GLOBE

2023./2024.

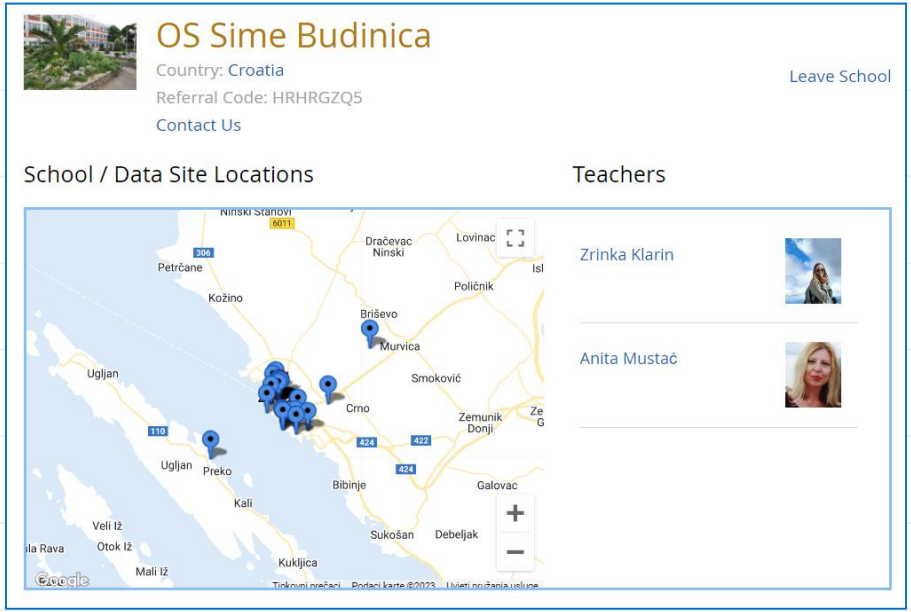
GLOBE aktivnosti u OŠ Šime Budinića Zadar

The Global Learning and Observations to Benefit the Environment

OŠ ŠIME BUDINIĆA ZADAR, 2024.

GLOBE program u OŠ Šime Budinića

Aktivno u GLOBE programu Osnovna škola Šime Budinića je od 2011. godine.



SCHOOL AT A GLANCE

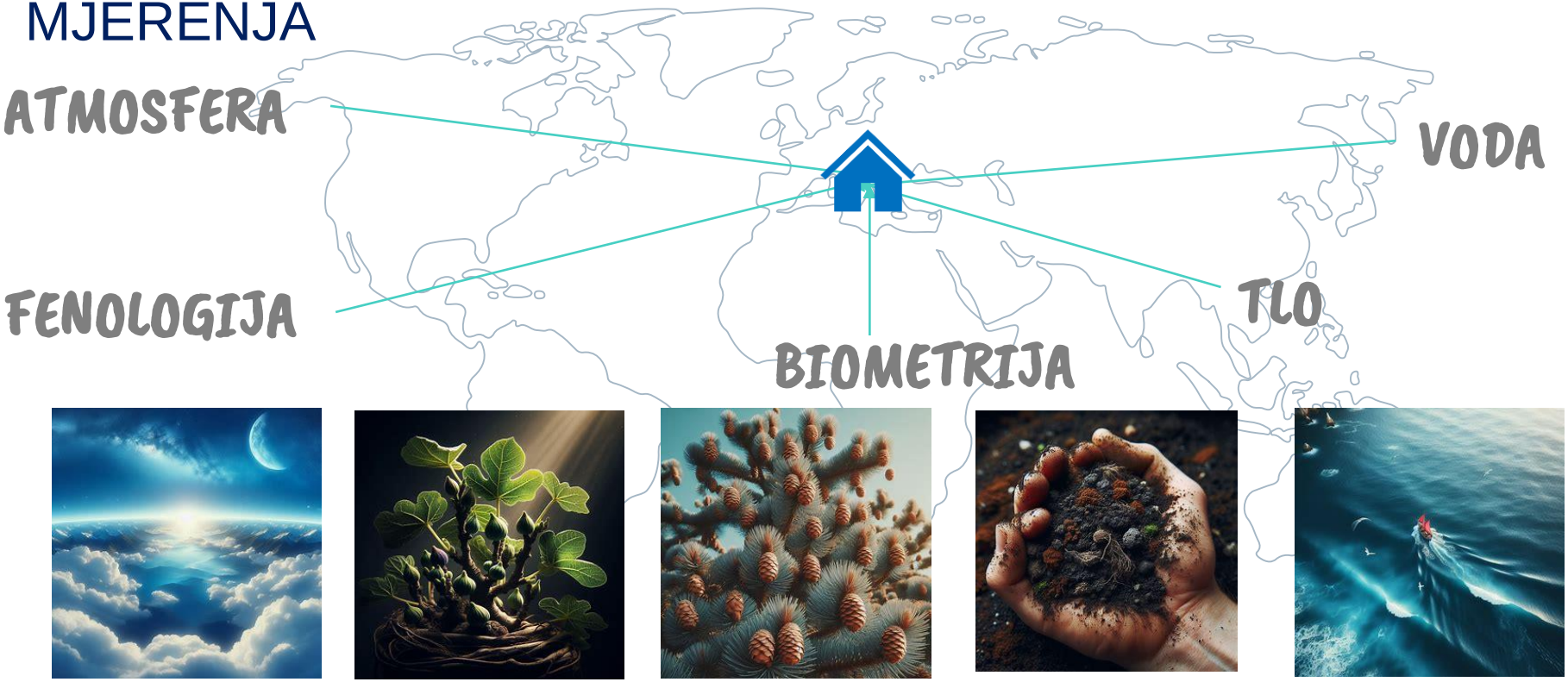
Participation

50	Students	877809	Data Entries
2	Teachers	1	School
0	Pre-service Teachers	132	Honor Rolls

24 SITE

OŠ ŠIME BUDINIĆA ZADAR

MJERENJIMA - VRSTE, KONTINUITET I DODATNA MJERENJA



ATMOSFERA

Osnovna mjerenja

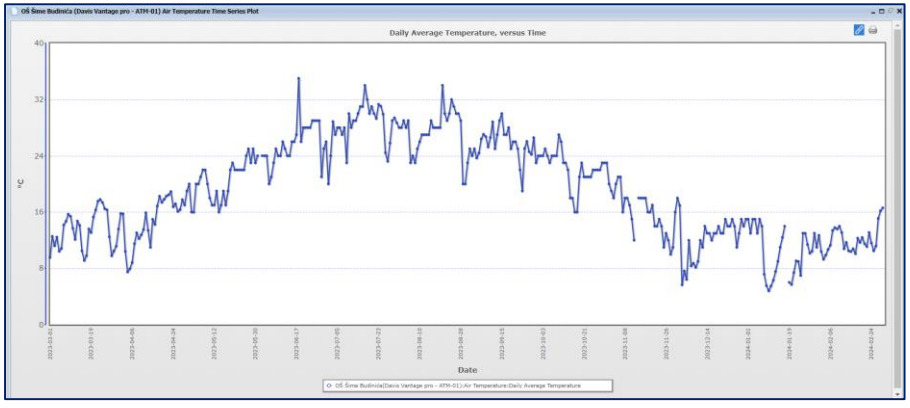
- oblaci
- temperatura
- padaline

Dodatna mjerenja

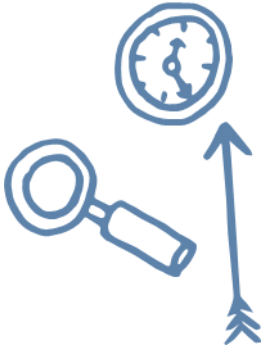
- tlak zraka
- vlažnost
- visina snijega

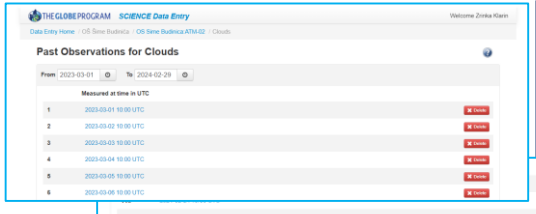
Davis Vantage pro: ATM - 1
OS Sime Budinica: ATM - 2

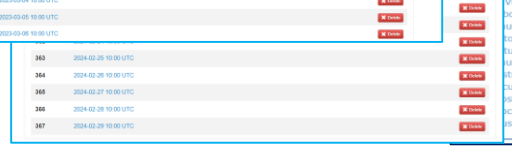
Temperatura zraka

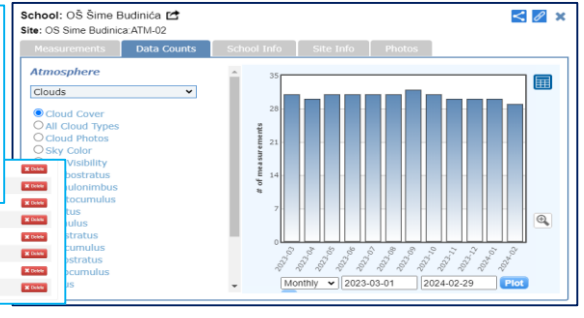


Oblaci

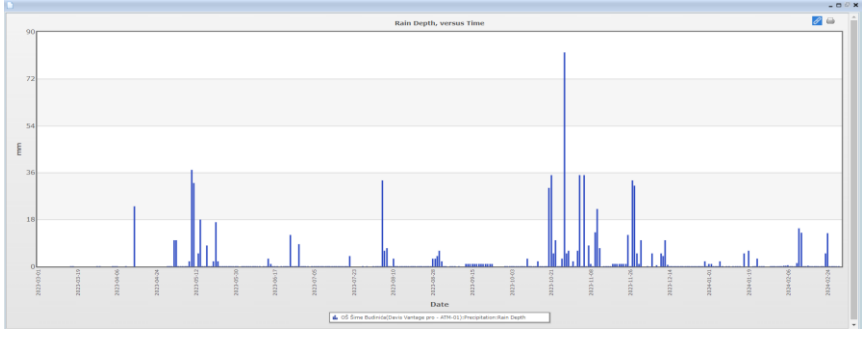








Oborine (kiša)

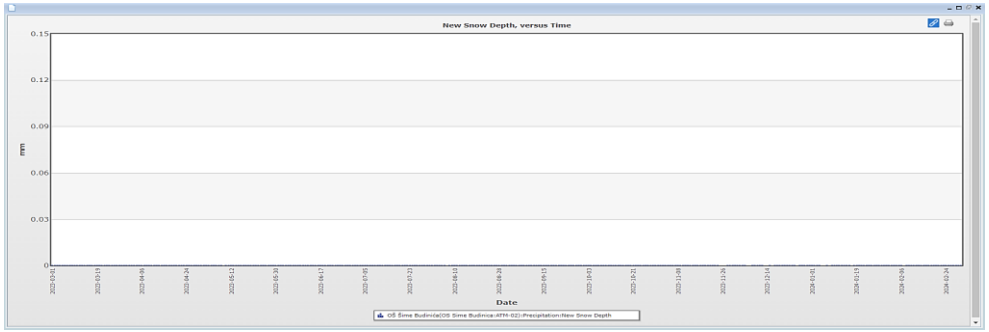


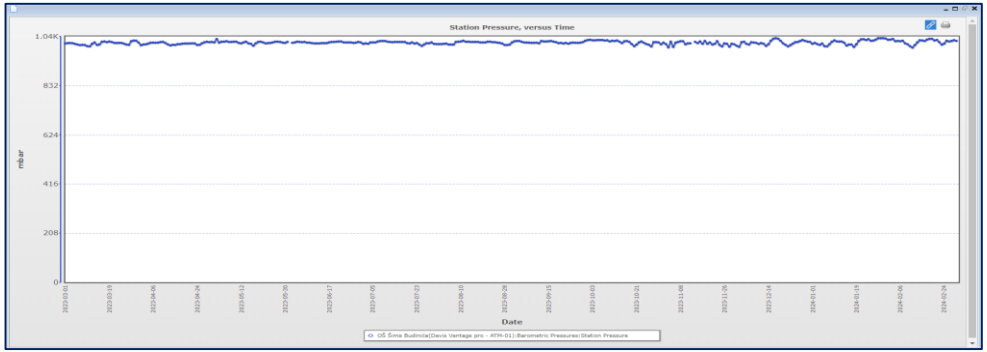
Davis Vantage pro: ATM - 1
OS Sime Budinica: ATM - 2

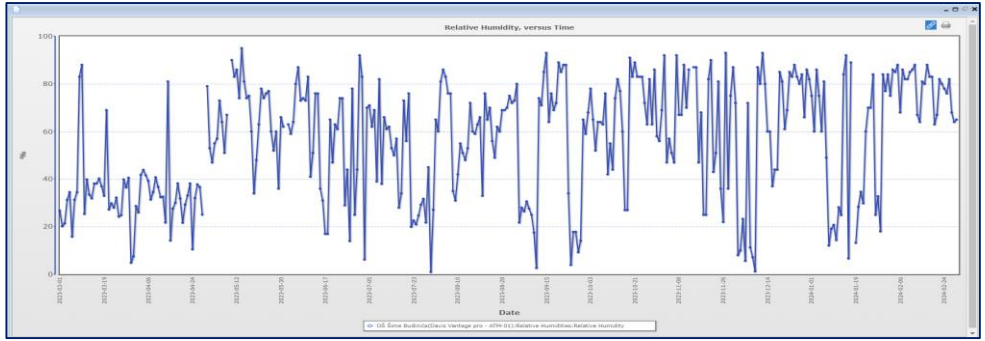
Oborine (snijeg)

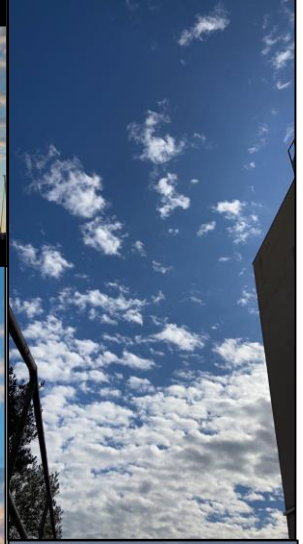
Tlak zraka

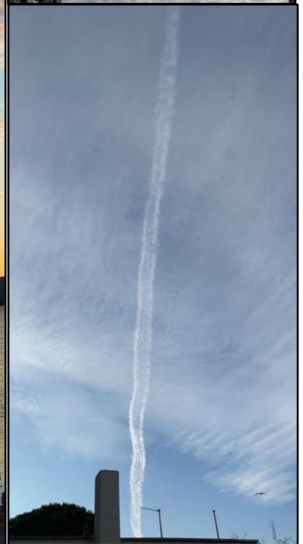
Vlažnost zraka












OSNOVNA ŠKOLA ŠIME BUDINIĆA

VODA

Osnovna mjerenja

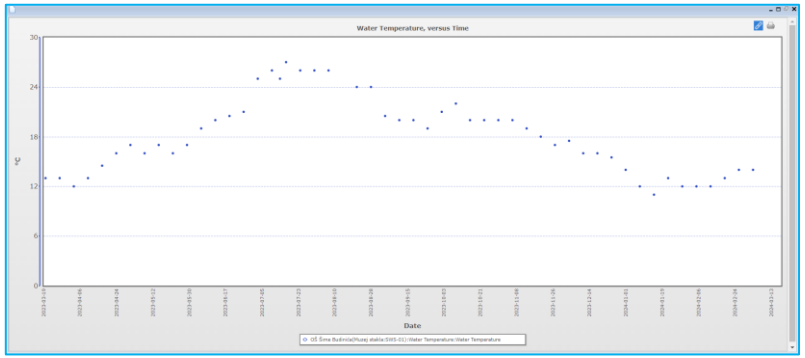
- Temperatura
- pH

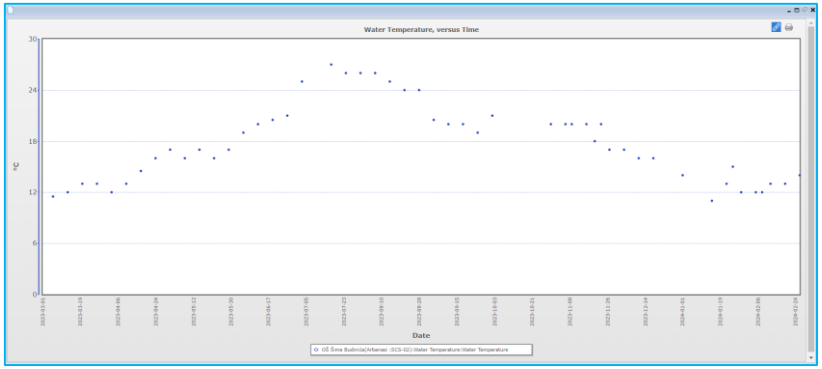
Dodatna mjerenja

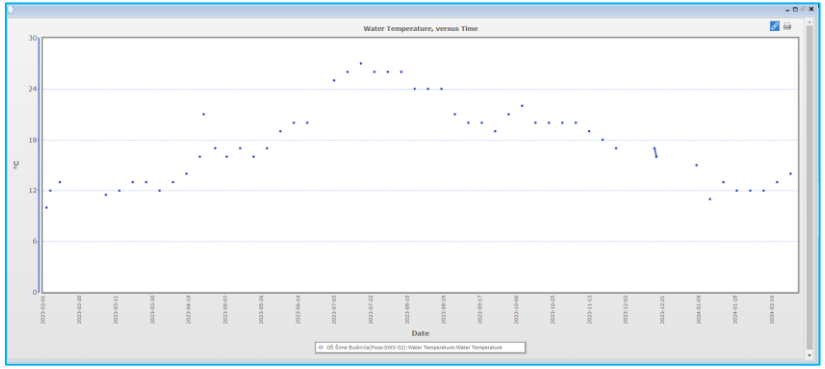
- Nitrati
- Nitriti
- Salinitet
- Prozirnost
- Kisik
- Alkaliteti

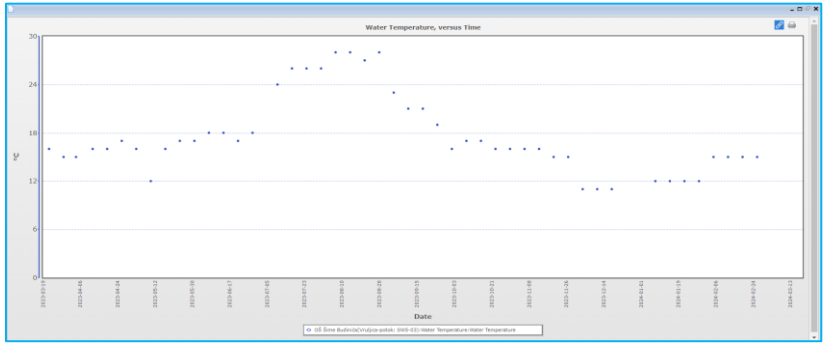
1.Temperatura vode

Muzej stakla: SWS-01, Arbanasi: SCS-02, Fosa: SWS-02, Vruljica - potok: SWS-03



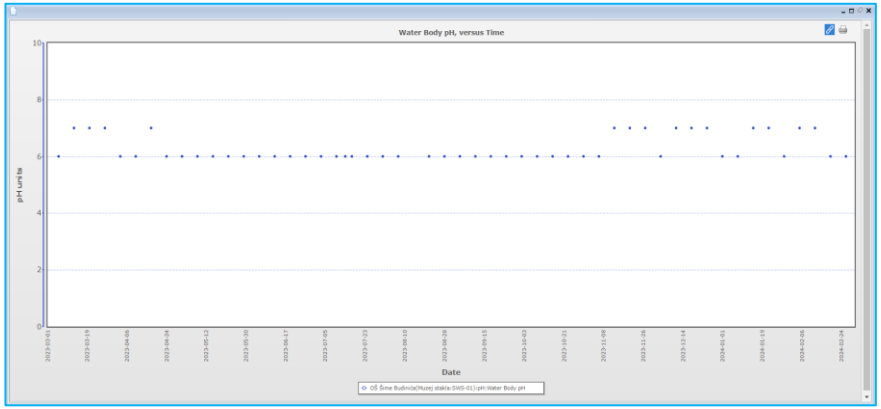


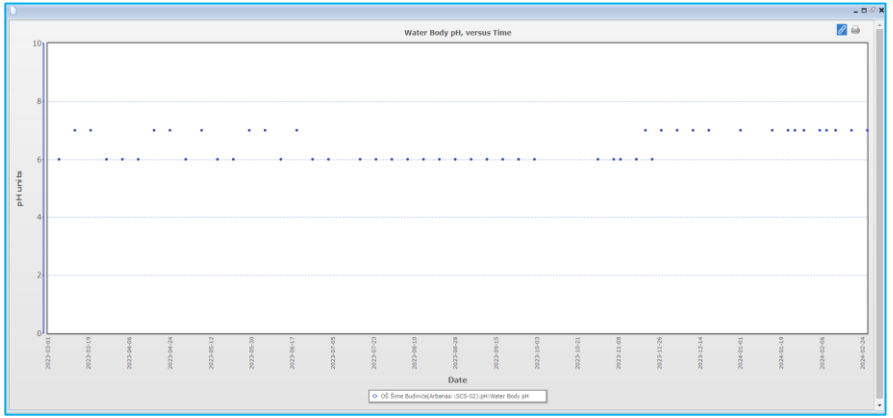


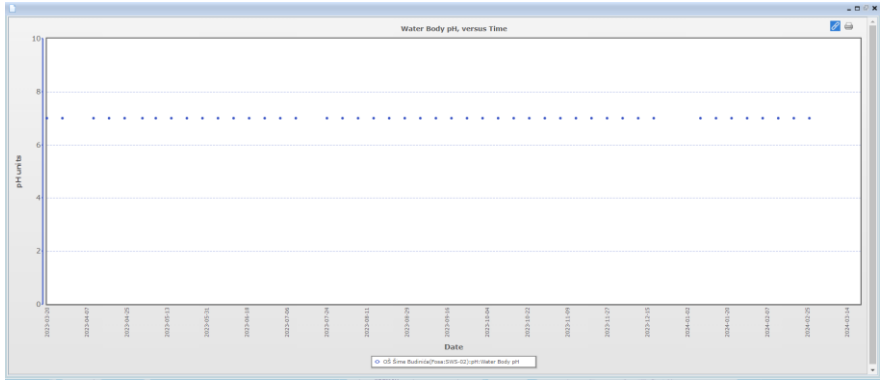


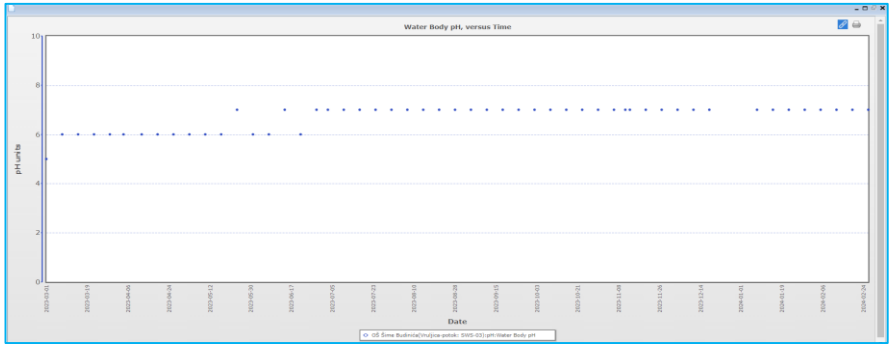
2. pH vode

Muzej stakla: SWS-01, Arbanasi: SCS-02, Fosa: SWS-02, Vruljica - potok: SWS-03



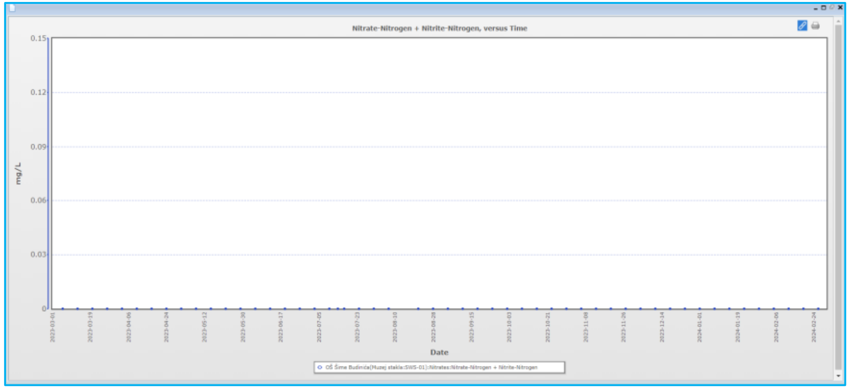


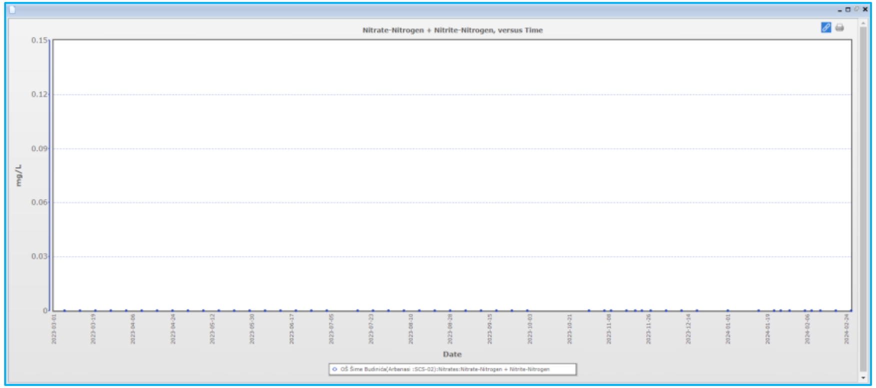


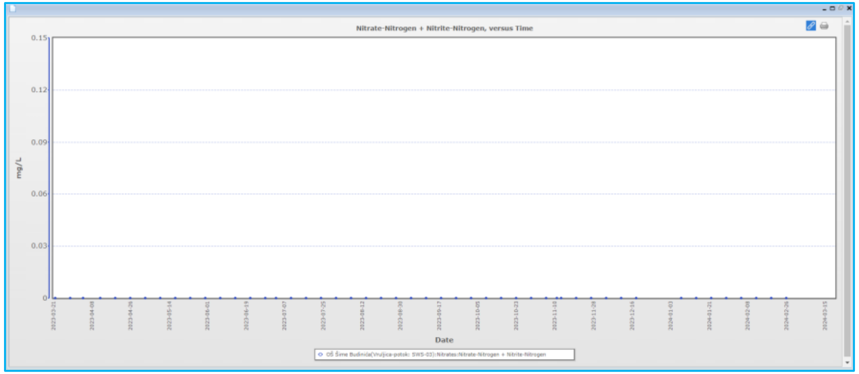


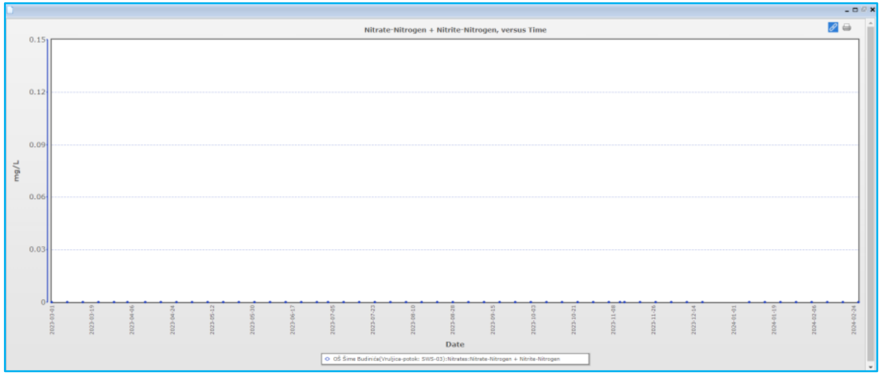
3. Nitrati - nitriti

Muzej stakla: SWS-01, Arbanasi: SCS-02, Fosa: SWS-02, Vruljica - potok: SWS-03



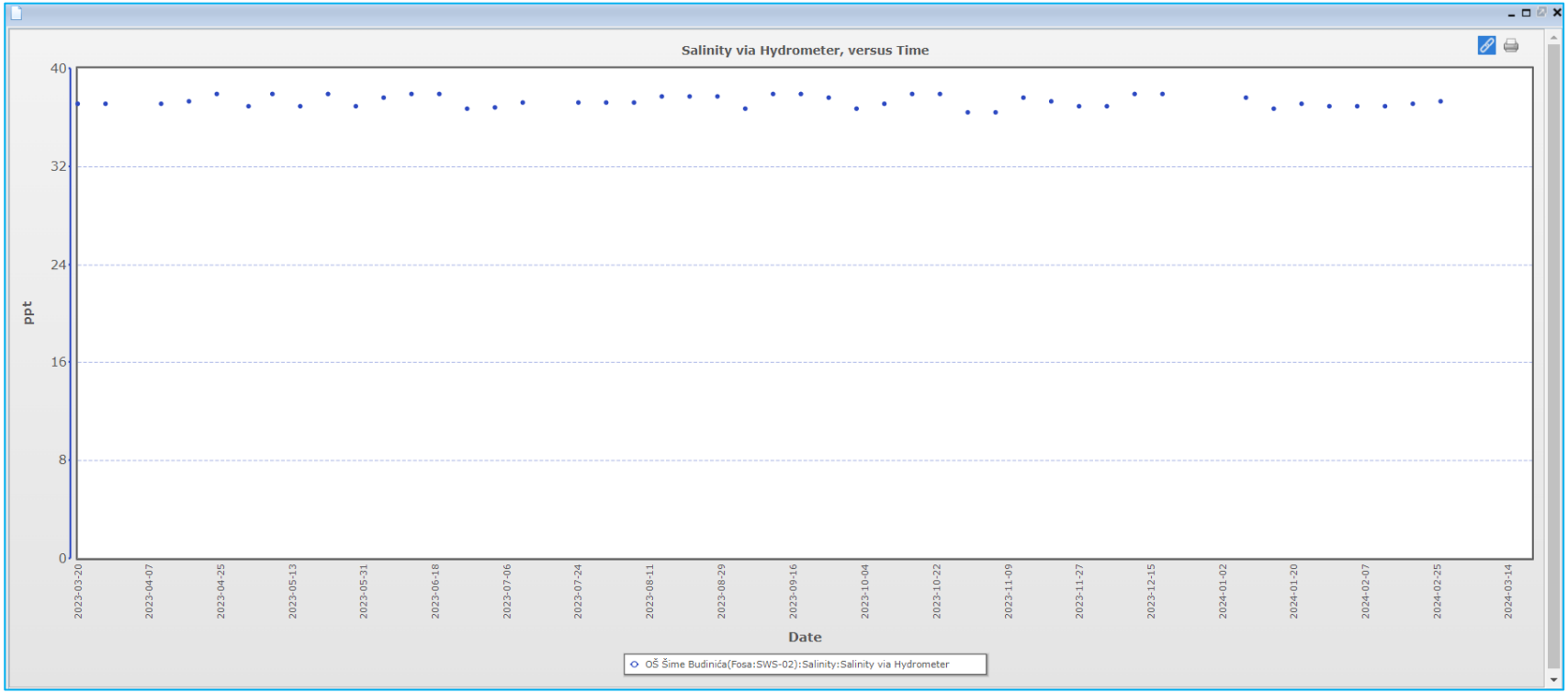






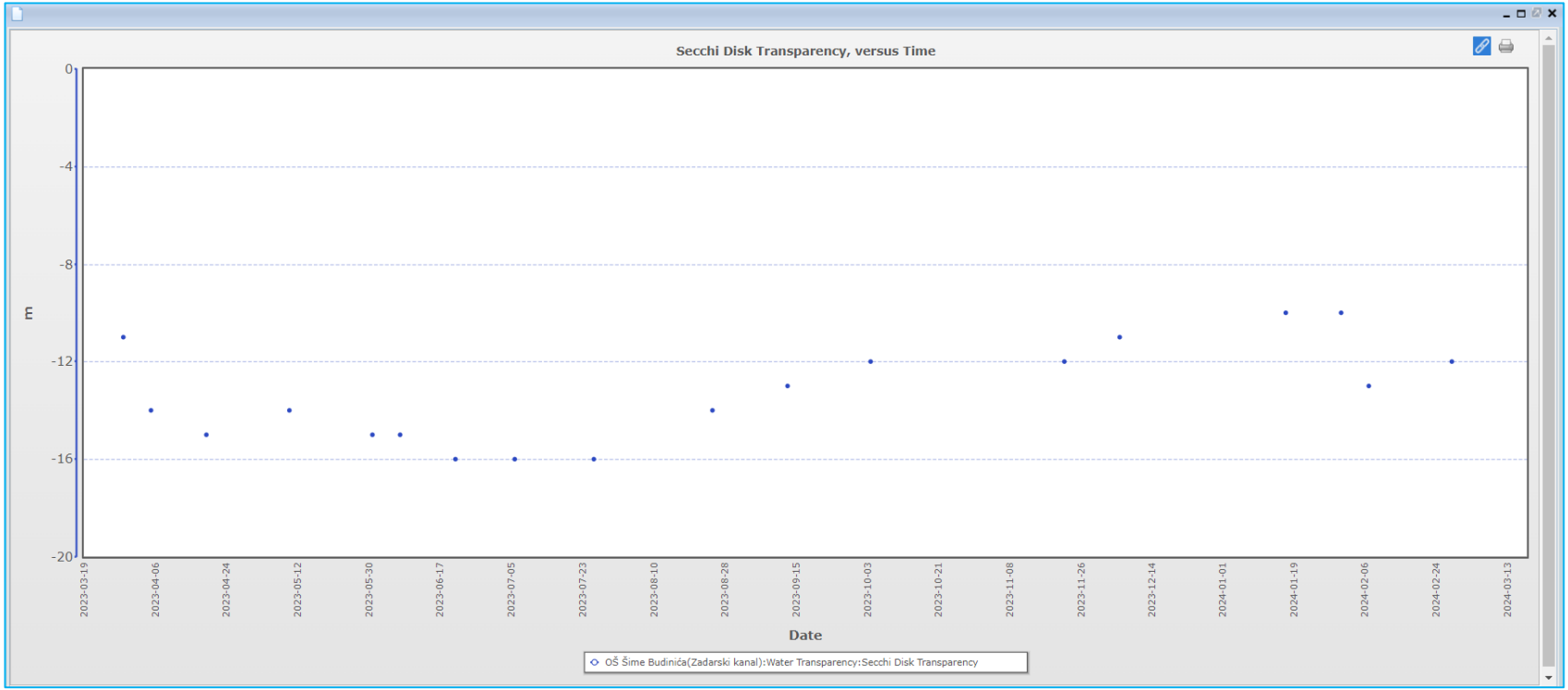
4. Salinitet vode

Fosa: SWS-02



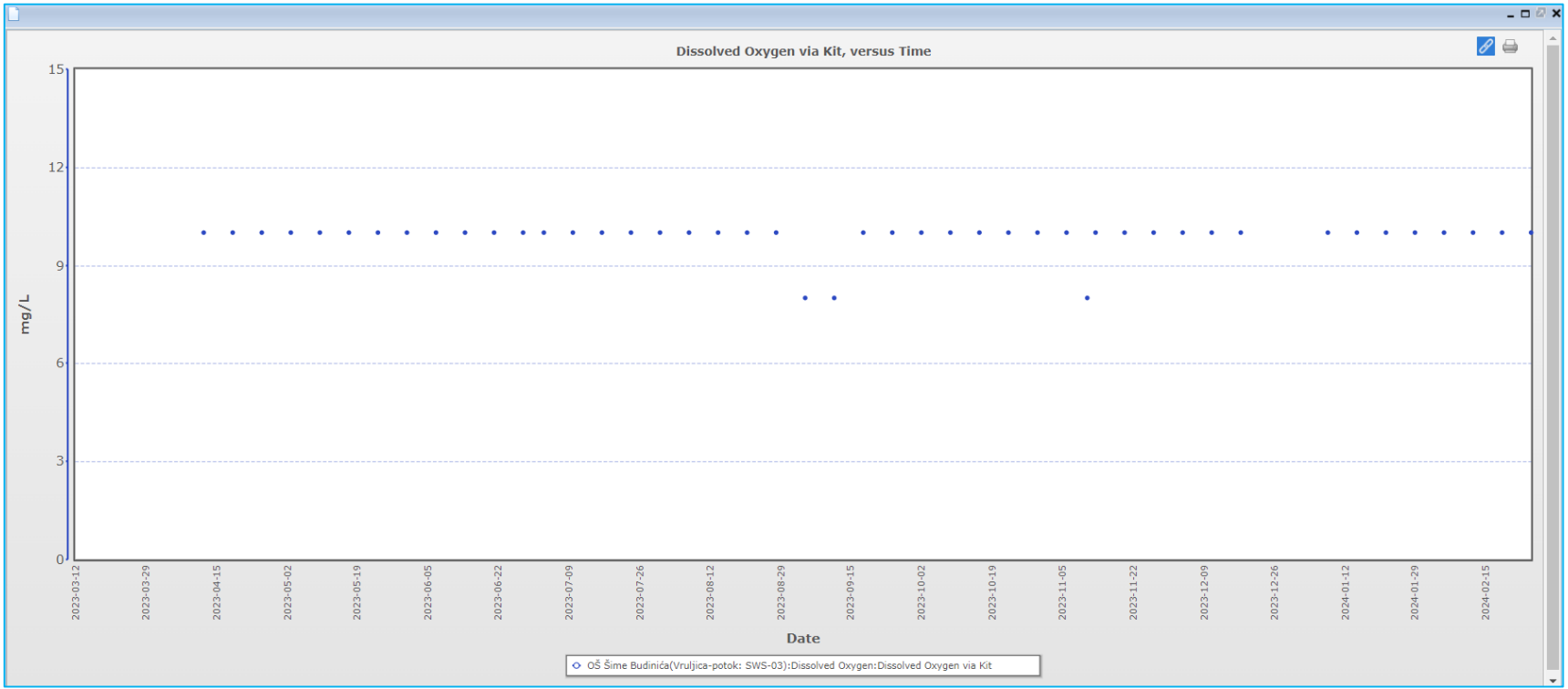
5. Prozirnost vode

Zadarski kanal



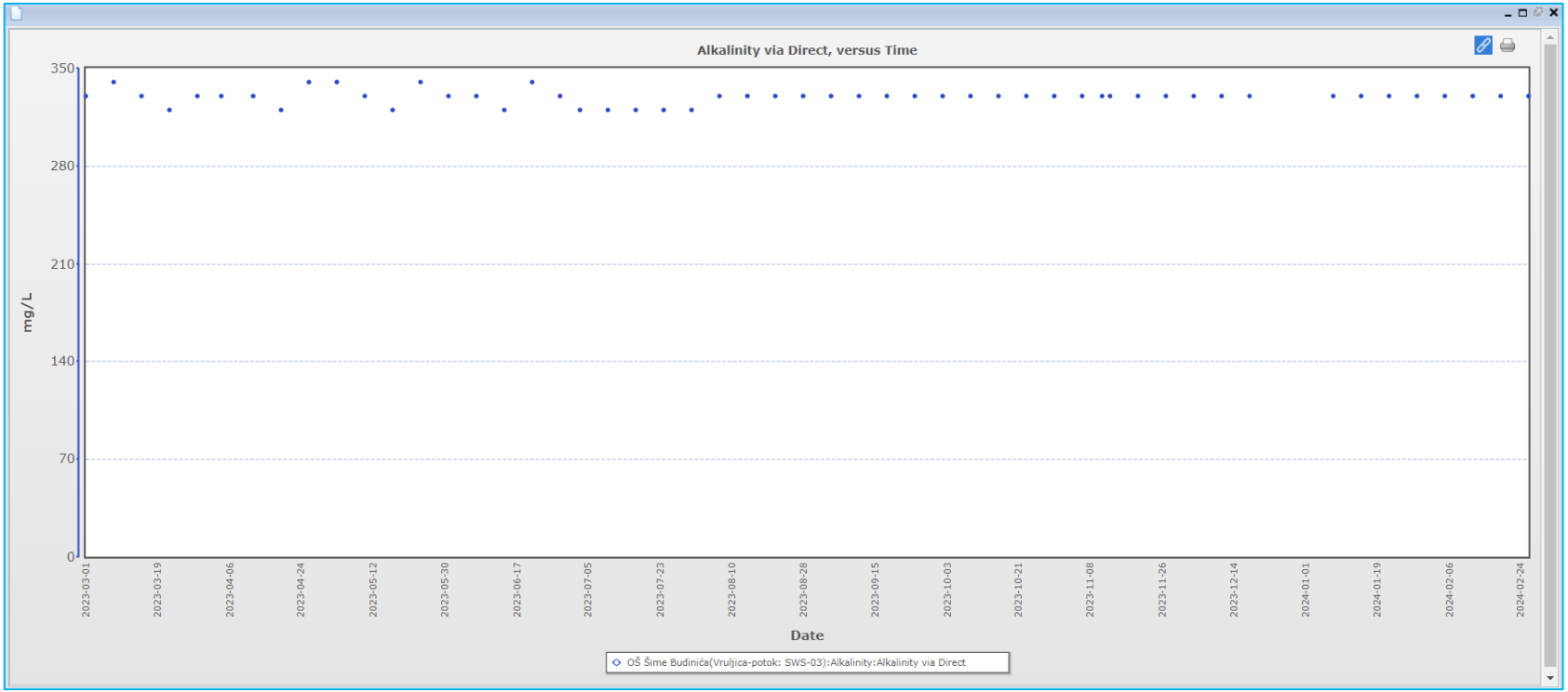
6. Kisik vode

Vruljica - potok: SWS - 03



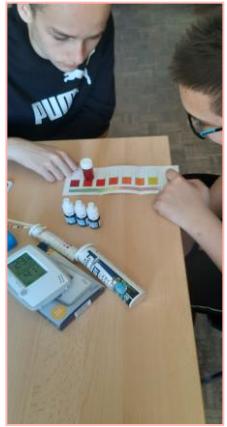
7. Alkalitet vode

Vruljica - potok: SWS - 03




EASY
EASY

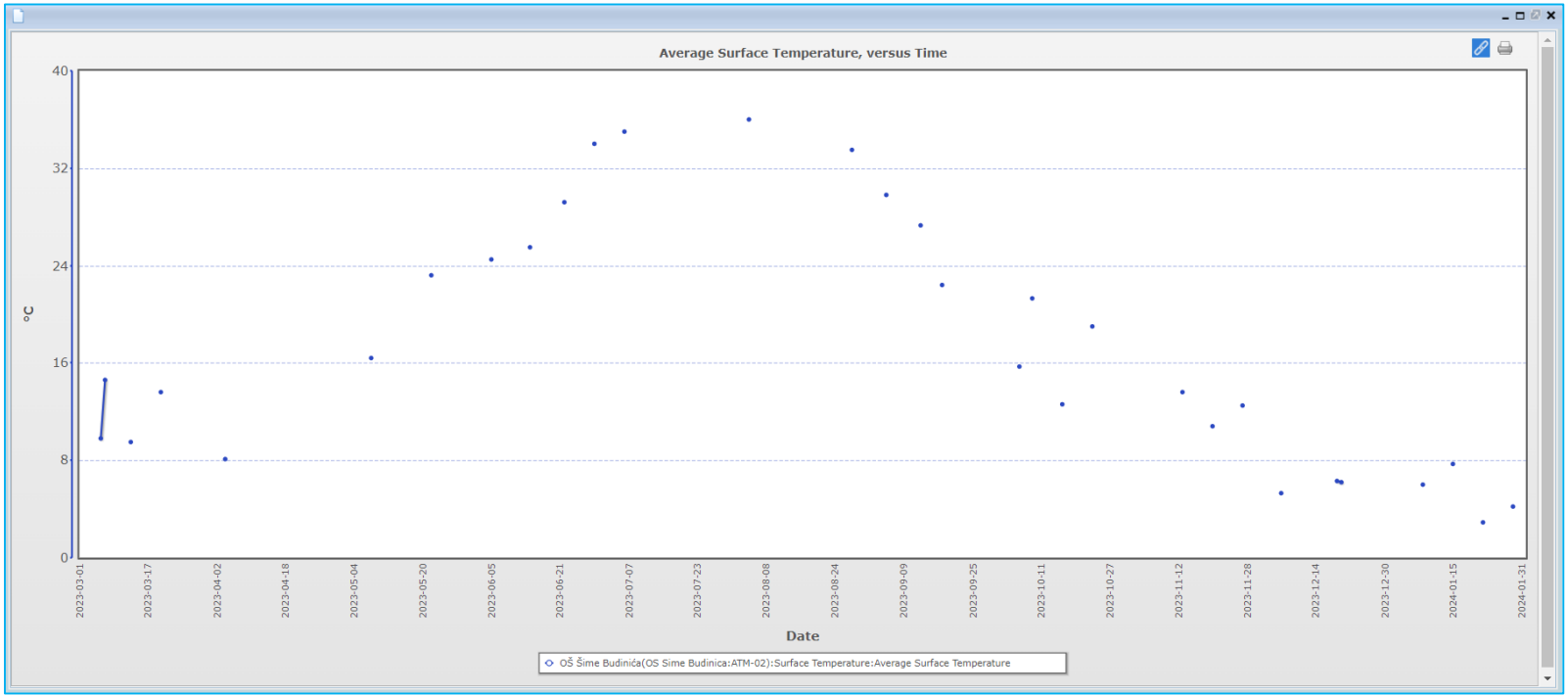

TEST



BIOMETRIJA

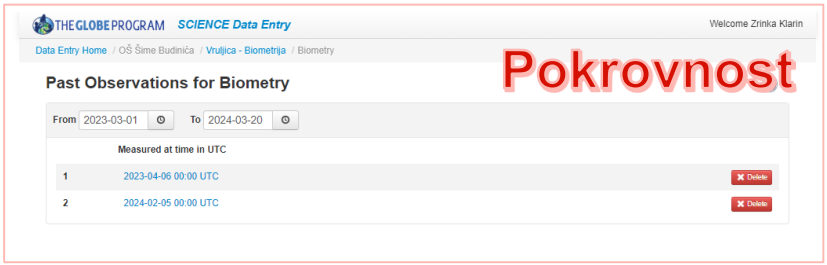
- Površinska temperatura
- Pokrovnost
- Visina i opseg stabla
- Biomasa

Površinska temperatura (surface temperature)
OS Sime Budinica: ATM-02

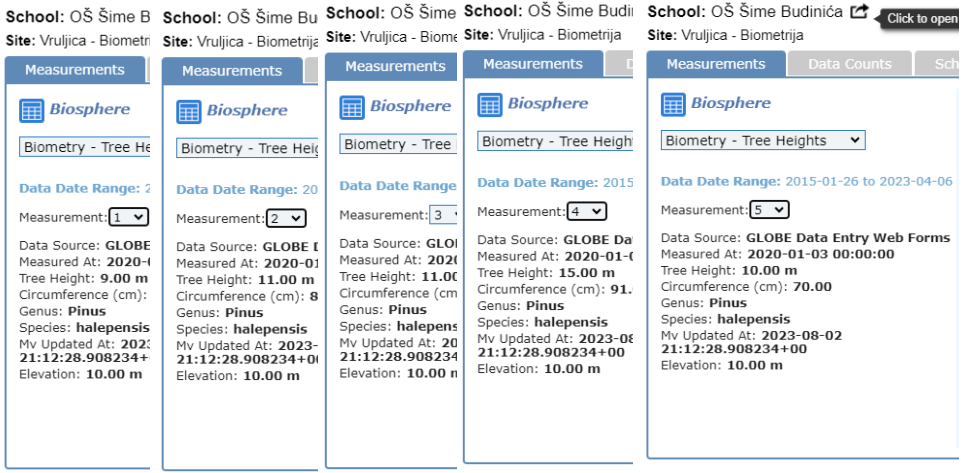


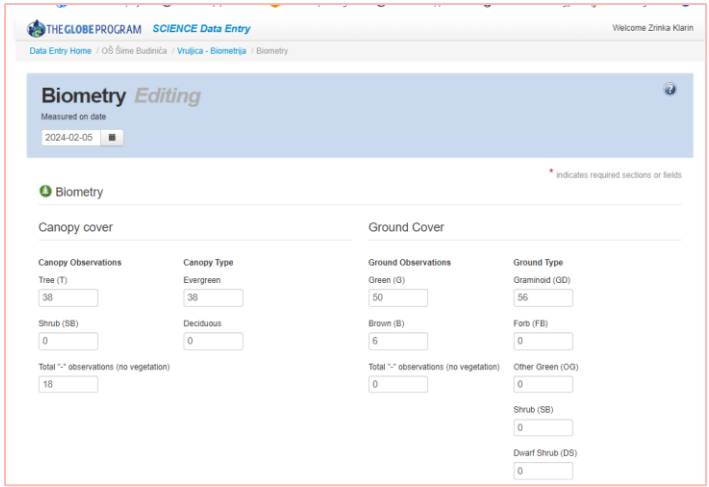
VRULJICA park

Jesen - Proljeće (x2)

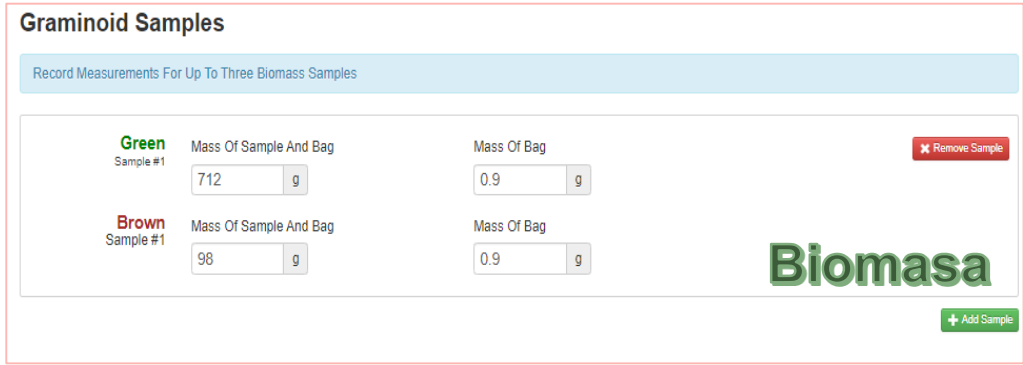


Pokrovnost

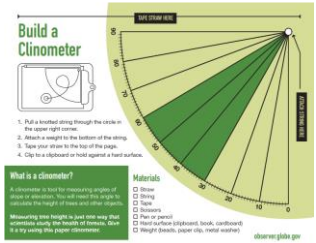




Visina i opseg stabala



Biomasa


Build a Clinometer
TAPE STRAW HERE
TAPE STRAW HERE
1. Pull a knotted string through the circle in the upper right corner.
2. Attach a weight to the bottom of the string.
3. Tape your straw to the top of the page.
4. Clip to a clipboard or hold against a hard surface.
What is a clinometer?
A clinometer is tool for measuring angles of slope or elevation. You will need this angle to calculate the height of trees and other objects.
Measuring tree height is just one way that scientists study the health of forests. Give it a try using this paper clinometer.
Materials
Straw
String
Tape
Scissors
Pen or pencil
Hard surface (clipboard, book, cardboard)
Weight (beads, paper clip, metal washer)
observer.globe.gov

TLO

Osnovno mjerenje

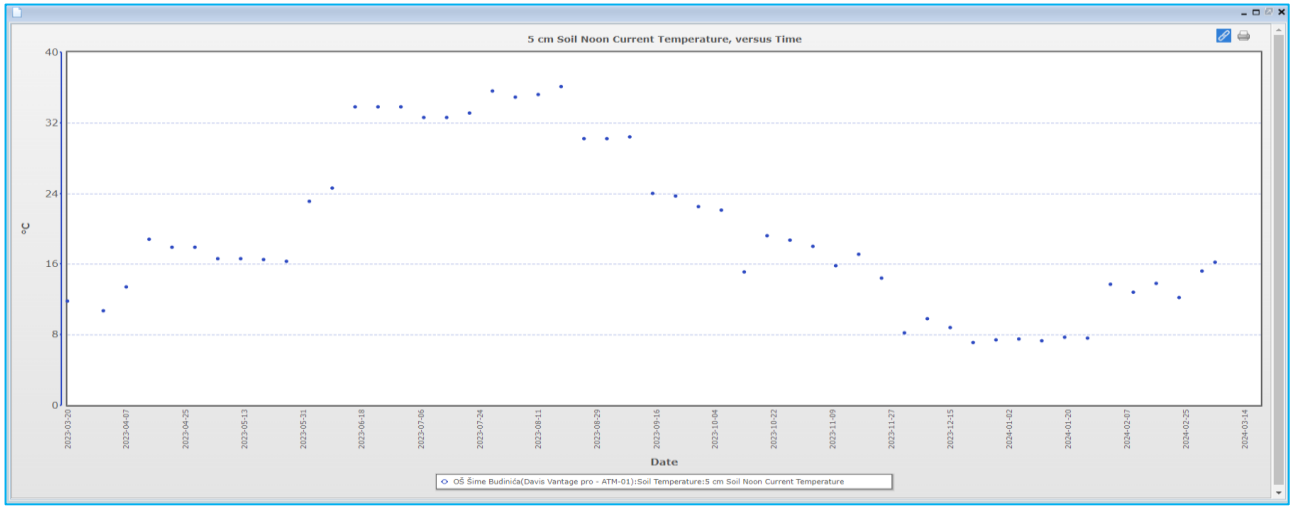
- temperatura tla

Dodatna mjerenja

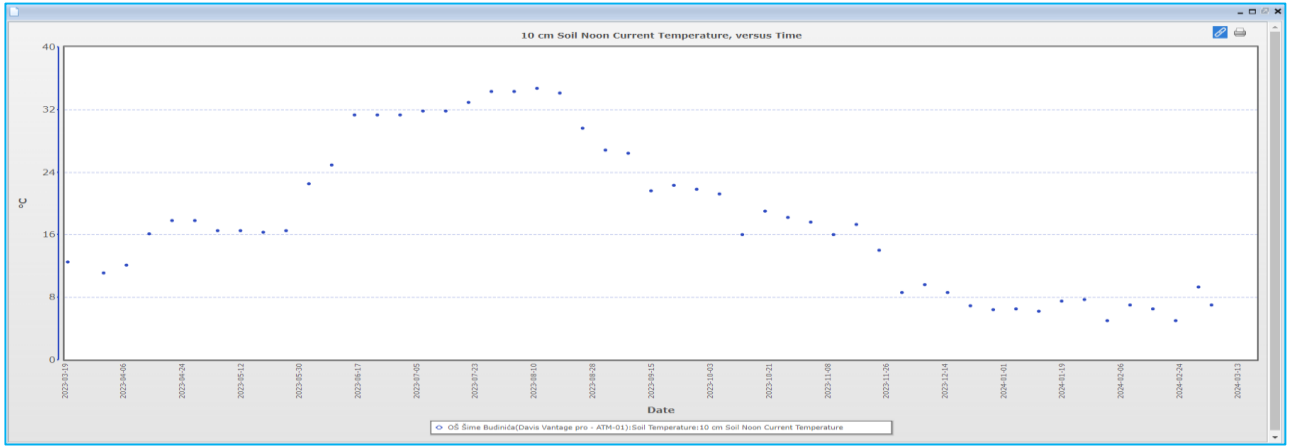
- vlaga
- infiltracija tla
- karakterizacija tla
- fertilitet tla (N,P,K)

Davis Vantage pro: ATM -1

Temperatura tla 5 cm

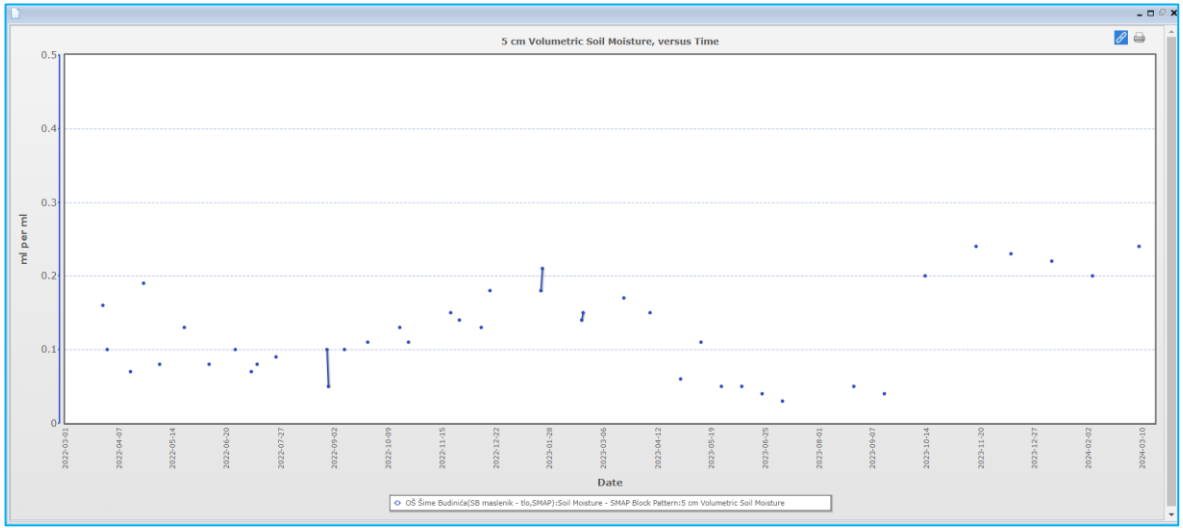


Temperatura tla 10 cm

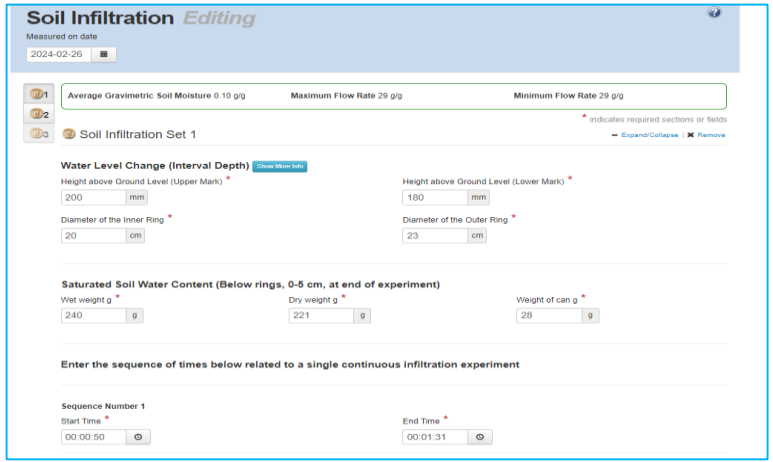


SB maslenik – tlo

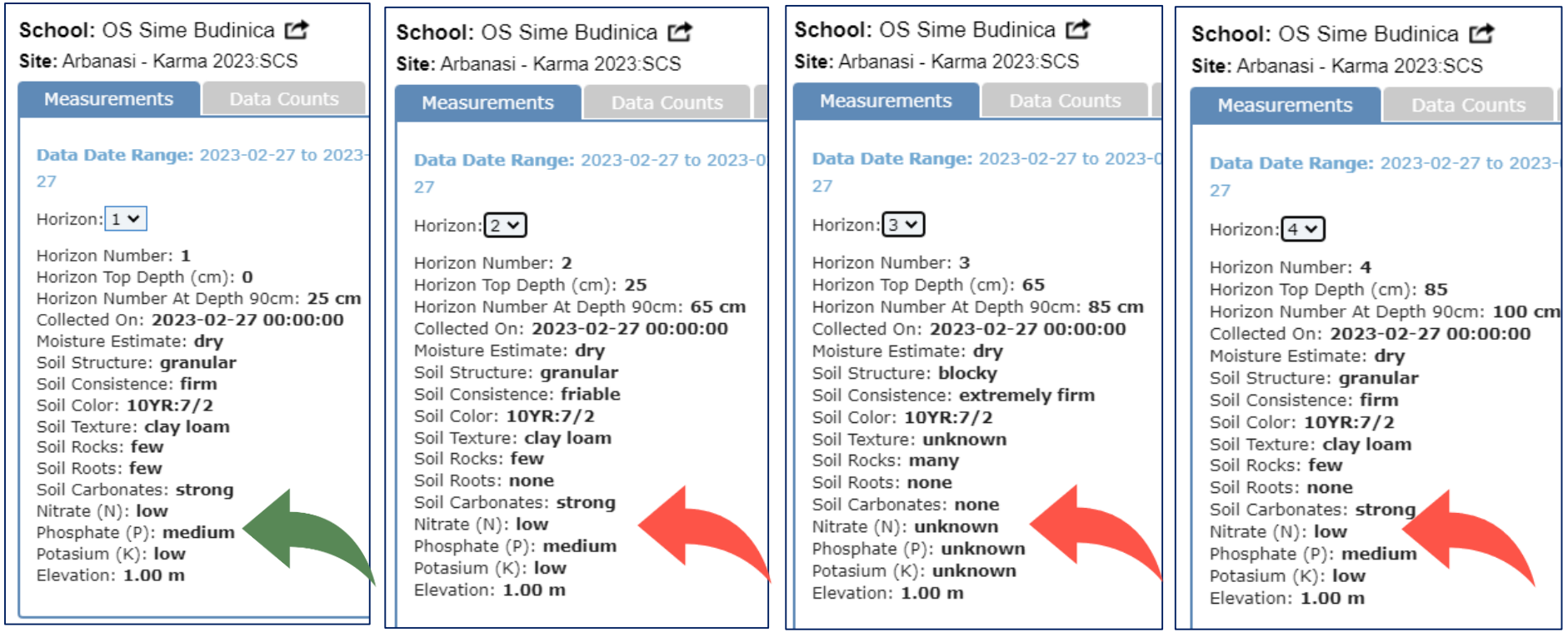
SMAP
Vlažnost tla



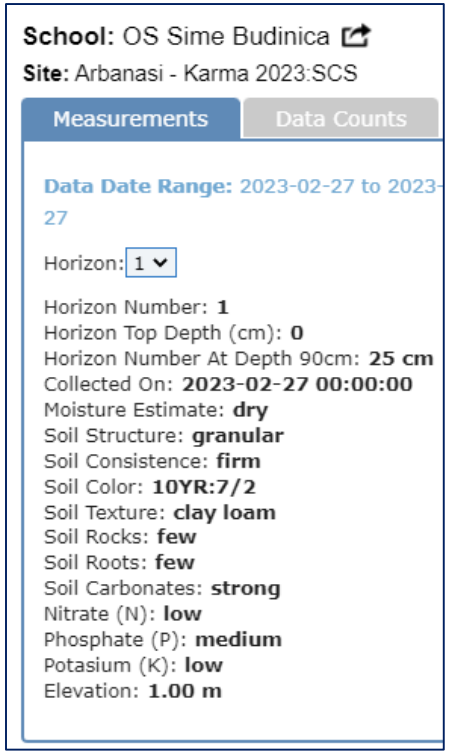
Infiltracija
tla



Fertilitet u tlu (N-dušik, P-fosfor, K-kalij)
Arbanasi – Karma 2024.



Karakterizacija tla
Arbanasi – Karma 2024.



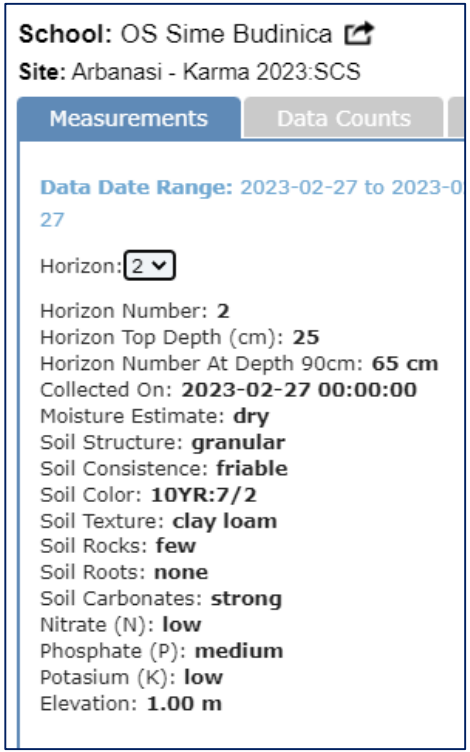
School: OS Sime Budinica
Site: Arbanasi - Karma 2023:SCS

Measurements | Data Counts

Data Date Range: 2023-02-27 to 2023-27

Horizon: 1

Horizon Number: **1**
Horizon Top Depth (cm): **0**
Horizon Number At Depth 90cm: **25 cm**
Collected On: **2023-02-27 00:00:00**
Moisture Estimate: **dry**
Soil Structure: **granular**
Soil Consistence: **firm**
Soil Color: **10YR:7/2**
Soil Texture: **clay loam**
Soil Rocks: **few**
Soil Roots: **few**
Soil Carbonates: **strong**
Nitrate (N): **low**
Phosphate (P): **medium**
Potasium (K): **low**
Elevation: **1.00 m**



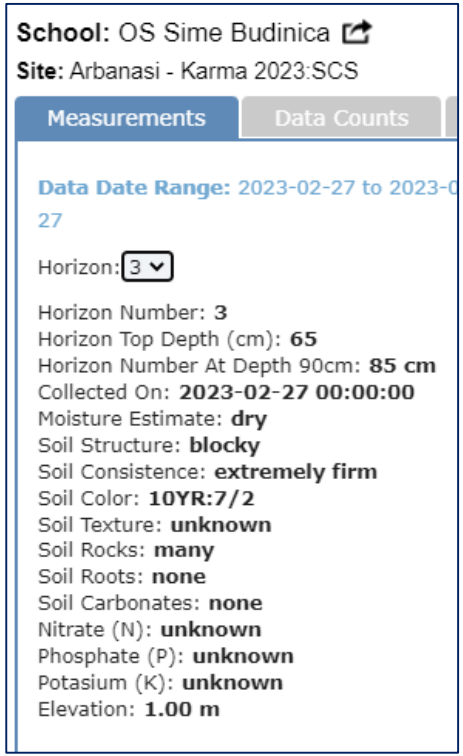
School: OS Sime Budinica
Site: Arbanasi - Karma 2023:SCS

Measurements | Data Counts

Data Date Range: 2023-02-27 to 2023-27

Horizon: 2

Horizon Number: **2**
Horizon Top Depth (cm): **25**
Horizon Number At Depth 90cm: **65 cm**
Collected On: **2023-02-27 00:00:00**
Moisture Estimate: **dry**
Soil Structure: **granular**
Soil Consistence: **friable**
Soil Color: **10YR:7/2**
Soil Texture: **clay loam**
Soil Rocks: **few**
Soil Roots: **none**
Soil Carbonates: **strong**
Nitrate (N): **low**
Phosphate (P): **medium**
Potasium (K): **low**
Elevation: **1.00 m**



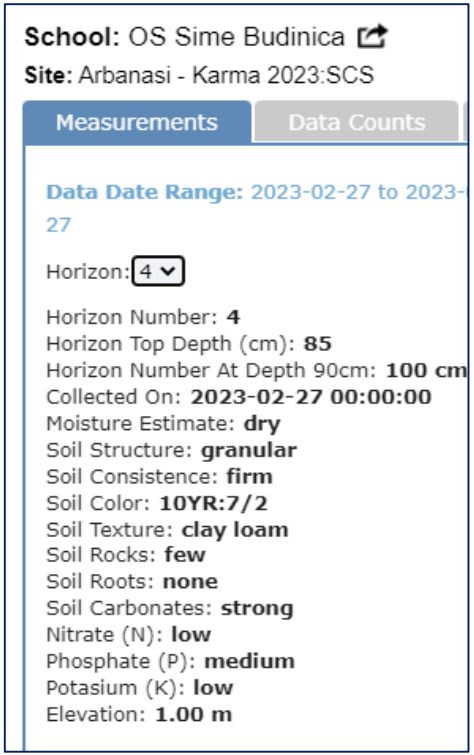
School: OS Sime Budinica
Site: Arbanasi - Karma 2023:SCS

Measurements | Data Counts

Data Date Range: 2023-02-27 to 2023-27

Horizon: 3

Horizon Number: **3**
Horizon Top Depth (cm): **65**
Horizon Number At Depth 90cm: **85 cm**
Collected On: **2023-02-27 00:00:00**
Moisture Estimate: **dry**
Soil Structure: **blocky**
Soil Consistence: **extremely firm**
Soil Color: **10YR:7/2**
Soil Texture: **unknown**
Soil Rocks: **many**
Soil Roots: **none**
Soil Carbonates: **none**
Nitrate (N): **unknown**
Phosphate (P): **unknown**
Potasium (K): **unknown**
Elevation: **1.00 m**



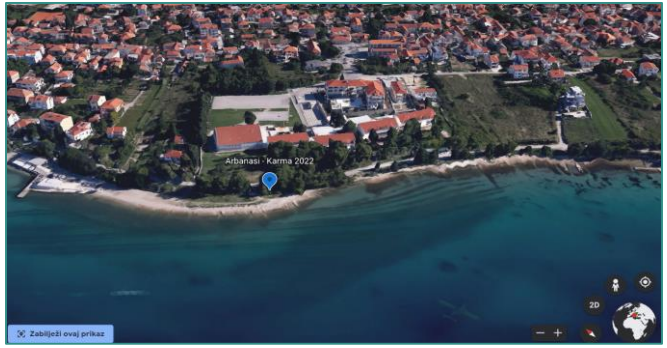
School: OS Sime Budinica
Site: Arbanasi - Karma 2023:SCS

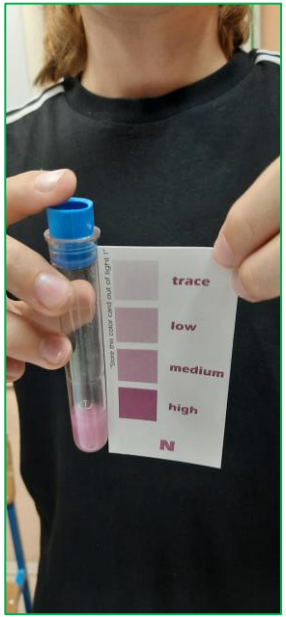
Measurements | Data Counts

Data Date Range: 2023-02-27 to 2023-27

Horizon: 4

Horizon Number: **4**
Horizon Top Depth (cm): **85**
Horizon Number At Depth 90cm: **100 cm**
Collected On: **2023-02-27 00:00:00**
Moisture Estimate: **dry**
Soil Structure: **granular**
Soil Consistence: **firm**
Soil Color: **10YR:7/2**
Soil Texture: **clay loam**
Soil Rocks: **few**
Soil Roots: **none**
Soil Carbonates: **strong**
Nitrate (N): **low**
Phosphate (P): **medium**
Potasium (K): **low**
Elevation: **1.00 m**


Arbanasi - Karma 2022
Zabilježi ovaj prikaz
2D


trace
low
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N


trace
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K


trace
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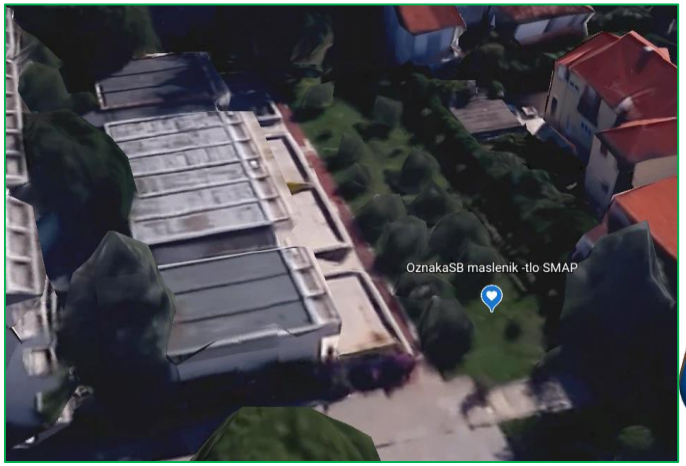
P


OznakaSB maslenik -tlo SMAP

FENOLOGIJA

Osnovno mjerenje –

pupanje

Dodatna mjerenja –

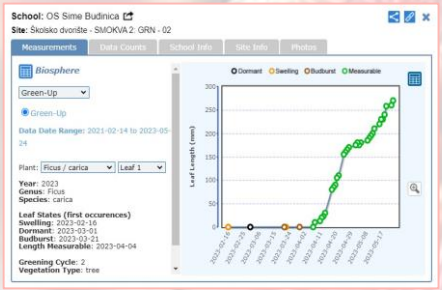
listanje

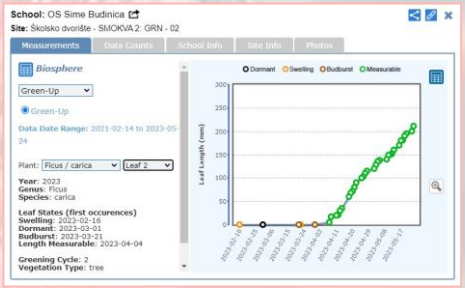
žućenje

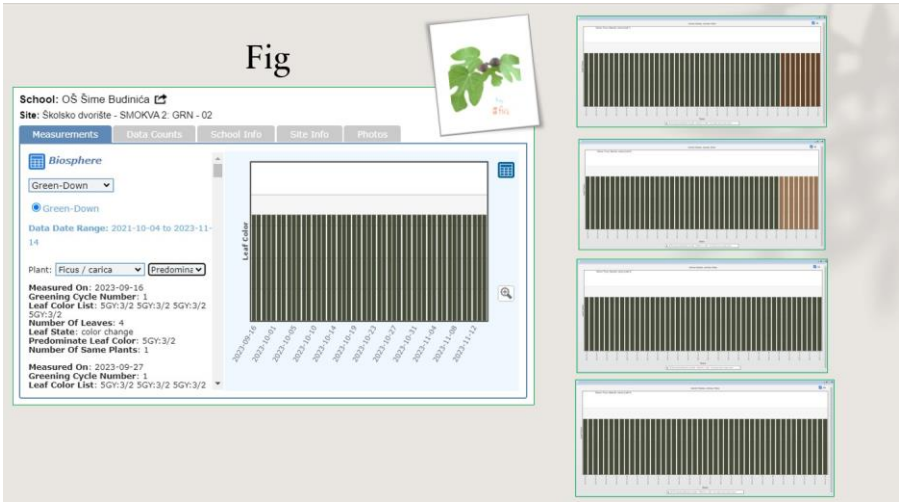
Smokva – 11. godina

Pupanje

Green Up - Green Down







Leaf 1, Leaf 2, Leaf 3, Leaf 4

The GLOBE Program

Global Learning and Observations to Benefit the Environment

Certificate of Appreciation

Elementary school Šime Budinića Zadar

In recognition of your outstanding contribution - submitting a video for 2023 European Phenology Campaign webinar Our Spring with Trees

Dr. Tony P. Murphy, Director
GLOBE Implementation Office

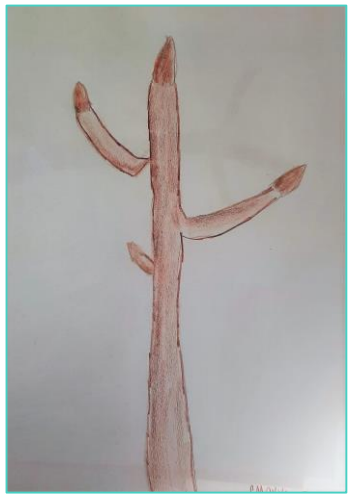
Lenka Kleger
GLOBE Europe and Eurasia Region Coordination Office

June 1, 2023
Date

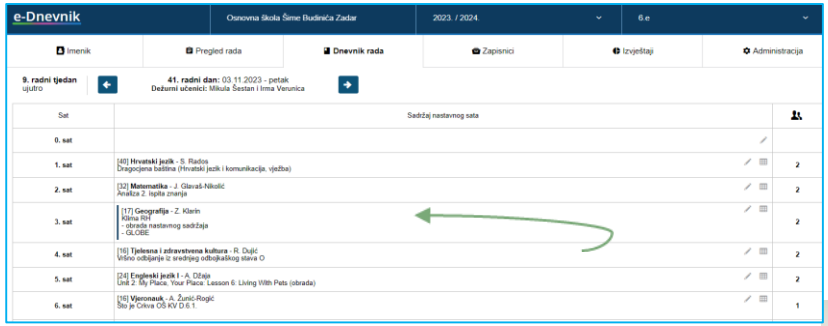
Sponsored by: NASA Supported by: NSF NOAA Implemented by: UCAR

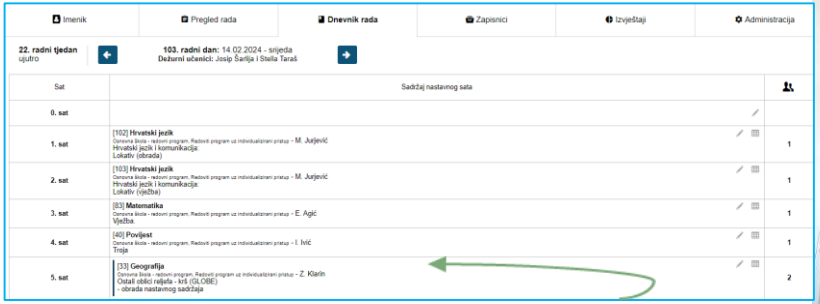
GLOBE PHENOLOGY CAMPAIGN 2023 DATA ENTRY SPRING

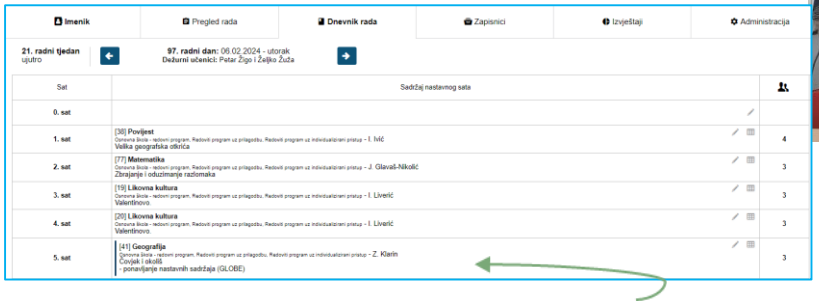
GLOBE PHENOLOGY CAMPAIGN 2023 COLLABORATION SPRING



GLOBE U NASTAVI

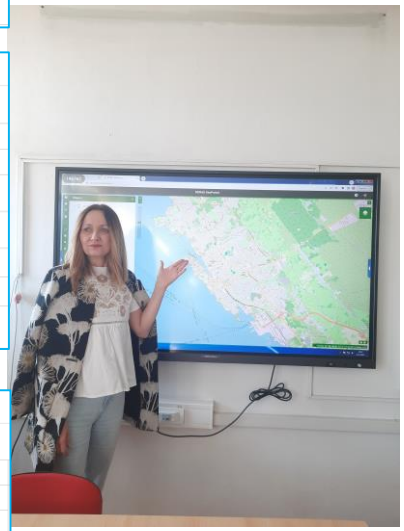


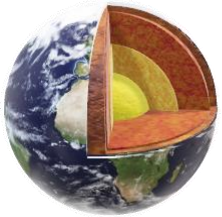


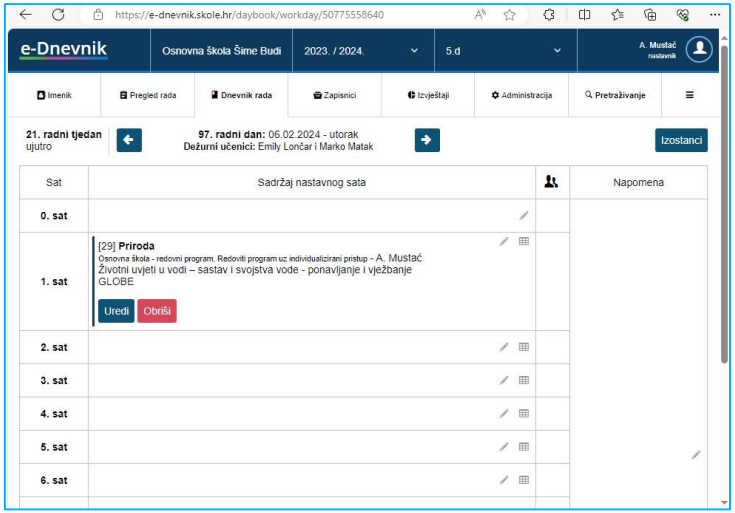


GLOBE u nastavi geografije

učiteljica Zrinka Klarin

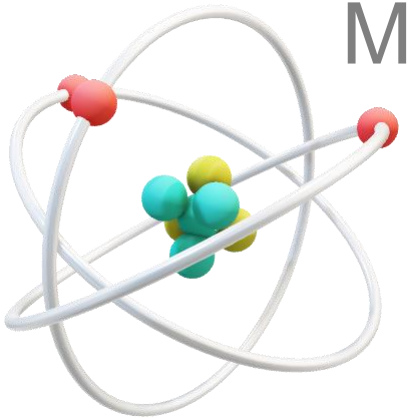






GLOBE u nastavi prirode

učiteljica Anita Mustać

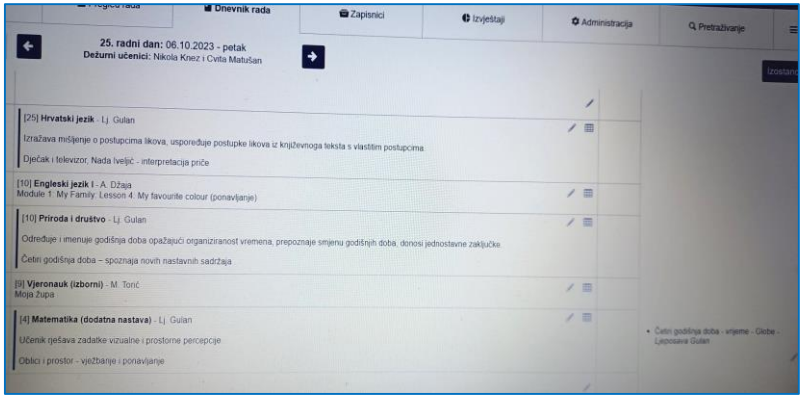


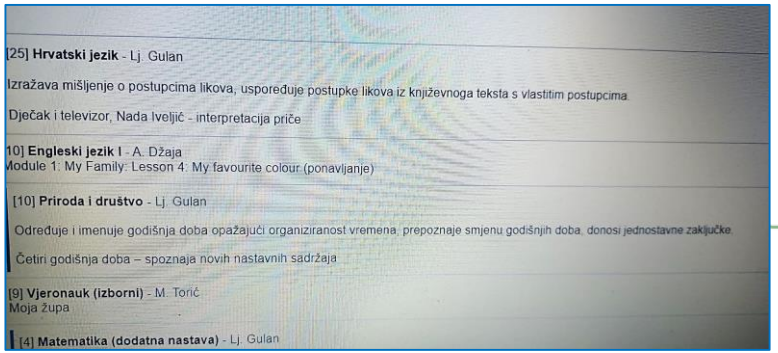
				Matulić		18.08.32	Matulić		
12	26.10.2020	-	6. sat	Irena Matulić	Uređivanje tablice	26.10.2020. 12:15:21	I. Matulić		
13	26.10.2020	-	7. sat	Irena Matulić	Uređivanje tablice	26.10.2020. 12:15:21	I. Matulić		
14	09.11.2020	-	6. sat	Irena Matulić	Osnovne funkcije u programu za izradu proračunskih tablica Izračunavanje prosječne temperature gradova Europe GLOBE	09.11.2020. 12:27:10	I. Matulić	02.03.2021 09:59:48	I. Matulić
15	09.11.2020	-	7. sat	Irena Matulić	Osnovne funkcije u programu za izradu proračunskih tablica Izračunavanje najniže temperature na kontinentima GLOBE	09.11.2020. 12:27:10	I. Matulić	02.03.2021 10:00:21	I. Matulić

GLOBE u nastavi informatike

učiteljica

Irena Matulić





GLOBE u razrednoj nastavi

učiteljica Ljeposlava Gulan

1.C

TERENSKA NASTAVA – UGLJAN (Preko)

30.9.2023. godine

Kurikulum škole i web stranica škole

http://os-sbudinica-zd.skole.hr/upload/os-sbudinica-zd/images/static3/1984/attachment/SKOLSKI_KURIKULUM_-2023.24._--.pdf
http://os-sbudinica-zd.skole.hr/globe_kola

Kurikulum škole

Terenska nastava – Ugljan (Preko)

NOSITELJ	Zrinka Klarin
IZVRŠITELJ	Učiteljica geografije/ GLOBE

OŠ Šime Budinića, 23 000 ZADAR, Put Šimunova 4, Tel.: 023/305-435; Fax.: 023/309-010
e-mail: ured@os-sbudinica-zd.skole.hr MB: 3141799; OIB: 83934515407; MBS: 0600

CILJ AKTIVNOSTI	-neposredno upoznavanje zavičaja -upoznavanje prirodno-geografskih obilježja -upoznavanje krških oblika -povezivanje sadržaja redovne nastave i GLOBE -otkrivanje i zaključivanje u neposrednoj životnoj stvarnosti -razvijanje interesa za prirodu i živa bića u njoj -razvijanje pravilnog odnosa prema zaštiti i očuvanju prirode -protokol voda, tlo i atmosfera -poticanje na analiziranje i kritičko mišljenje -razvijanje sposobnosti promatranja, uočavanja i povezivanja naučenog te zaključivanja
NAČIN REALIZACIJE	Terenska nastava
NAMJENA	Proširivanje znanja i povezivanje naučenog s prirodnom stvarnošću
VREMENIK	Listopad (ovisno o vremenskim prilikama)
NAČIN VREDNOVANJA	GLOBE mjerenja na terenu. Izrada plakata i prezentacije u razrednom odjelu. Dio GLOBE programa 2023./2024.godina.
TROŠKOVNIK	Prijevoz učenika.

OŠ Šime Budinića, 23 000 ZADAR, Put Šimunova 4, Tel.: 023/305-435; Fax.: 023/309-010
e-mail: ured@os-sbudinica-zd.skole.hr MB: 3141799; OIB: 83934515407; MBS: 0600

	Priroda	muzeju, Posjet knjižnici, kazalištu Vruljica, Gradski perivoj, Gradska plaža		
listopad	Vjeronauk Povijest Geografija/GLOBE	Posjet župi Krapina i Trakošćan Gradski park Vruljica, otok Ugljan (Preko)		

TERENSKA NASTAVA - UGLJAN (Preko)

Dana 30.9.2023. učenici 5.d GLOBE-ovci bili su na terenskoj nastavi na otoku Ugljanu. Na terenskoj nastavi učenici su uživali u lijepom vremenu što im je omogućilo vježbanje GLOBE protokola iz atmosfere i biosfere. Učenici su se popeli na sv. Mihovil, a zatim uživali na plaži.




Uredi tekst
Dodaj dokument

Web stranica škole

ISTRAŽIVAČKI PROJEKT

Naša škola u novom ruhu

Osnovna škola Šime Budinića Zadar

Cilj ovog projekta je aktivno sudjelovanje učenika u odabiru energetski i estetski najadekvatnije boje fasade naše škole usporedbom podataka mjerenja površinske temperature različitih boja i podloga fasade.

Istraživanjem se željelo odgovoriti na sljedeća istraživačka pitanja

Utječu li različite boje fasade na temperaturu zgrade?

Kakav je utjecaj boje fasade na unutrašnju temperaturu zgrade tijekom različitih godišnjih doba?

Ima li podloga fasade veliki utjecaj na unutrašnju temperaturu zgrade?

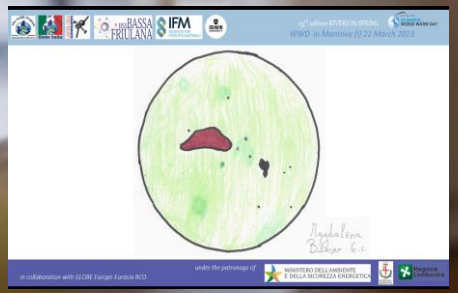
GLOBE REGIONAL MEETING IN RIGA
18.10.2023.
Microplastic monitoring campaign

Međunarodna konferencija

https://2023.globemeeting.eu/detailed-agenda/

INTERNATIONAL VIRTUAL WORLD WATER DAY
22.3.2023.
Microplastics in the sea under magnification

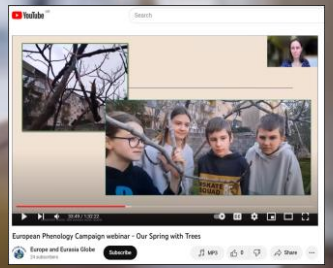
Međunarodna konferencija



https://www.youtube.com/watch?v=tY9HORBSd0Q

EUROPEAN PHENOLOGY CAMPAIGN WEBINAR
31.5.2023.
Spring on Our Trees

Međunarodna konferencija

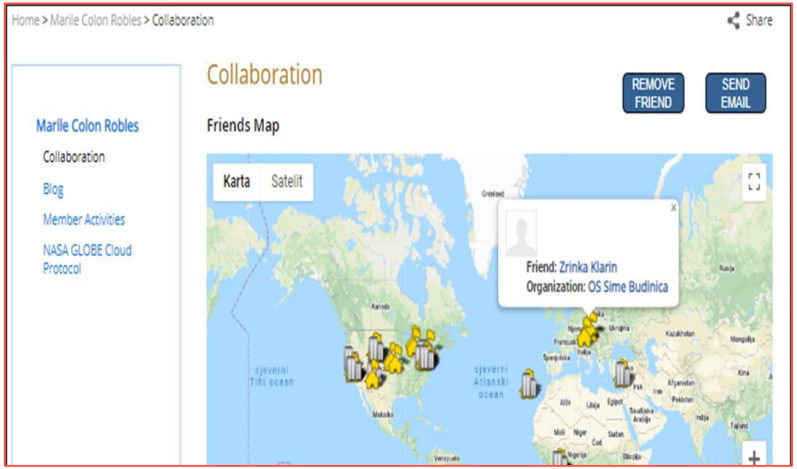


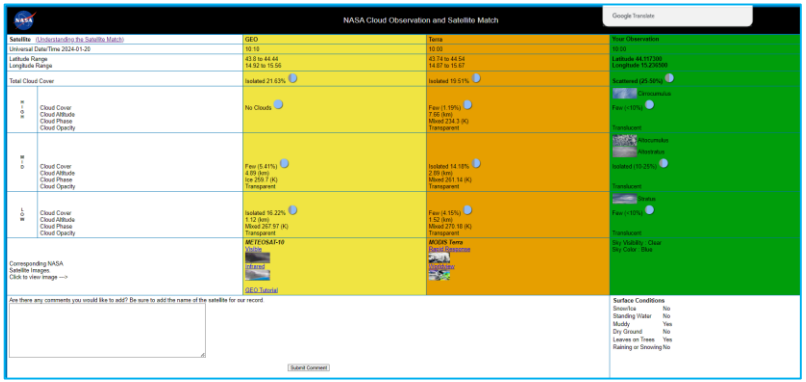
https://www.youtube.com/watch?v=qyLm9UcoKbg

12. ZNANSTVENI PIKNIK
6. i 7.10.2023.
Paleta boja neba

KONFERENC
IJA
HRVATSKA

https://www.youtube.com/watch?v=DlbNxu3zPgQ&t=35s

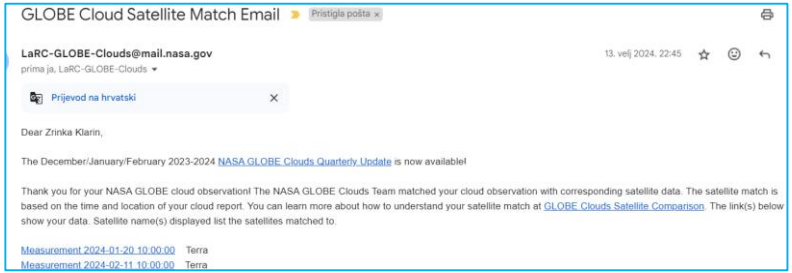


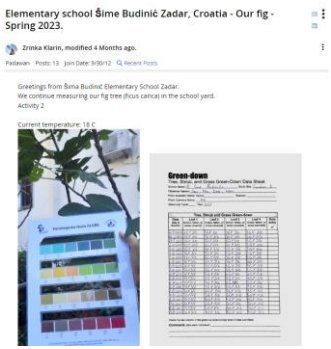


1. NASA GLOBE CLOUD CAMPAIGN

GLOBE kampanja

OŠ Šime Budinića, 2023.

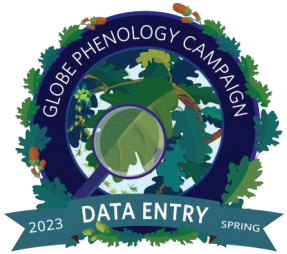




2. EUROPEAN PHENOLOGY CAMPAIGN

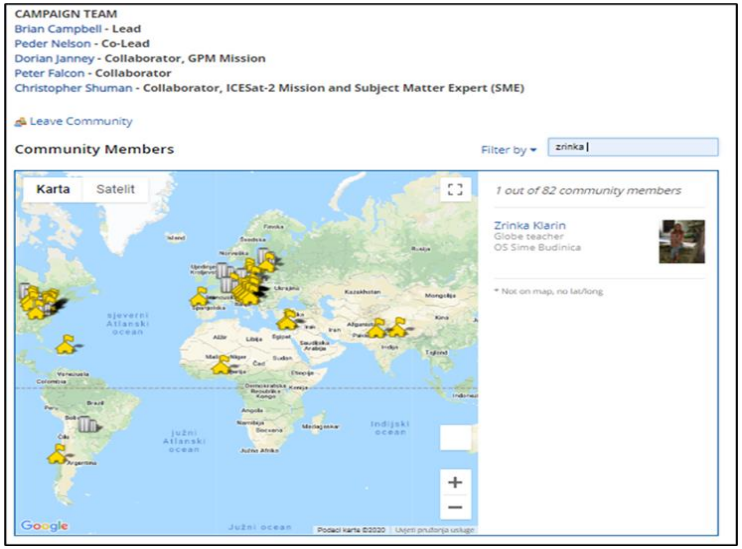
OŠ Šime Budinića, 2023.

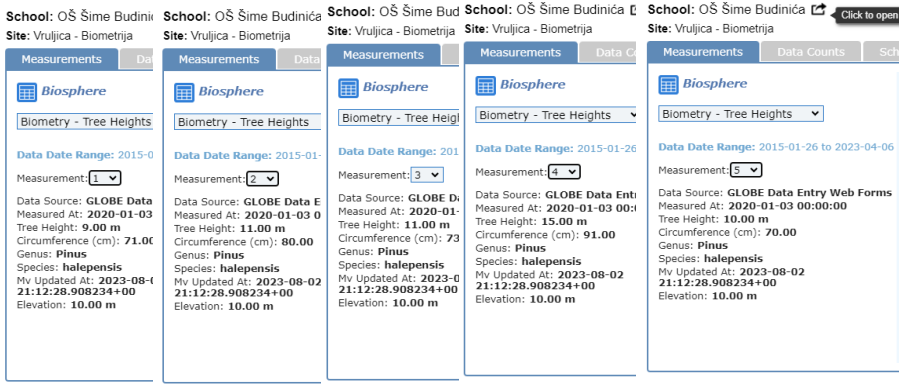
https://www.globe.gov/web/european-phenology-campaign/overview/discussion-forums/-/message_boards/category/101770999



3. TREES AROUND THE GLOBE CAMPAIGN

OŠ Šime Budinića, 2023.



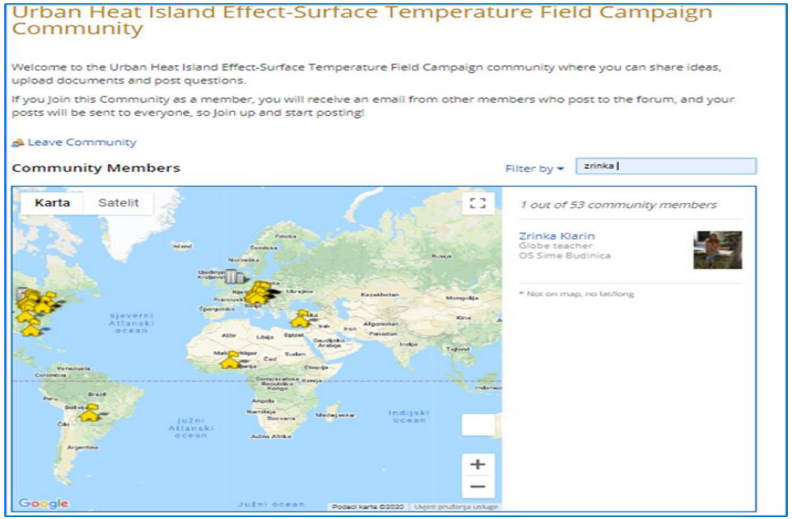


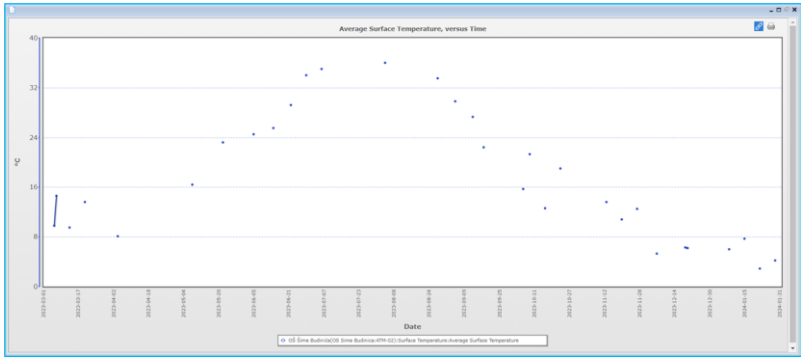
Take measurements on at least 5 different days within the following months:

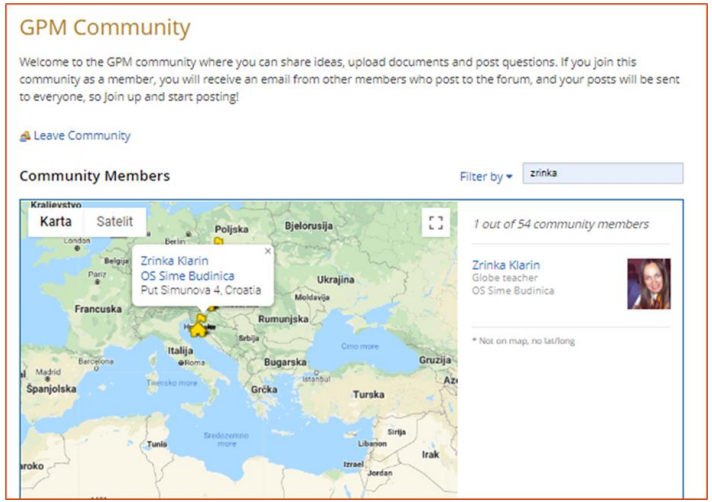
	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
Surface Temperature Field Campaign			X		X			X				

4.URBAN HEAT ISLAND EFFECT (UHIE) GLOBE CAMPAIGN

OŠ Šime Budinića, 2023.

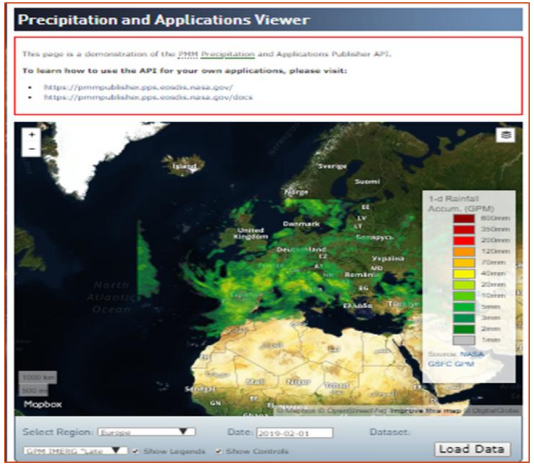


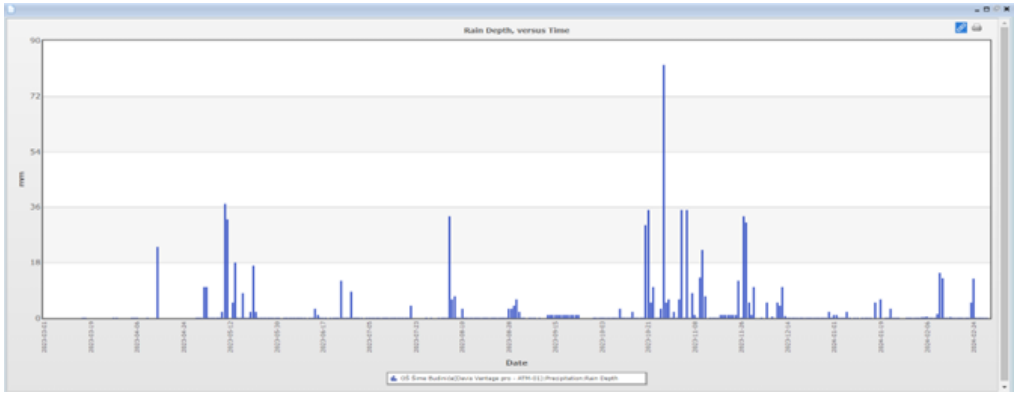




5. GPM GLOBE CAMPAIGN

OŠ Šime Budinića, 2023.





Hvala za pozornost!

GLOBE 2024.

The Global Learning and Observations to Benefit the Environment