

GLOBE

2023./2024.



Co-funded by
the European Union



GLOBEaktivnosti 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



OS Šime Budinića

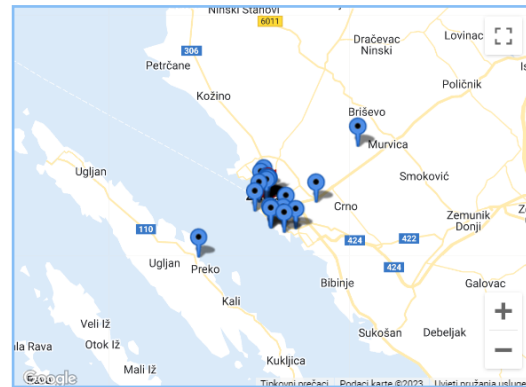
Country: Croatia

Referral Code: HRHRGZQ5

Contact Us

Leave School

School / Data Site Locations



Teachers

Zrinka Klarin



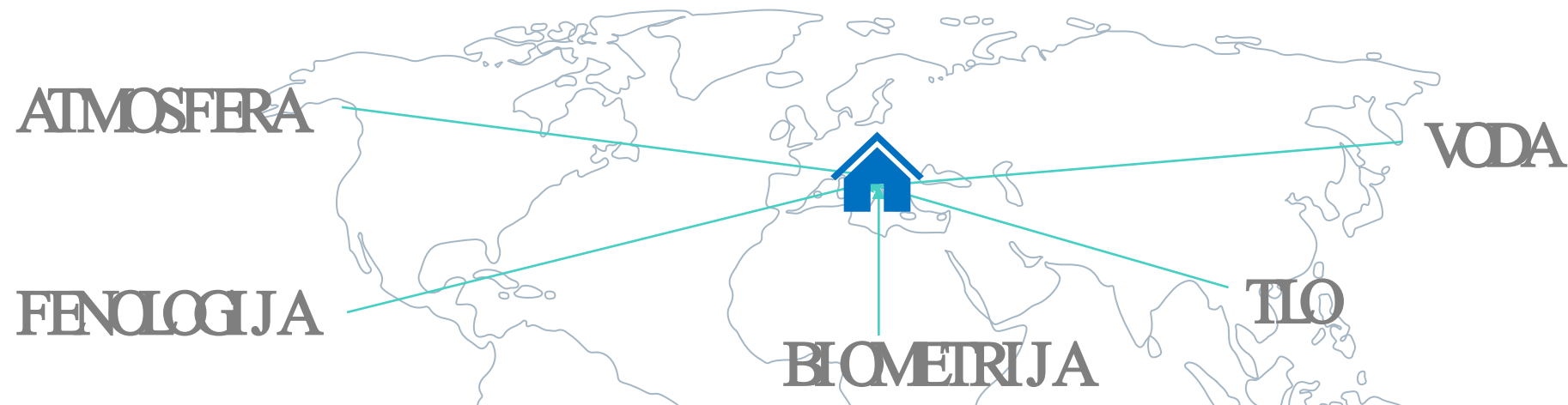
Anita Mustać

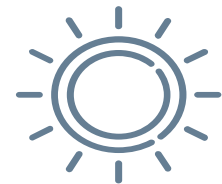


24 SITE

OŠ ŠIME BUDINIĆA ZADAR

MJERENJIMA - VRSTE, KONTINUITET I DODATNA MJERENJA





ATMOSFERA

Osnovna mjerenja

oblaci

temperatura

padaline

Dodatna mjerenja

tlak zraka

vlažnost

visina snijega

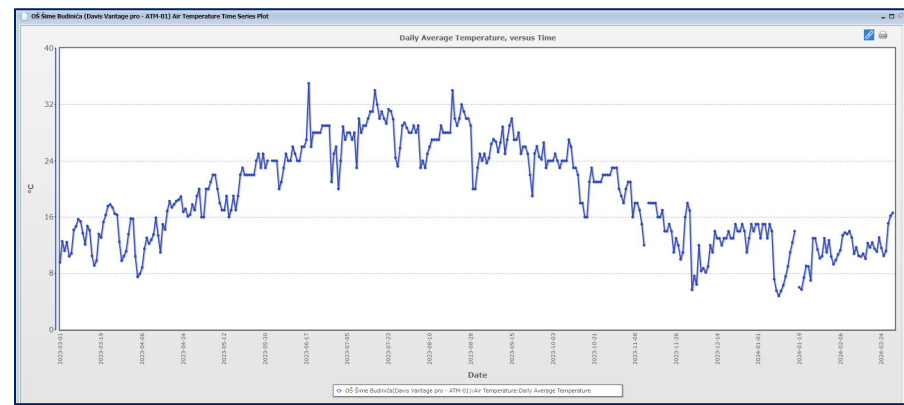
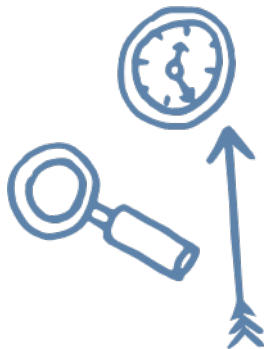
Davis Vantage pro: ATM - 1

OS Sime Budinica: ATM - 2

Temperatura
zraka

Oblaci

Oborine (kiša)



THE GLOBE PROGRAM SCIENCE Data Entry Welcome Zrinka Klarin

Data Entry Home OS Sime Budinica OS Sime Budinica ATM-02 Clouds

Past Observations for Clouds

From: 2023-03-01 To: 2024-02-29

Measured at Time in UTC

ID	Time (UTC)	Action
1	2023-03-01 10:00 UTC	Clouds
2	2023-03-02 10:00 UTC	Clouds
3	2023-03-03 10:00 UTC	Clouds
4	2023-03-04 10:00 UTC	Clouds
5	2023-03-05 10:00 UTC	Clouds
6	2023-03-06 10:00 UTC	Clouds

School: OS Sime Budinica

Site: OS Sime Budinica ATM-02

Measurements Data Counts School Info Site Info Photos

Atmosphere

Clouds

- Cloud Cover
- All Cloud Types
- Cloud Photos
- Sky Color

Visibility

Clouds

visibility

poststratus

altonimbus

ocumulus

tus

ulus

stratus

cumulus

stratus

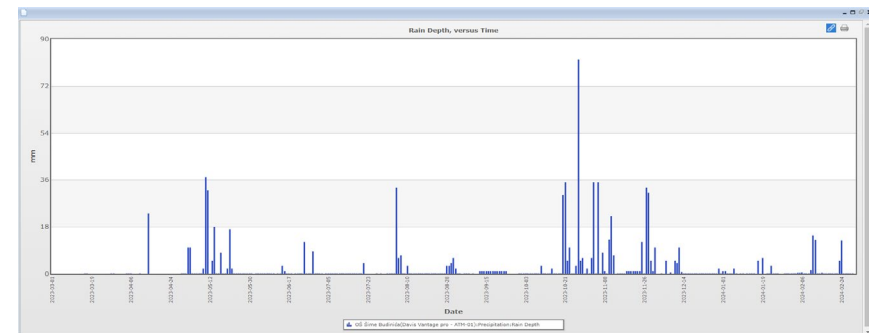
ocumulus

is

of measurements

Monthly 2023-03-01 2024-02-29 Plot

Date	# of measurements
2023-03-01	25
2023-03-02	25
2023-03-03	25
2023-03-04	25
2023-03-05	25
2023-03-06	25
2023-03-07	25
2023-03-08	25
2023-03-09	25
2023-03-10	25
2023-03-11	25
2023-03-12	25
2023-03-13	25
2023-03-14	25
2023-03-15	25
2023-03-16	25
2023-03-17	25
2023-03-18	25
2023-03-19	25
2023-03-20	25
2023-03-21	25
2023-03-22	25
2023-03-23	25
2023-03-24	25
2023-03-25	25
2023-03-26	25
2023-03-27	25
2023-03-28	25
2023-03-29	25
2023-03-30	25
2023-03-31	25
2023-04-01	25
2023-04-02	25



Davis Vantage pro: ATM - 1

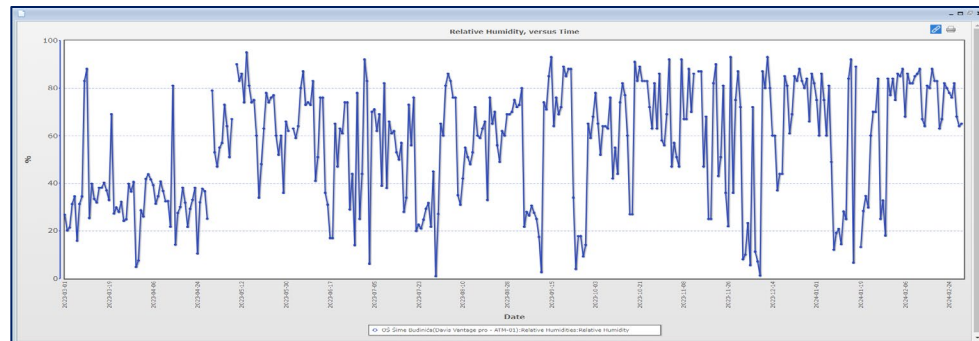
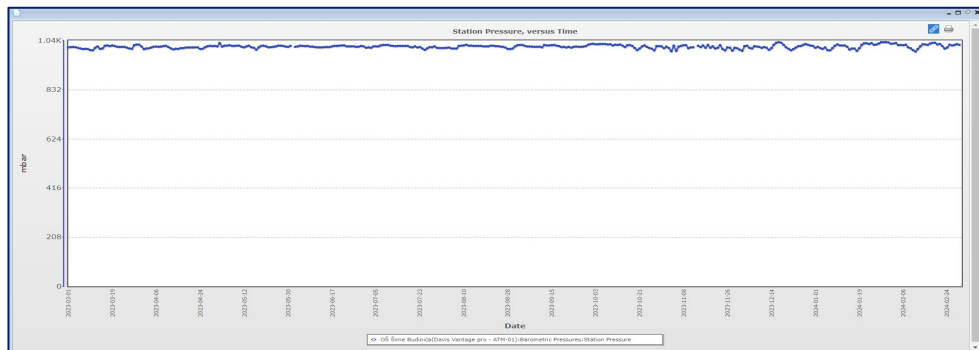
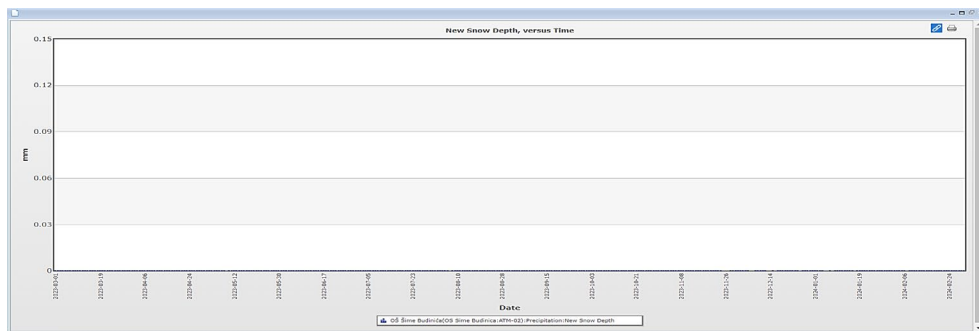
OS Sime Budinica: ATM - 2

Oborine (snijeg)



Tlak zraka

Vlažnost zraka







VODA

Osnovna mjerenja

Temperatura

pH

Dodatna mjerenja

Nitrati

Nitriti

Salinitet

Prozirnost

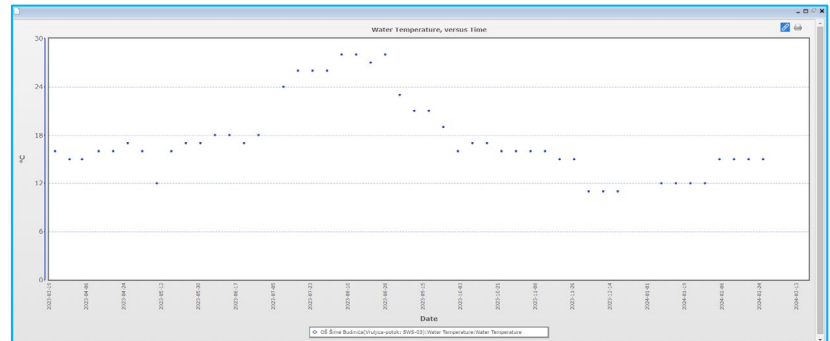
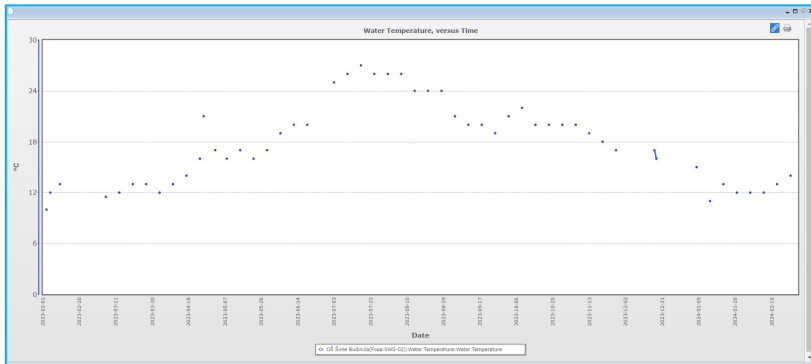
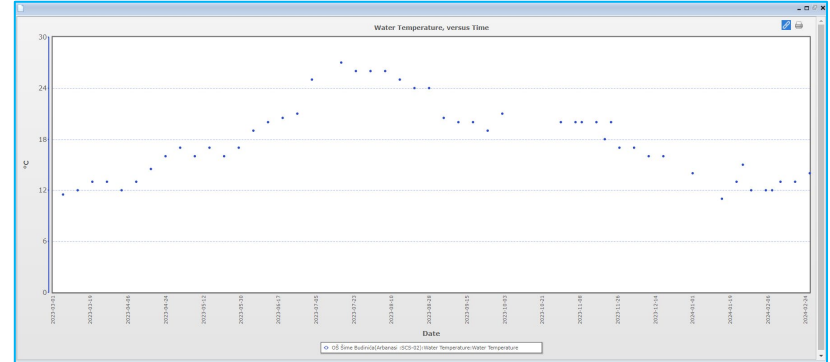
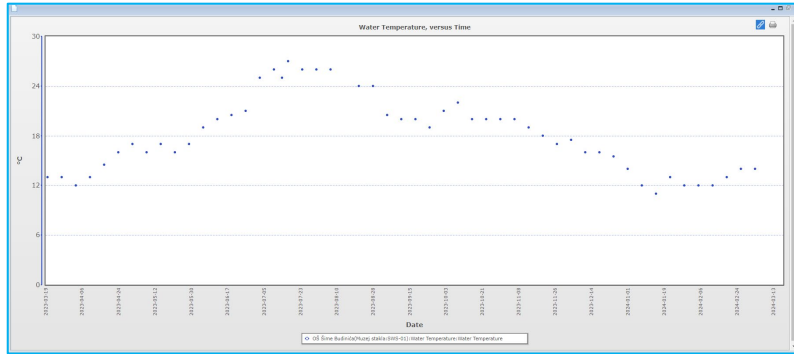
Kisik

Alkaliteti



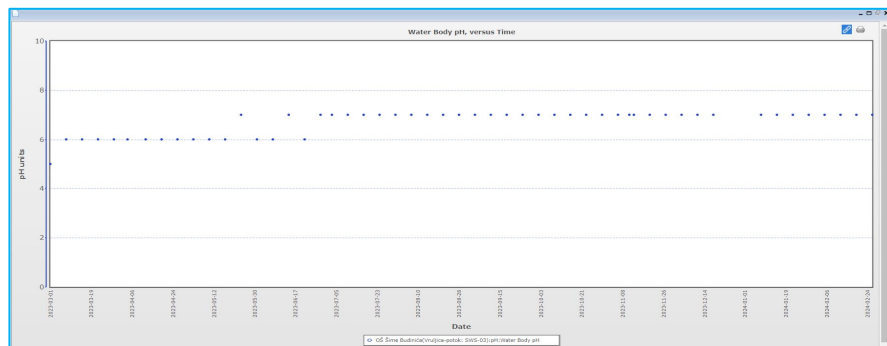
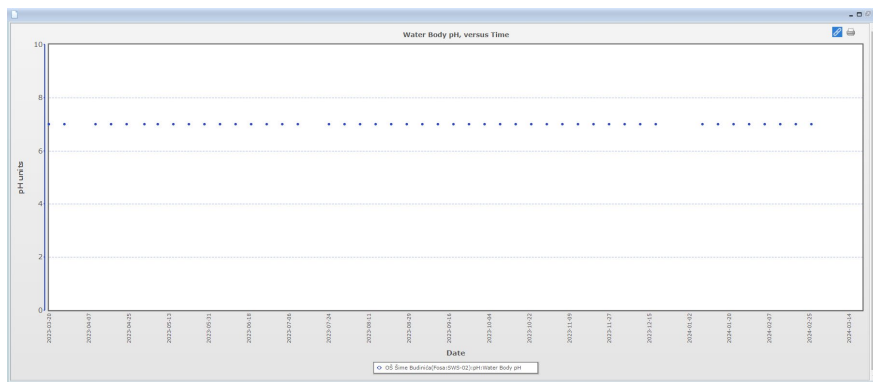
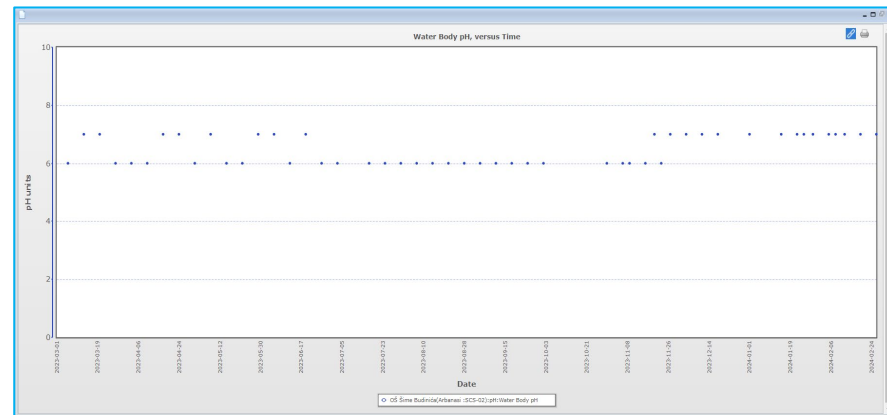
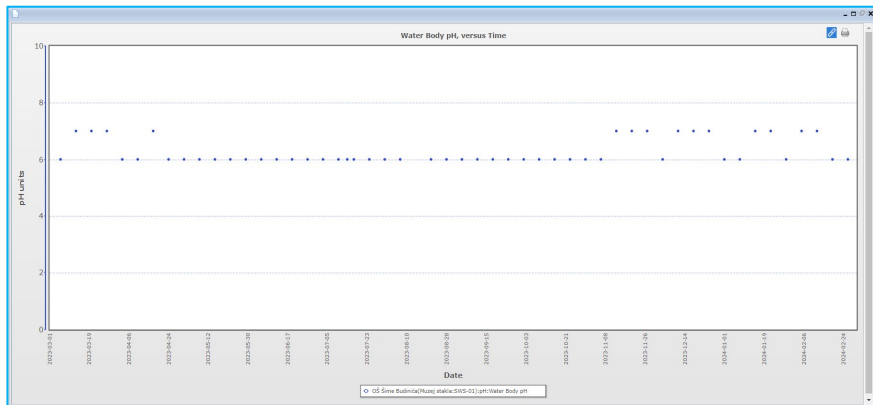
1. Temperatura vode

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



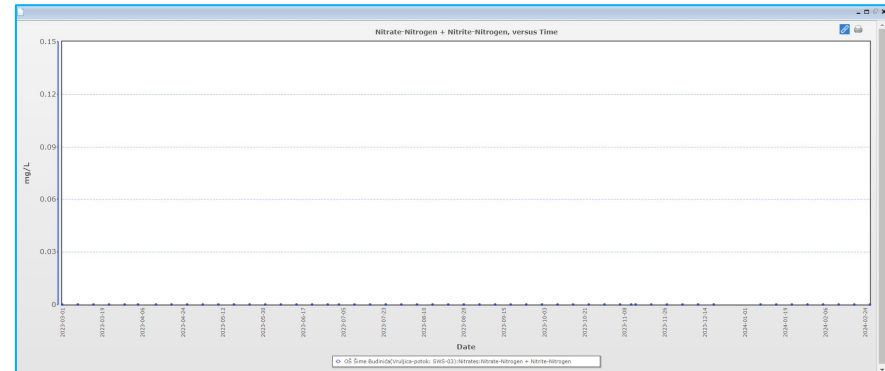
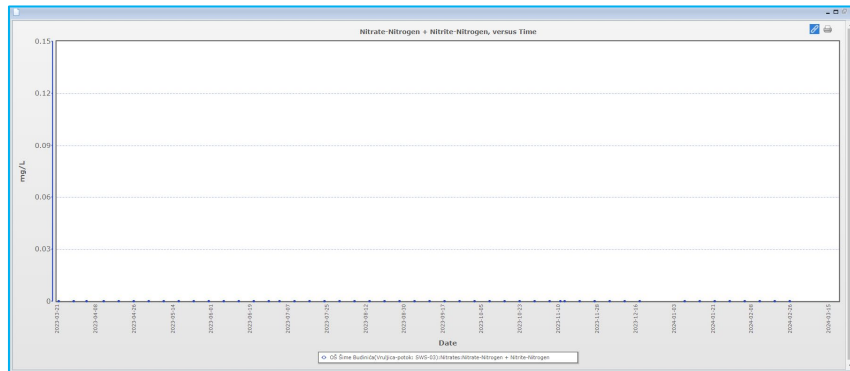
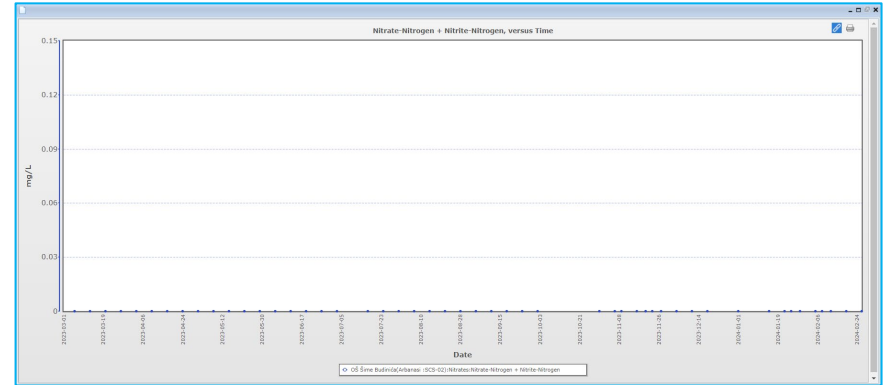
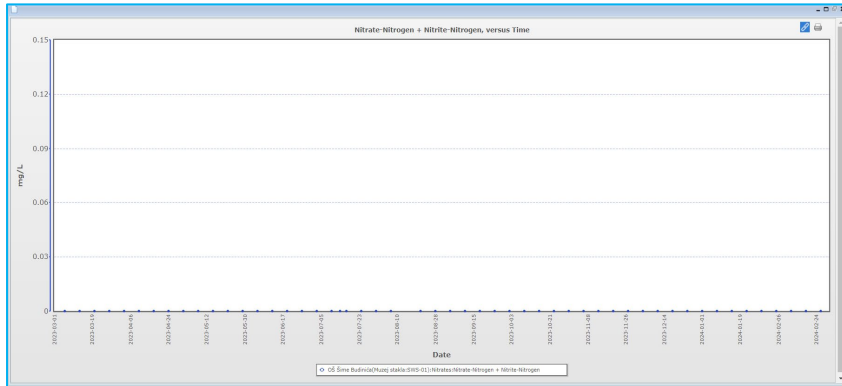
2. pH vode

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



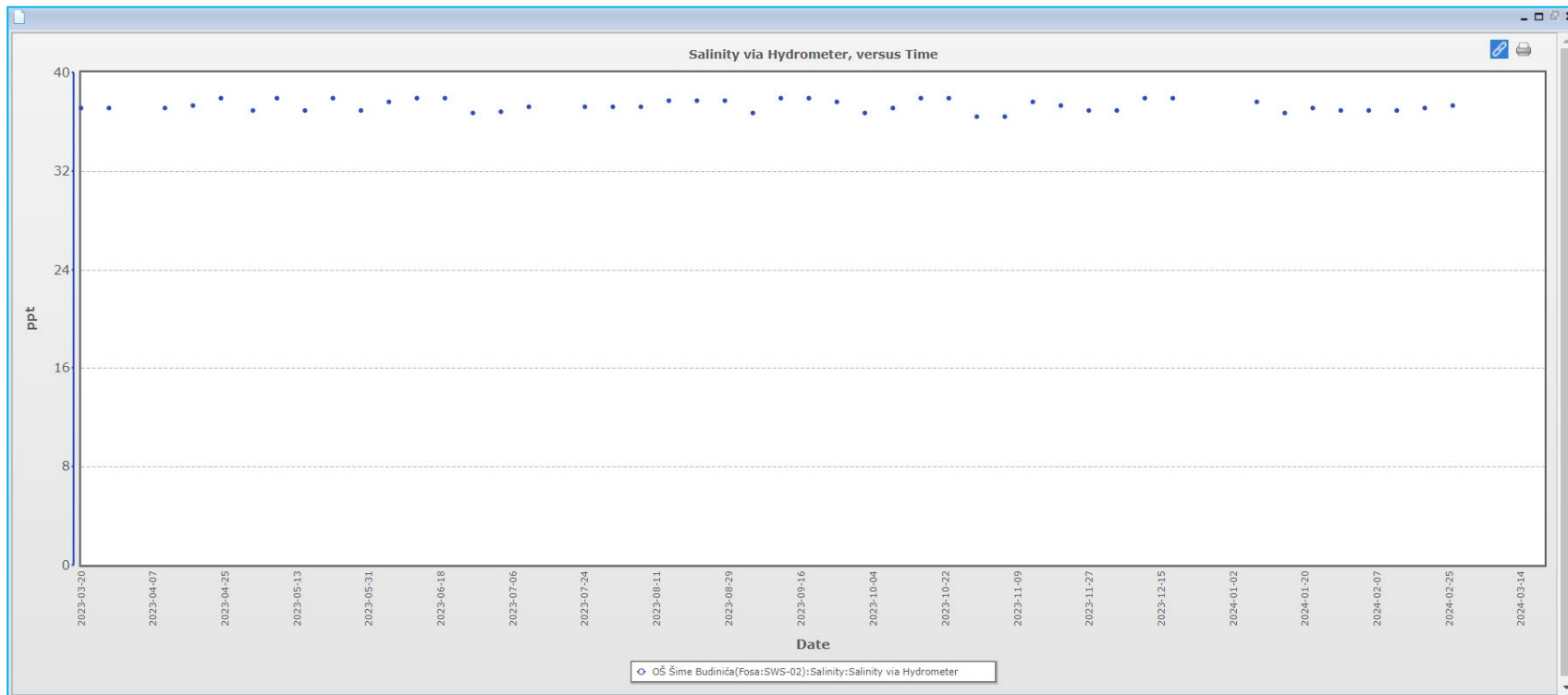
3. Nitrati - nitriti

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

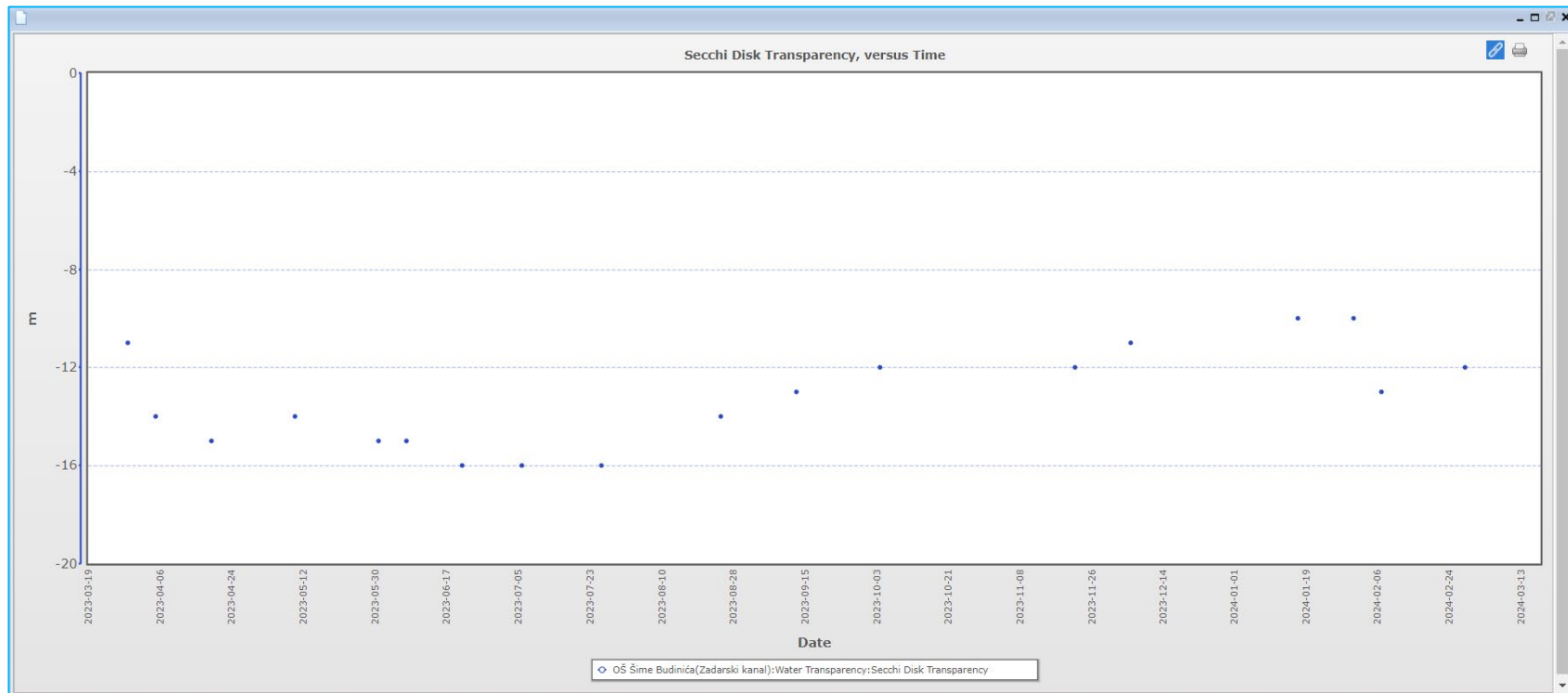


4. Salinitet vode

Fosa: SWS-02

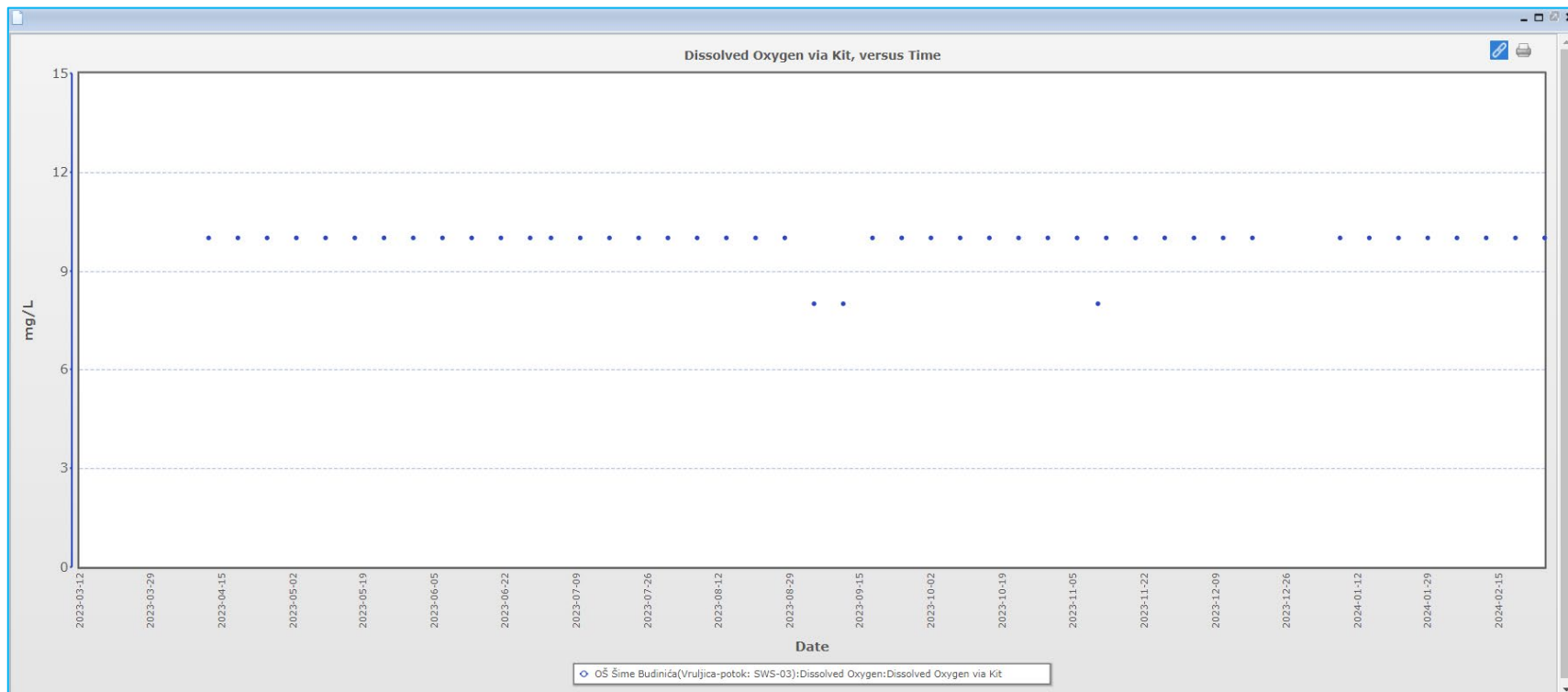


5. Prozirnost vode Zadarski kanal



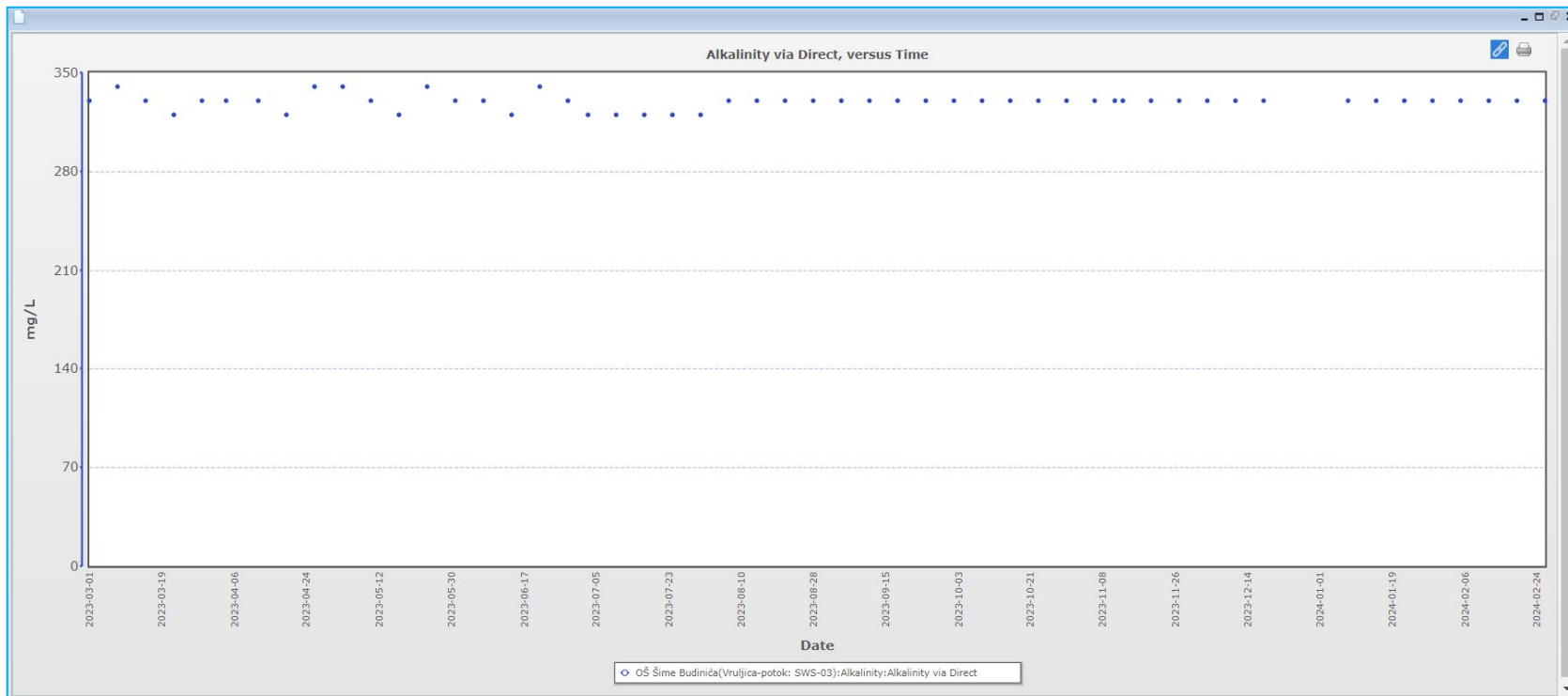
6. Kisik vode

Vruljica - potok: SWS - 03



7. Alkalitet vode

Vruljica - potok: SWS - 03







BIOMETRIJA



Površinska temperatura

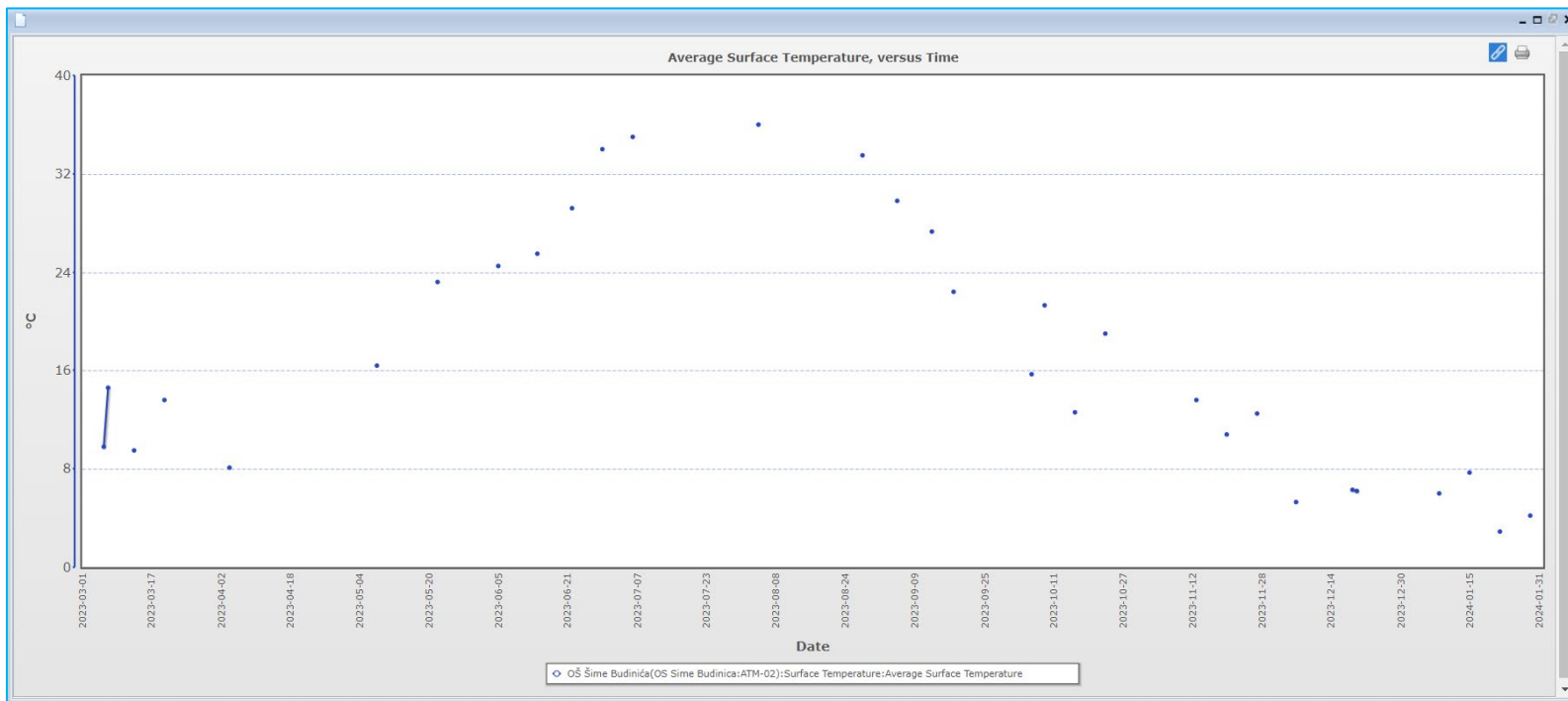
Pokrovnost

Visina i opseg stabla

Biomasa

Površinska temperatura (surface temperature)

OS Sime Budinica: ATM-02



VRULJICA park

Jesen - Proljeće (x2)

THE GLOBE PROGRAM SCIENCE Data Entry

Welcome Zrinka Klarin

Data Entry Home / OŠ Šime Budinića / Vruljica - Biometrija / Biometry

Past Observations for Biometry

From 2023-03-01 To 2024-03-20

Measured at time in UTC

ID	Timestamp	Action
1	2023-04-06 00:00 UTC	Delete
2	2024-02-05 00:00 UTC	Delete

Pokrovnost

School: OŠ Šime Budinića
Site: Vruljica - Biometrija

School: OŠ Šime Budinića
Site: Vruljica - Biometrija

School: OŠ Šime Budinića
Site: Vruljica - Biometrija

School: OŠ Šime Budinića
Site: Vruljica - Biometrija

School: OŠ Šime Budinića
Site: Vruljica - Biometrija

Measurements

Biosphere

Biometry - Tree Heights

Data Date Range: 2023-03-01 to 2024-03-20

Measurement: 1

Data Source: GLOBE Data Entry Web Forms
Measured At: 2023-04-06 00:00:00
Tree Height: 9.00 m
Circumference (cm): 70.00
Genus: Pinus
Species: halepensis
Mv Updated At: 2023-08-02 21:12:28.908234+00
Elevation: 10.00 m

Measurements

Biosphere

Biometry - Tree Heights

Data Date Range: 2023-03-01 to 2024-03-20

Measurement: 2

Data Source: GLOBE Data Entry Web Forms
Measured At: 2023-04-06 00:00:00
Tree Height: 11.00 m
Circumference (cm): 81.00
Genus: Pinus
Species: halepensis
Mv Updated At: 2023-08-02 21:12:28.908234+00
Elevation: 10.00 m

Measurements

Biosphere

Biometry - Tree Heights

Data Date Range: 2023-03-01 to 2024-03-20

Measurement: 3

Data Source: GLOBE Data Entry Web Forms
Measured At: 2023-04-06 00:00:00
Tree Height: 11.00 m
Circumference (cm): 91.00
Genus: Pinus
Species: halepensis
Mv Updated At: 2023-08-02 21:12:28.908234+00
Elevation: 10.00 m

Measurements

Biosphere

Biometry - Tree Heights

Data Date Range: 2023-03-01 to 2024-03-20

Measurement: 4

Data Source: GLOBE Data Entry Web Forms
Measured At: 2023-04-06 00:00:00
Tree Height: 15.00 m
Circumference (cm): 91.00
Genus: Pinus
Species: halepensis
Mv Updated At: 2023-08-02 21:12:28.908234+00
Elevation: 10.00 m

Measurements

Biosphere

Biometry - Tree Heights

Data Date Range: 2023-03-01 to 2024-03-20

Measurement: 5

Data Source: GLOBE Data Entry Web Forms
Measured At: 2023-04-06 00:00:00
Tree Height: 10.00 m
Circumference (cm): 70.00
Genus: Pinus
Species: halepensis
Mv Updated At: 2023-08-02 21:12:28.908234+00
Elevation: 10.00 m

THE GLOBE PROGRAM SCIENCE Data Entry

Welcome Zrinka Klarin

Data Entry Home / OŠ Šime Budinića / Vruljica - Biometrija / Biometry

Biometry Editing

Measured on date: 2024-02-05

Biometry

Canopy cover

Canopy Observations	Canopy Type
Tree (T): 38	Evergreen: 38
Shrub (SB): 0	Deciduous: 0
Total "-" observations (no vegetation): 18	

Ground Cover

Ground Observations	Ground Type
Green (G): 50	Graminoid (GD): 56
Brown (B): 6	Forb (FB): 0
Total "-" observations (no vegetation): 0	Other Green (OG): 0
	Shrub (SB): 0
	Dwarf Shrub (DS): 0

Visina i opseg stabala

Graminoid Samples

Record Measurements For Up To Three Biomass Samples

Green Sample #1	Mass Of Sample And Bag 712 g	Mass Of Bag 0.9 g	Remove Sample
Brown Sample #1	Mass Of Sample And Bag 98 g	Mass Of Bag 0.9 g	Add Sample

Biomasa



Build a Clinometer

1. Pull a hoolster along through the circle in the center right corner.
2. Attach a weight to the bottom of the string.
3. Tape your string to the top of the slope.
4. Clip to a clipboard or rest against a hard surface.

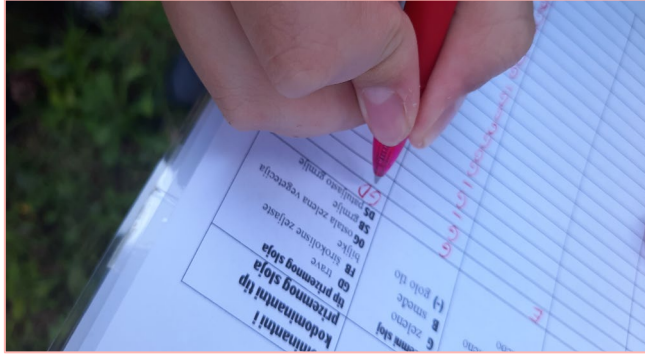
What is a clinometer?
A clinometer is used for measuring angles of incline or elevation. They measure the angle by comparing the height of an object and other objects.

Measuring tree height: Just one way that scientists study the forest of Strunč. Can it be a way using the paper clinometer.

Materials:

- String
- Paper
- Tape
- Hoolster
- Pen or pencil
- Hard surface (clipboard, book, cardboard)
- Weight (pencil, paper clip, metal washer)

obseverglab.gy





TLO



Osnovno mjerenje

temperatura tla

Dodatna mjerenja

vlaga

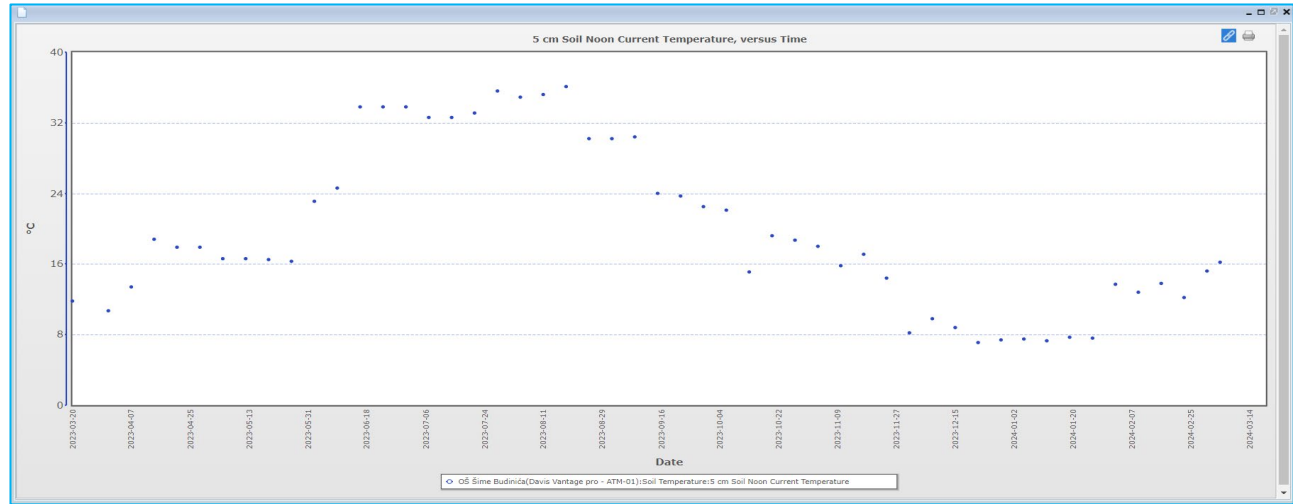
infiltracija tla

karakterizacija tla

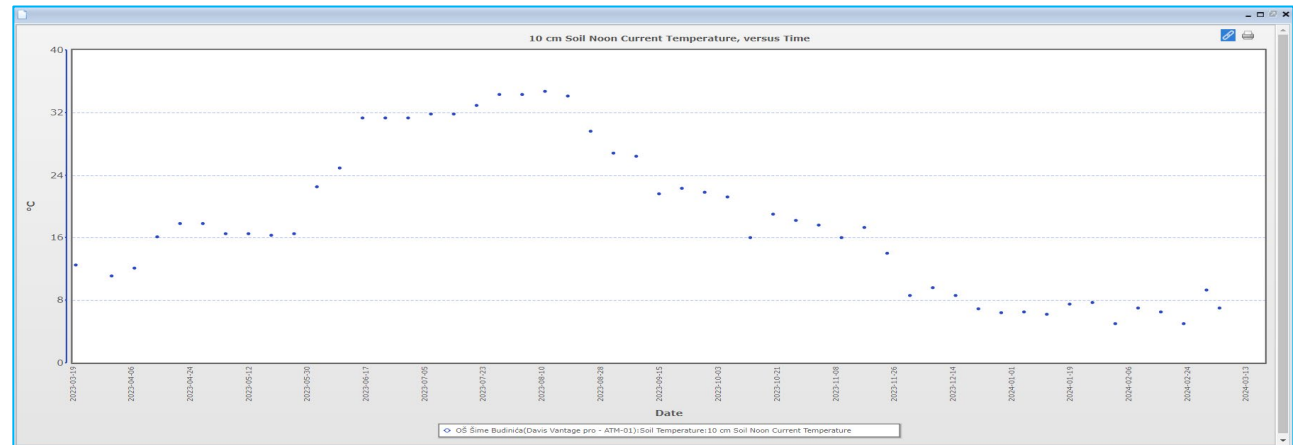
fertilitet tla (N,P,K)

Davis Vantage pro: ATM -1

Temperatura tla
5 cm

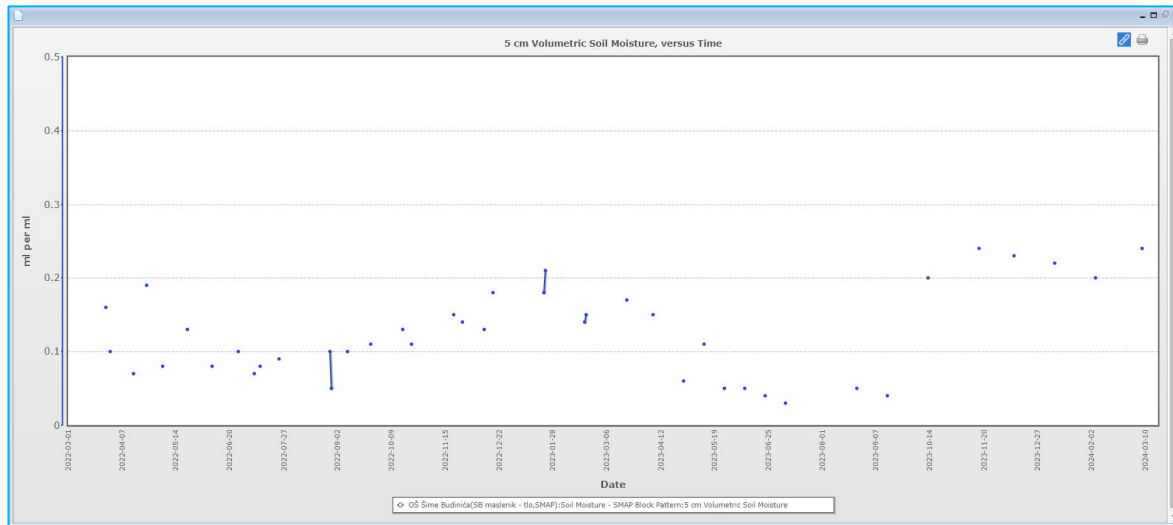


Temperatura tla
10 cm



SB maslenik – tlo

SMAP
Vlažnost tla



Infiltracija
tla

Soil Infiltration *Editing*

Measured on date
2024-02-26

1 Average Gravimetric Soil Moisture 0.10 g/g 2 Maximum Flow Rate 29 g/g 3 Minimum Flow Rate 29 g/g

Soil Infiltration Set 1

Water Level Change (Interval Depth) [Show More Info](#)

Height above Ground Level (Upper Mark) *
200 mm

Height above Ground Level (Lower Mark) *
190 mm

Diameter of the Inner Ring *
20 cm

Diameter of the Outer Ring *
23 cm

Saturated Soil Water Content (Below rings, 0-5 cm, at end of experiment)

Wet weight g *
240 g

Dry weight g *
221 g

Weight of can g *
28 g

Enter the sequence of times below related to a single continuous infiltration experiment


Sequence Number 1

Start Time *
00:00:50

End Time *
00:01:31

Fertilitet u tlu (N-dušik, P-fosfor, K-kalij)

Arbanasi – Karma 2024.


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


Measurements | Data Counts

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

Horizon:

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**
Potassium (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 2023-02-27

Horizon:

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**
Potassium (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 2023-02-27

Horizon:

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**
Potassium (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 2023-02-27

Horizon:

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**
Potassium (K): **low**
Elevation: **1.00 m**



Karakterizacija tla

Arbanasi – Karma 2024.

School: OS Sime Budinica [↗](#)

Site: Arbanasi - Karma 2023:SCS

Measurements

Data Counts

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

Horizon:

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**
Potassium (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 2023-02-27

Horizon:

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**
Potassium (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 2023-02-27

Horizon:

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**
Potassium (K): **unknown**
Elevation: **1.00 m**

School: OS Sime Budinica [↗](#)

Site: Arbanasi - Karma 2023:SCS

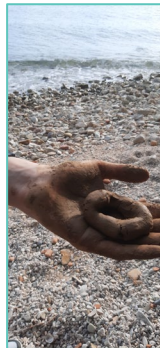
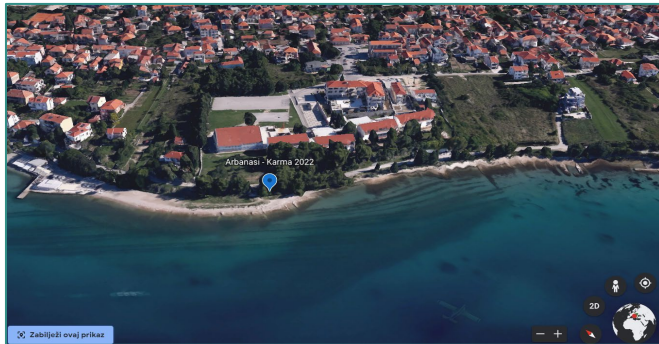
Measurements

Data Counts

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

Horizon:

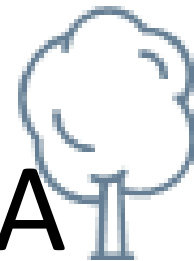
Horizon Number: **4**
Horizon Top Depth (cm): **85**
Horizon Number At Depth 90cm: **100 cm**
Collected On: **2023-02-27 00:00:00**
Moisture Estimate: **dry**
Soil Structure: **granular**
Soil Consistence: **firm**
Soil Color: **10YR:7/2**
Soil Texture: **clay loam**
Soil Rocks: **few**
Soil Roots: **none**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







FENOLOGIJA



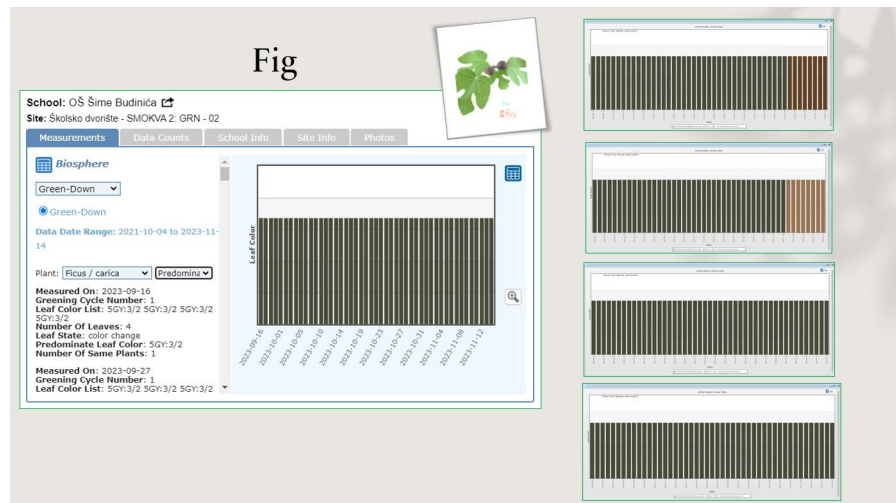
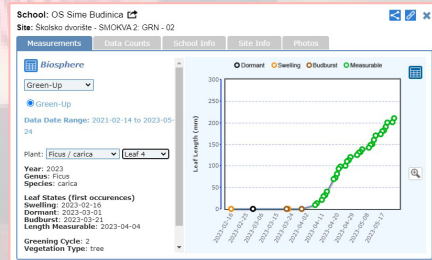
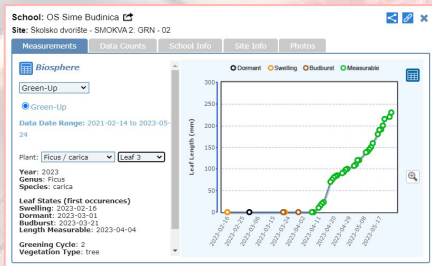
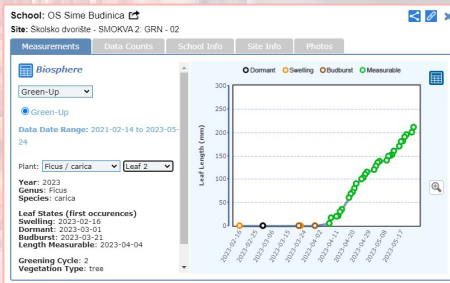
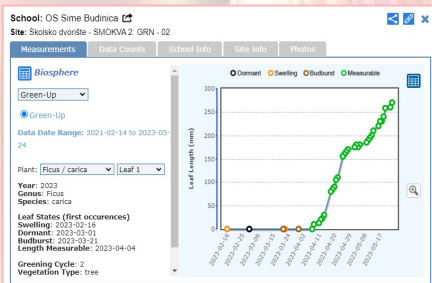
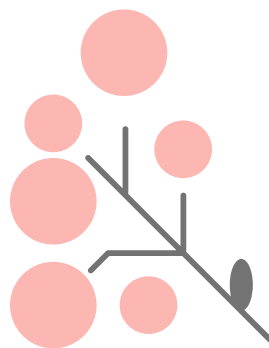
Osnovno mjerenje –
pupanje

Dodatna mjerenja –
listanje
žućenje

Smokva – 11. godina

Pupanje

Green Up - Green Down



Leaf 1, Leaf 2, Leaf 3, Leaf 4



Certificate of Appreciation

Elementary school Šime Budinića Zadar

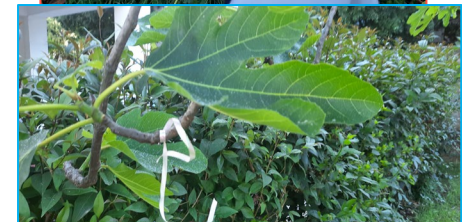
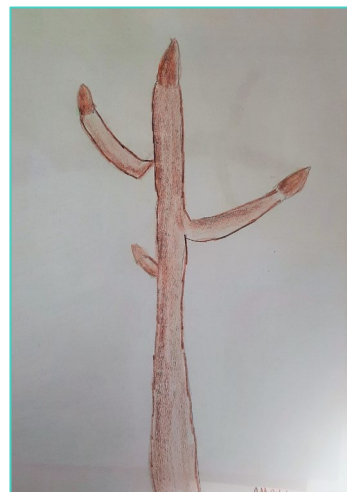
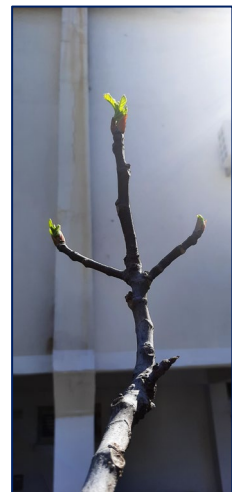
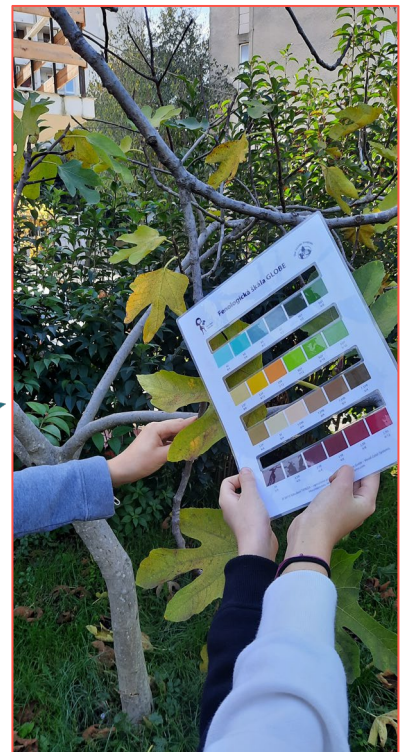
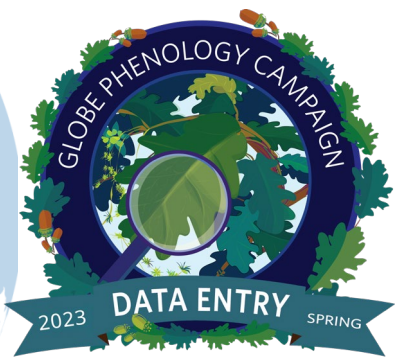
In recognition of your outstanding contribution - submitting a video for 2023 European Phenology Campaign webinar Our Spring with Trees

Tony P. Murphy
 Dr. Tony P. Murphy, Director
 GLOBE Implementation Office

Lenka Kleger
 Lenka Kleger
 GLOBE Europe and Eurasia Region Coordination Office

June 1, 2023
 Date

Sponsored by:  Supported by:    Implemented by: 

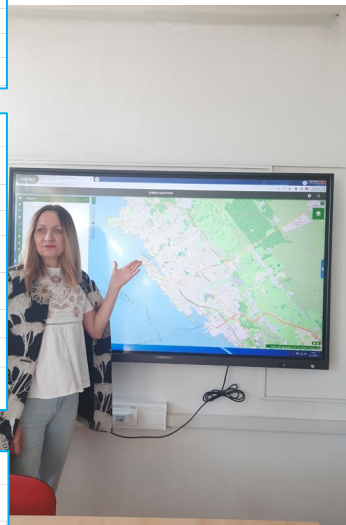


**GLOBE U
NASTAVI**

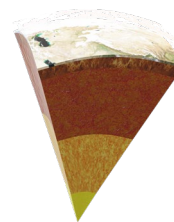
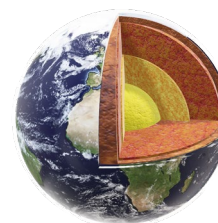
e-Dnevnik		Osnovna škola Šime Budinića Zadar		2023. / 2024.		6. e					
Imenik		Pregled rada		Dnevnik rada		Zapisnici		Izjave		Administracija	
9. radni tjedan ujutro		41. radni dan: 03.11.2023 - petak Dežurni učitelji: Mikiša Šestan i Irma Veronica		Sadržaj nastavnog sata							
0. sat											
1. sat		[40] Hrvatski jezik - S. Radon Dragocjena baština (Hrvatski jezik i komunikacija - vježba)									
2. sat		[32] Matematika - J. Glavač-Nikolić Vlakovi 2. tipa završja									
3. sat		[17] Geografija - Z. Klarin Karta RP - ostatak nastavnog sata (GLOBE)									
4. sat		[16] Tjelovna i zdravstvena kultura - R. Dujčić Vrbovo obilježje iz srednjeg doba (uključujući stana O)									
5. sat		[24] Engleski jezik I - A. Džajp Unit 2: My Place, Your Place. Lesson 6: Living With Pets (obrada)									
6. sat		[16] Vjeronauk - A. Žunec Rogić Bla je Cirva OS RV OE 1.									

Imenik		Pregled rada		Dnevnik rada		Zapisnici		Izjave		Administracija	
22. radni tjedan ujutro		103. radni dan: 14.02.2024 - srijeda Dežurni učitelji: Zorislav Šarjina i Stela Taras		Sadržaj nastavnog sata							
0. sat											
1. sat		[102] Hrvatski jezik Osnovna škola - nastavni program. Nastavni program za individualizirani pristup - M. Jurjenić Hrvatski jezik i komunikacija Lokativ (obrada)									
2. sat		[103] Hrvatski jezik Osnovna škola - nastavni program. Nastavni program za individualizirani pristup - M. Jurjenić Hrvatski jezik i komunikacija Lokativ (vježba)									
3. sat		[83] Matematika Osnovna škola - nastavni program. Nastavni program za individualizirani pristup - E. Agić Vježba									
4. sat		[40] Povijest Osnovna škola - nastavni program. Nastavni program za individualizirani pristup - I. Njč Troja									
5. sat		[3] Geografija Osnovna škola - nastavni program. Nastavni program za individualizirani pristup - Z. Klarin Ostali oblici reljefa - krš (GLOBE) - ostatak nastavnog sata (GLOBE)									

Imenik		Pregled rada		Dnevnik rada		Zapisnici		Izjave		Administracija	
21. radni tjedan ujutro		97. radni dan: 05.02.2024 - utorak Dežurni učitelji: Patar Žigo i Zeljko Žuđa		Sadržaj nastavnog sata							
0. sat											
1. sat		[38] Povijest Osnovna škola - nastavni program. Nastavni program za prilagođeno. Nastavni program za individualizirani pristup - I. Njč Velika progresta obilica									
2. sat		[77] Matematika Osnovna škola - nastavni program. Nastavni program za prilagođeno. Nastavni program za individualizirani pristup - J. Glavač-Nikolić Zbrajanje i oduzimanje radomaka									
3. sat		[19] Likovna kultura Osnovna škola - nastavni program. Nastavni program za prilagođeno. Nastavni program za individualizirani pristup - I. Ljehić Valentihovo									
4. sat		[20] Likovna kultura Osnovna škola - nastavni program. Nastavni program za prilagođeno. Nastavni program za individualizirani pristup - I. Ljehić Valentihovo									
5. sat		[41] Geografija Osnovna škola - nastavni program. Nastavni program za prilagođeno. Nastavni program za individualizirani pristup - Z. Klarin Ostali oblici reljefa - planine - podučavanje nastavnog sata (GLOBE)									



GLOBE u nastavi geografije učiteljica Zrinka Klarin



https://e-dnevnik.skole.hr/daybook/workday/50775558640

e-Dnevnik Osnovna škola Šime Bubi 2023. / 2024. 5 d A. Mustać ročnik

Inenik Pregled rada Dnevnik rada Zapisnici Izjave Izjave Administracija Pretraživanje

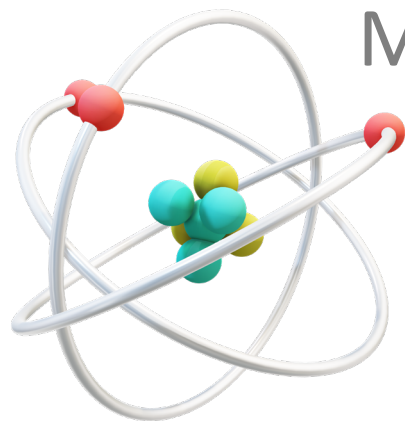
21. radni tjedan ujutro 97. radni dan: 06.02.2024 - utorak Dežurni učenic: Emily Lončar i Marko Matak Izostanci

Sat	Sadržaj nastavnog sata		Napomena
0. sat			
1. sat	<p>[Z9] Priroda Osnovna škola - redoviti program. Redoviti program uz individualizirani pristup - A. Mustać Životni uvjeti u vodi – sastav i svojstva vode - ponavljanje i vježbanje GLOBE</p> <p>Uredi Obrisi</p>		
2. sat			
3. sat			
4. sat			
5. sat			
6. sat			



GLOBE u nastavi prirode

učiteljica Anita
Mustać



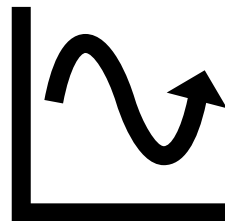
e-Dnevnik Osnovna škola Šime Budinić 2020. / 2021. 7. a I. Matulić školski osimnik

Imenik Pregled rada Dnevnik rada Zapisnici Izvještaji Administracija Pretraživanje

RADNI SATI PO PREDMETU - INFORMATIKA (IZBORNI)
 (00100) Osnovna škola - redovni program
 (00665) Redovni program sa prilagodbom

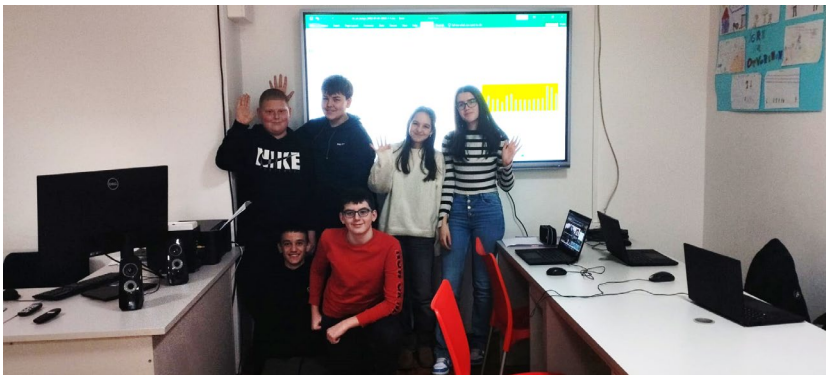
Izvoz

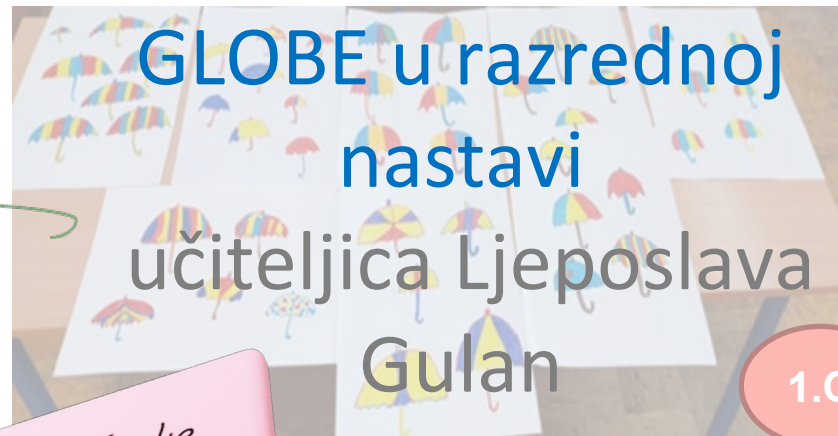
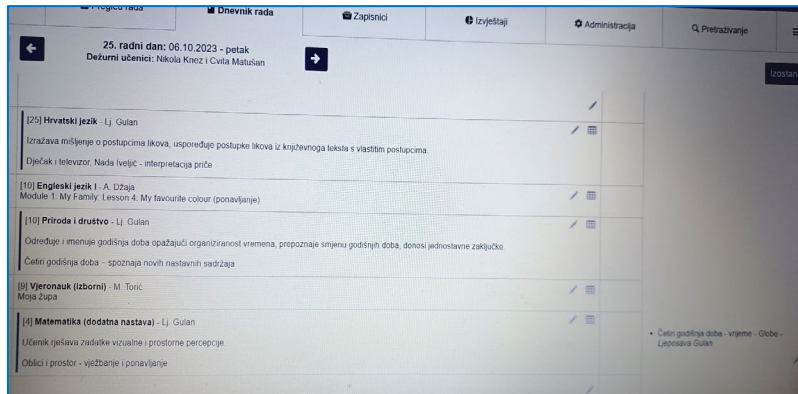
Red. br.	Datum	Tip nastave	Učitelj	Opis nastave	Prilaz	Učitelj	Prilaz	Učitelj
12	26.10.2020.	6. sat	Irena Matulić	Uređivanje tablice	26.10.2020. 12:15:21	I. Matulić		
13	26.10.2020.	7. sat	Irena Matulić	Uređivanje tablice	26.10.2020. 12:15:21	I. Matulić		
14	09.11.2020.	6. sat	Irena Matulić	Osnovne funkcije 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



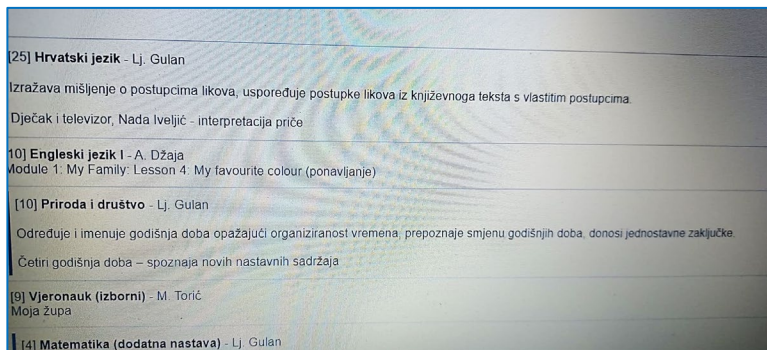
GLOBE u nastavi informatike

učiteljica Irena Matulić





1.C



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



MMPT MICROPLASTICS MONITORING PROGRAM

GLOBE Science Market, October 18
Microplastics Monitoring Workshop,
October 19

GLOBE COMMUNITY MEETING FOR EUROPE AND EURASIA
Riga, Latvia, October 18-20 2023

Certificate of Appreciation
Special Mention
Prof. Zrinka Klarin
Elementary school Sime Budinica Zadar, Croatia
In recognition of your outstanding contribution to the Science – Monitor and Eliminate Microplastics and for raising awareness of the microplastics problem in the GLOBE community

LABETI, CIRA, R. IANITTO, COLORE, GLOBE ITALIA, SQUINZI, COLORE



THE GLOBE PROGRAM
Real Learning and Realization in Quality Education

Certificate of Participation

Zrinka Klarin
2023 GLOBE Regional Meeting of Europe and Eurasia
October 16-20, 2023

Prof. Zrinka Klarin
Elementary School Sime Budinica Zadar, Croatia

Prof. Zrinka Klarin
Elementary School Sime Budinica Zadar, Croatia

October 17, 2023

Supported by UNICEF, UNESCO, IAEA, and other partners.

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

INTERNATIONAL VIRTUAL WORLD WATER DAY

22.3.2023.

*Microplastics in the sea
under magnification*

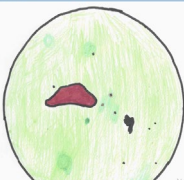
Međunarodna konferencija



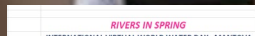
Certificate of Appreciation
In recognition of your outstanding contribution
Zrinka Klarin (GLOBE Teacher)
Elementary School Šime Budinića Zadar, Croatia
at the Virtual International
World Water Day 2023 in Mantova (Italy)

Sandro Sutti
LABITB-CREA School Coord.
GLOBE Teacher Co-ord.

Lorella Aligome
GLOBE Teacher Co-ord.
GLOBE Teacher Co-ord.



Mariakristina
Bukurović



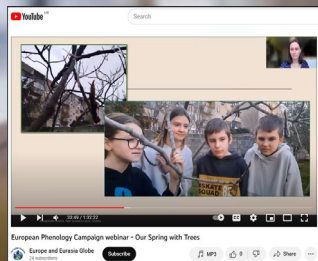
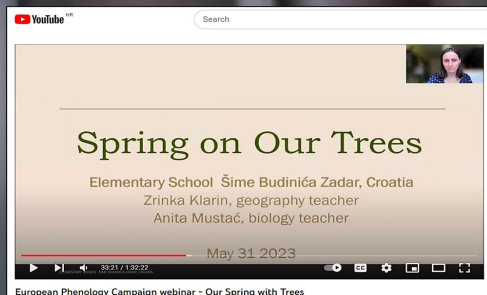
RIVERS IN SPRING
INTERNATIONAL VIRTUAL WORLD WATER DAY - MANTOVA
22-24.3.2023
9:30 - 12:00 CET

AGENDA

TIME	TOPIC	HOSTS
9:30 - 10:00	Registration and Welcome	IFM, GLOBE Teacher
10:00 - 10:30	Introduction to the Virtual International World Water Day 2023	IFM, GLOBE Teacher
10:30 - 11:00	Microplastics in the Sea	IFM, GLOBE Teacher
11:00 - 11:30	Water Quality and Pollution	IFM, GLOBE Teacher
11:30 - 12:00	Water Conservation and Sustainable Use	IFM, GLOBE Teacher
12:00 - 12:30	Water and Energy	IFM, GLOBE Teacher
12:30 - 13:00	Water and Health	IFM, GLOBE Teacher
13:00 - 13:30	Water and the Environment	IFM, GLOBE Teacher
13:30 - 14:00	Water and the Future	IFM, GLOBE Teacher
14:00 - 14:30	Water and the World	IFM, GLOBE Teacher
14:30 - 15:00	Water and the Universe	IFM, GLOBE Teacher
15:00 - 15:30	Water and the Cosmos	IFM, GLOBE Teacher
15:30 - 16:00	Water and the Earth	IFM, GLOBE Teacher
16:00 - 16:30	Water and the Ocean	IFM, GLOBE Teacher
16:30 - 17:00	Water and the Atmosphere	IFM, GLOBE Teacher
17:00 - 17:30	Water and the Land	IFM, GLOBE Teacher
17:30 - 18:00	Water and the Sky	IFM, GLOBE Teacher
18:00 - 18:30	Water and the Stars	IFM, GLOBE Teacher
18:30 - 19:00	Water and the Planets	IFM, GLOBE Teacher
19:00 - 19:30	Water and the Galaxies	IFM, GLOBE Teacher
19:30 - 20:00	Water and the Universe	IFM, GLOBE Teacher
20:00 - 20:30	Water and the Cosmos	IFM, GLOBE Teacher
20:30 - 21:00	Water and the Earth	IFM, GLOBE Teacher
21:00 - 21:30	Water and the Ocean	IFM, GLOBE Teacher
21:30 - 22:00	Water and the Atmosphere	IFM, GLOBE Teacher
22:00 - 22:30	Water and the Land	IFM, GLOBE Teacher
22:30 - 23:00	Water and the Sky	IFM, GLOBE Teacher
23:00 - 23:30	Water and the Stars	IFM, GLOBE Teacher
23:30 - 24:00	Water and the Planets	IFM, GLOBE Teacher
24:00 - 24:30	Water and the Galaxies	IFM, GLOBE Teacher
24:30 - 25:00	Water and the Universe	IFM, GLOBE Teacher

<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



KONFERENCIJA HRVATSKA

<https://www.youtube.com/watch?v=DlBNxu3zPgQ&t=35s>

Home > Marile Colon Robles > Collaboration

Share

Collaboration

REMOVE FRIEND SEND EMAIL

Friends Map

Karta Satelit

Friend: Zrinka Klarin
Organization: OS Šime Budinica

1. NASA GLOBE CLOUD CAMPAIGN

GLOBE kampanja

OŠ Šime Budinića, 2023.

NASA Cloud Observation and Satellite Match			
Satellite	Observation	Match	Time
Universal Cloud Type (2024-01-20)	10:10	10:10	10:10
Latitude Range	43.8 to 44.42	43.74 to 44.54	Latitude: 44.171700
Longitude Range	14.520 to 15.51	14.57 to 15.57	Longitude: 15.020000
Total Cloud Cover	Isolated 21.63%	Isolated 19.61%	Transmittance 95.36%
Terra	Cloud Cover	No Clouds	Pass 11.15%
	Cloud Amount		1.52 (0m)
	Cloud Phase		Cloud 214.3 (0)
	Cloud Opacity		Transmittance
MODIS	Cloud Cover	Pass 11.67%	Isolated 14.16%
	Cloud Amount	1.60 (0m)	1.52 (0m)
	Cloud Phase	Cloud 207 (0)	Cloud 214.3 (0)
	Cloud Opacity	Transmittance	Transmittance
VIIRS	Cloud Cover	Isolated 16.22%	Pass 11.15%
	Cloud Amount	1.12 (0m)	1.52 (0m)
	Cloud Phase	Cloud 207 (0)	Cloud 214.3 (0)
	Cloud Opacity	Transmittance	Transmittance
GOES-16	Cloud Cover	Isolated 16.22%	Pass 11.15%
	Cloud Amount	1.12 (0m)	1.52 (0m)
GOES-17	Cloud Cover	Isolated 16.22%	Pass 11.15%
	Cloud Amount	1.12 (0m)	1.52 (0m)
Corresponding NASA Satellite Images			Surface Conditions Snow/ice: No Standing Water: No Health: Yes Dry Ground: No Labeled on Trop: No Standing or Streaming: No

GLOBE Cloud Satellite Match Email

LaRC-GLOBE-Clouds@mail.nasa.gov

prima ja, LaRC-GLOBE-Clouds

Prijevod na hrvatski

Dear Zrinka Klarin,

The December/January/February 2023-2024 [NASA GLOBE Clouds Quarterly Update](#) is now available!

Thank you for your NASA GLOBE cloud observation! The NASA GLOBE Clouds Team matched your cloud observation with corresponding satellite data. The satellite match is based on the time and location of your cloud report. You can learn more about how to understand your satellite match at [GLOBE Clouds Satellite Comparison](#). The link(s) below show your data. Satellite name(s) displayed list the satellites matched to.

[Measurement 2024-01-20 10:00:00 Terra](#)
[Measurement 2024-02-11 10:00:00 Terra](#)



Community Members

Open Filter by

1 out of 207 community members

Zrinka klarin
Geography teacher,
GLOBE trainer
OS Šime Budinića

* Not on map, no lat/long

Elementary school Šime Budinić Zadar, Croatia - Our fig - Spring 2023.

Zrinka Klarin, modified 4 Months ago.
Published - Photos: 13 Join Date: 9/30/12 Q Recent Posts

Greetings from Šime Budinić Elementary School Zadar. We continue measuring our fig tree (ficus carica) in the school yard. Activity 2

Green-down
Green-down is the number of days that the leaves of a tree are green and visible from the ground. It is a measure of the length of the growing season. The longer the green-down, the longer the growing season. Green-down is measured by counting the number of days that the leaves are green and visible from the ground. The number of days is recorded in a table.

Year	Start Date	End Date	Green-down
2013	03/15	10/15	274
2014	03/15	10/15	274
2015	03/15	10/15	274
2016	03/15	10/15	274
2017	03/15	10/15	274
2018	03/15	10/15	274
2019	03/15	10/15	274
2020	03/15	10/15	274
2021	03/15	10/15	274
2022	03/15	10/15	274
2023	03/15	10/15	274

2. EUROPEAN PHENOLOGY CAMPAIGN

OŠ Šime Budinića, 2023.

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



CAMPAIGN TEAM
 Brian Campbell - Lead
 Peder Nelson - Co-Lead
 Dorian Janney - Collaborator, GPM Mission
 Peter Falcon - Collaborator
 Christopher Shuman - Collaborator, ICESat-2 Mission and Subject Matter Expert (SME)

Leave Community

Community Members Filter by

Karta **Satelit** 1 out of 82 community members

Zrinka Klarin
 GLOBE teacher
 OŠ Šime Budinića

* Not on map, no lat/long


Google Podaci karti ©2020 Ukloni priložena usluga

3. TREES AROUND THE GLOBE CAMPAIGN

OŠ Šime Budinića, 2023.



School: OŠ Šime Budinića	School: OŠ Šime Budinića	School: OŠ Šime Budinića	School: OŠ Šime Budinića	School: OŠ Šime Budinića
Site: Vruljica - Biometrija	Site: Vruljica - Biometrija	Site: Vruljica - Biometrija	Site: Vruljica - Biometrija	Site: Vruljica - Biometrija
Measurements	Measurements	Measurements	Measurements	Measurements
Biosphere	Biosphere	Biosphere	Biosphere	Biosphere
Biometry - Tree Heights	Biometry - Tree Heights	Biometry - Tree Heights	Biometry - Tree Heights	Biometry - Tree Heights
Data Date Range: 2015-0	Data Date Range: 2015-01	Data Date Range: 201	Data Date Range: 2015-01-26	Data Date Range: 2015-01-26 to 2023-04-06
Measurement: 1	Measurement: 2	Measurement: 3	Measurement: 4	Measurement: 5
Data Source: GLOBE Data Measured At: 2020-01-03 Tree Height: 9.00 m Circumference (cm): 71.00 Genus: Pinus Species: halepensis Mv Updated At: 2023-08-02 21:12:28.908234+00 Elevation: 10.00 m	Data Source: GLOBE Data E Measured At: 2020-01-03 0 Tree Height: 11.00 m Circumference (cm): 80.00 Genus: Pinus Species: halepensis Mv Updated At: 2023-08-02 21:12:28.908234+00 Elevation: 10.00 m	Data Source: GLOBE D Measured At: 2020-01-03 00 Tree Height: 11.00 m Circumference (cm): 73 Genus: Pinus Species: halepensis Mv Updated At: 2023-0 21:12:28.908234+00 Elevation: 10.00 m	Data Source: GLOBE Data Ent Measured At: 2020-01-03 00:00 Tree Height: 15.00 m Circumference (cm): 91.00 Genus: Pinus Species: halepensis Mv Updated At: 2023-08-02 21:12:28.908234+00 Elevation: 10.00 m	Data Source: GLOBE Data Entry Web Forms Measured At: 2020-01-03 00:00:00 Tree Height: 10.00 m Circumference (cm): 70.00 Genus: Pinus Species: halepensis Mv Updated At: 2023-08-02 21:12:28.908234+00 Elevation: 10.00 m



Welcome to GLOBE Mission EARTH's

URBAN HEAT ISLAND EFFECT (UHIE) PAGE FOR STUDENTS!

Help Dr. C by collecting Surface Temperature data near you, wherever you are in the world!

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

Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
		X		X			X				

Surface Temperature Field Campaign

4.URBAN HEAT ISLAND EFFECT (UHIE) GLOBE CAMPAIGN

OŠ Šime Budinića, 2023.

Urban Heat Island Effect-Surface Temperature Field Campaign Community

Welcome to the Urban Heat Island Effect-Surface Temperature Field Campaign community where you can share ideas, upload documents and post questions.


If you join this Community as a member, you will receive an email from other members who post to the forum, and your posts will be sent to everyone, so join up and start posting!

[Leave Community](#)

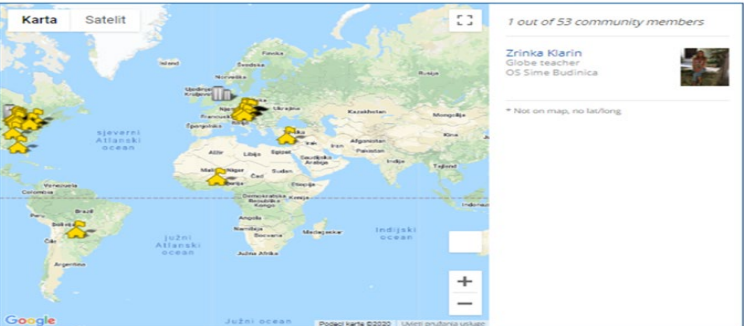
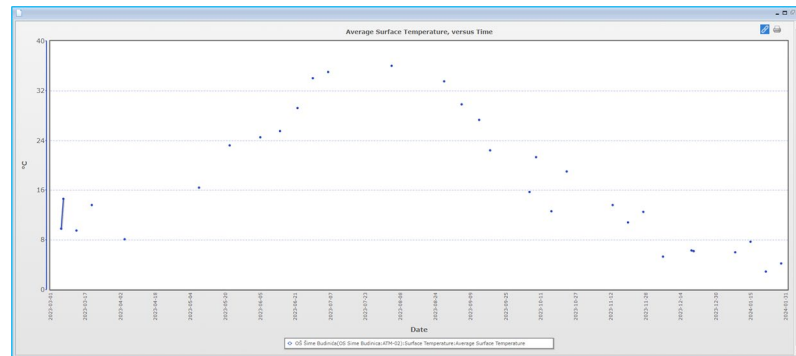
Community Members Filter by

1 out of 53 community members

Zrnika Klarin
Globe teacher
OŠ Šime Budinića



Not on map, no location

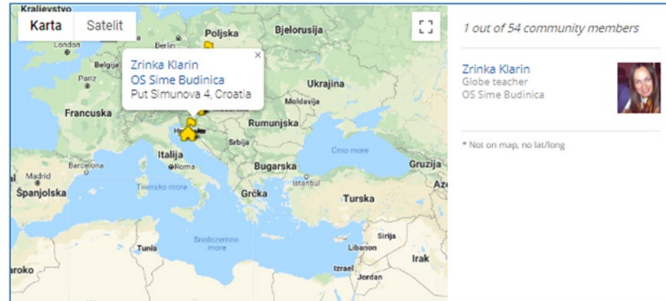
GPM Community

Welcome to the GPM community where you can share ideas, upload documents and post questions. If you join this community as a member, you will receive an email from other members who post to the forum, and your posts will be sent to everyone, so join up and start posting!

 Leave Community

Community Members

Filter by



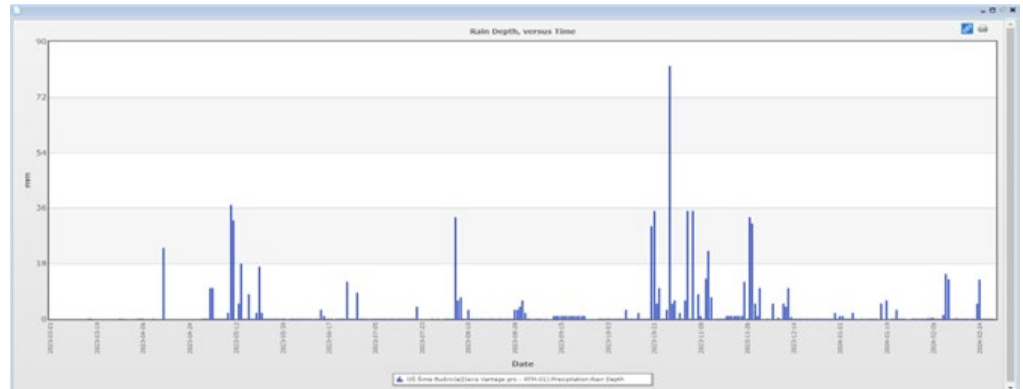
5. GPM GLOBE CAMPAIGN OŠ Šime Budinića, 2023.

Precipitation and Applications Viewer

This page is a demonstration of the [GPM Precipitation](#) and Applications Publisher API.

To learn how to use the API for your own applications, please visit:

- <https://gpmppublisher.gps.woods.nasa.gov/>
- <https://gpmppublisher.gps.woods.nasa.gov/docs>



Hvala za pozornost!

GLOBE 2024.
The Global Learning and Observations to Benefit the Environment

