site Name** and the **Coordinates**. The easy way is to use the map: zoom in and scroll until you find the site where your tree grows. Then move the red dot to that place, you already see that the coordinates got filled automatically.

Elevation will be filled automatically as well if you click on **Set elevation**.

[Data Entry Home](#) / [TEREZA Educational Center](#) /

## Site Definition



### Add site type

#### Atmosphere

- ☐ Atmosphere
- ☐ Surface Temperature

#### Hydrosphere

- ☐ Hydrology

#### Biosphere

- ☐ Land Cover
- ☒ Greening
- ☐ Phenological Gardens
- ☐ Lilacs
- ☐ Carbon Cycle

#### Pedosphere

- ☐ Frost Tube
- ☐ Soil Characterization
- ☐ Soil Moisture and Temperature

### Photos →

Site Name \*

\* indicates a field is required

Coordinates

Latitude \*

50.303376

°

☒ North ☐ South

Longitude \*

15.292969

°

☒ East ☐ West

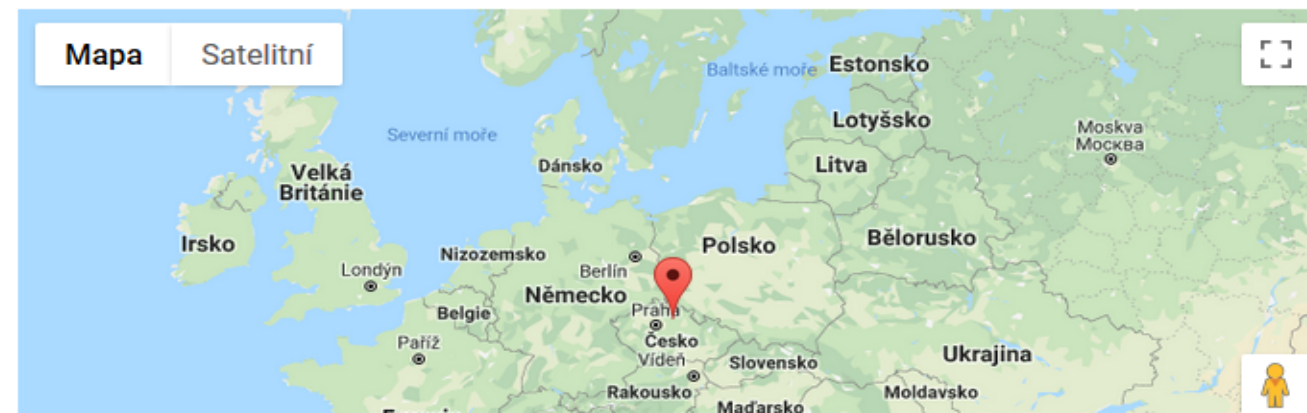
Elevation \*

m

[Set elevation](#)

Source of Coordinates Data \*

☐ GPS ☒ Other



Then you have to choose from the menu on the left **Biosphere – Greening**, which means that this site can be used for recording data on Green Up and Green Down protocol. This will pop up:

The screenshot shows a web form titled 'Data Entry Home / TEREZA Educational Center /'. The main heading is 'Add site type' with a sub-heading 'Greening' and a 'Remove' button. On the left, there are three categories: 'Atmosphere' (Atmosphere, Surface Temperature), 'Hydrosphere' (Hydrology), and 'Biosphere' (Land Cover, **Greening**, Phenological Gardens, Lilacs). Below these are 'Pedosphere' (Frost Tube, Soil Characterization, Soil Moisture and Temperature) and 'Photos' with a right arrow. The 'Plants' section includes a checkbox for 'There are multiple dominant species', a checkbox for 'This plant is in the understory', and a 'Remove' button. It also has three dropdown menus: 'Vegetation Type' (Tree), 'Genus' (Tilia), and 'Species' (cordata). A 'Label' field contains 'School Tree 1'. A green 'Add plant' button is at the bottom of the plants section. At the very bottom, a blue 'Create Site' button and a red 'Reset' button are visible.

Fill in the **Vegetation Type** (tree), **Genus** (write in latin), **Species** (choose name in latin). Then **label** your tree according to how you call your tree. If you observe more than one tree at the same site, then click on green button **Add Plant** and do the same for your second tree. After you finish this, click on blue button **Create Site**.





Site created successfully.



# Site Definition



## Add site type

### Atmosphere

- ☐ Atmosphere  
☐ Surface Temperature

### Hydrosphere

- ☐ Hydrology

Site Name \*

\* indicates a field is required



Site update failed with 3 error(s).



- Label can't be blank.
- Vegetation type can't be blank.
- Taxon genus and species must both be selected.

# Site Definition



## Add site type

### Atmosphere

- ☐ Atmosphere  
☐ Surface Temperature

### Hydrosphere

Site Name \*

\* indicates a field is required

Phenology 2018

Site ID 125791

Coordinates

# How to Enter Data

- Once you are back in data entry, click on your phenology (Greening) site. Click on + if you can't see it.
- Two options will pop up: New observation or Past Observations. Click on **New Observation**.



English

Welcome Bára Semeráková

## My Bookmarks



*You have not bookmarked any investigations yet. Expand the organizations and click the stars next to the investigations to create a bookmark.*

## My Organizations and Sites



- [TEREZA Educational Center](#)

 [Add site](#)

- Phenology 2018

Latitude 50.056891, Longitude 14.260912, Elevation 352.4m

 Edit site |  Delete site

## Greening

~~Green Up/Green Down~~ ★

New observation      Past observations

- Select a date (format is year – month – day )

## Green Up/Green Down *Creating*

Measured on date


YYYY-MM-D 

- Next, the form will expand:  
You will see all your trees listed down.  
For each tree you have 4 leaves.

- First select Green Down
- Growing Season Cycle – this depends on how many vegetation cycles are in your country. For most of the European countries we have only one cycle, so you select 1.

## Green Up/Green Down *Creating*

Measured on date

2018-08-28 

What Green-Up/Green-Down Measurement Did You Take? \*

Green Down 

Growing season cycle

1 

### Plants

At least one leaf is required. \*

#### Buk1

Leaf	Leaf State
1	<input type="text"/> 
Leaf	Leaf State
2	<input type="text"/> 
Leaf	Leaf State
3	<input type="text"/> 
Leaf	Leaf State
4	<input type="text"/> 



- You see all your trees listed under Plants
- If you do not observe all the trees listed right now, it is ok. Just fill in the data for the trees that you observe this autumn.
- Select **Leaf State** from drop down menu for each leaf
- To record the color, select „*color change*“, then you can enter the code from the GLOBE color chart
- Once the leaf fell down, you select „*fallen*“

Confirm by click on the blue button [Send Data](#)

# Green Up/Green Down *Creating*

Measured on date

2018-08-28

What Green-Up/Green-Down Measurement Did You Take? \*

Green Down

Growing season

1

## Plants

At least one leaf is required. \*

### Buk1

Leaf	Leaf State
1	<div><div></div><div>Color Change</div><div>Fallen</div><div>Snow Covered</div></div>
Leaf	Leaf State
2	
Leaf	Leaf State
3	
Leaf	Leaf State
4	

# Congratulations!



Observation updated successfully. [Print this submission](#), [view observations](#) or [create a new one](#).



## Green Up/Green Down *Editing*



Measured on date

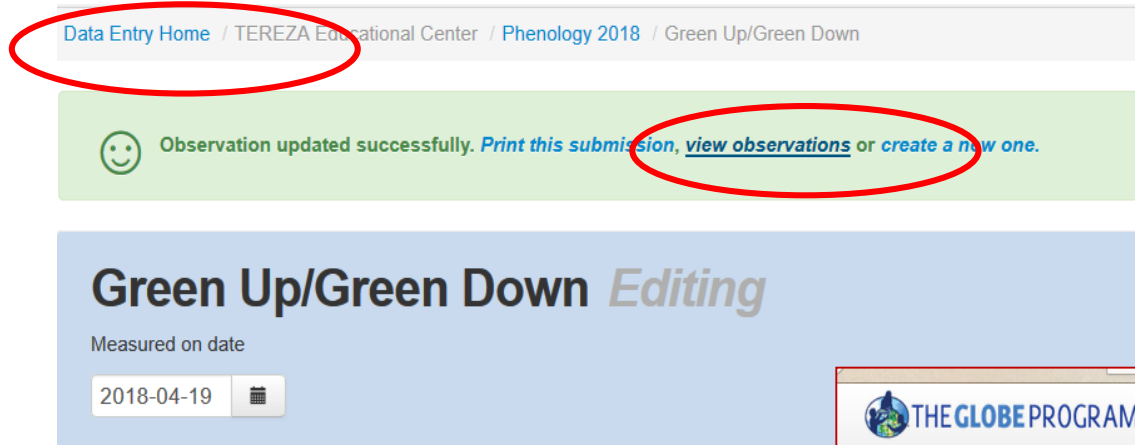
2018-04-19



Data were sent successfully, you can continue

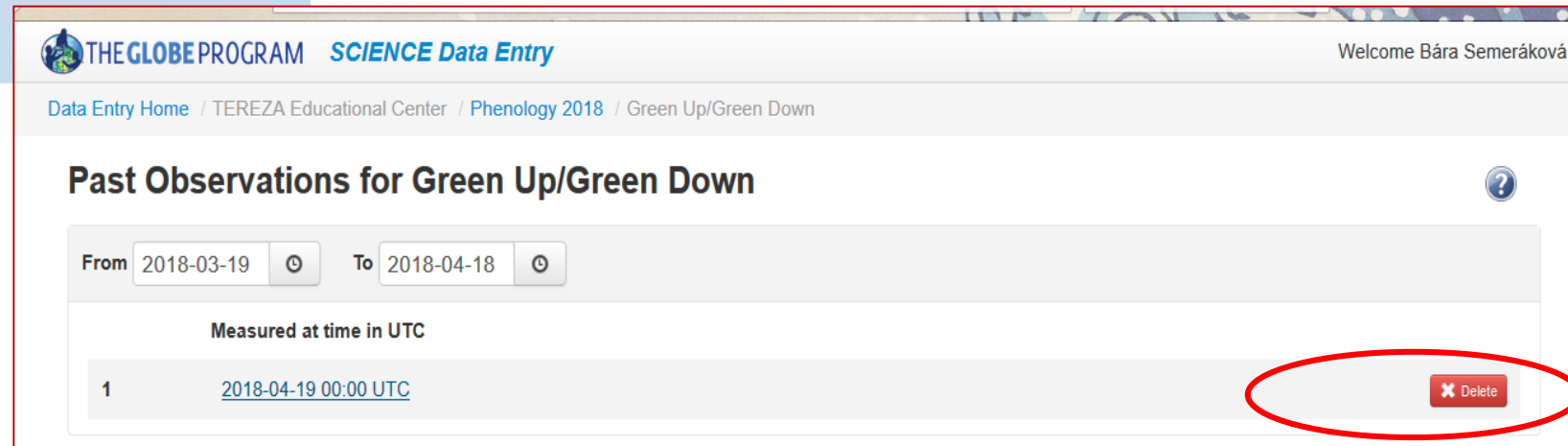
- to send data for another date
- to view your observation and edit if you want to change what you entered earlier
- to delete your past observations

# Look at your past observations



To see, edit or delete your observations, click on

- *View observations* or go to *Data Entry Home*
- If you are at the Homepage, again click on *Data Entry* (you need to be sign-in!)



In Data Entry Home, click on the Site and then select „*Past Observations*“

- You will see a list of dates for which you entered data
- If you click on any, you can correct it
- To delete any, click on red button „*Delete*“ on the right from the date



# GLOBE Videoguides will help you!

If you need more help on data entry in general, please watch the video guides here:

- <https://www.globe.gov/get-trained/using-the-globe-website/entering-measurement-data>
- <https://www.globe.gov/get-trained/using-the-globe-website/setting-up-your-data-site>

# I don't have permission to enter data

*A. If you know that you have been trained, please ask your Country Coordinator to check your account on globe.gov . It must be clicked there that you were „trained“!*

B. But mostly you cannot enter data, because you have never been officialy trained in Green Up/Green Down activities! What to do?

- You can attend a training, if there is one in your country (ask your coordinator)

- If there is no training soon, you can do online **e-training** on globe.gov here:

<https://www.globe.gov/get-trained/protocol-ettraining> (**The Green Up/Down e-training you can find under Biosphere**). You need to be sign-in. Simply download the module (ppt), learn through it and then go back to the website and do the **Assessment test** for the module.

If you never been trained in any GLOBE activities (protocols), you need to start with the module **Introduction to GLOBE**



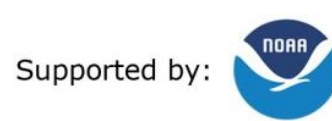
# Thank you!

**Contact:** [bara.semerakova@terezanet.cz](mailto:bara.semerakova@terezanet.cz)

<https://www.globe.gov/web/european-phenology-campaign/overview>



Photo Courtesy: GLOBE schools



Implemented by: UCAR

