Agencija za odgoj i obrazovanje

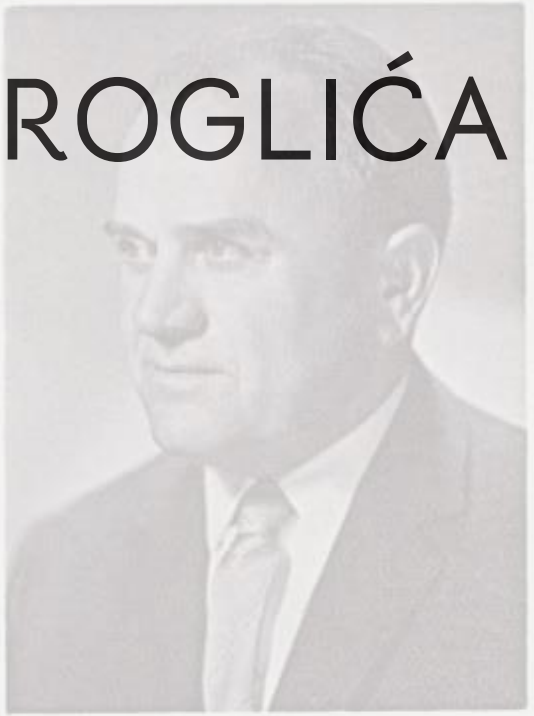
Sveučilište u Zadru
Universitas Studiorum
Jadertina | 1396 | 2002 |

GRAD ZADAR

17. SEMINAR JOSIPA ROGLIĆA

Darovitost i daroviti učenici u nastavi Geografije

5. travnja 2024.



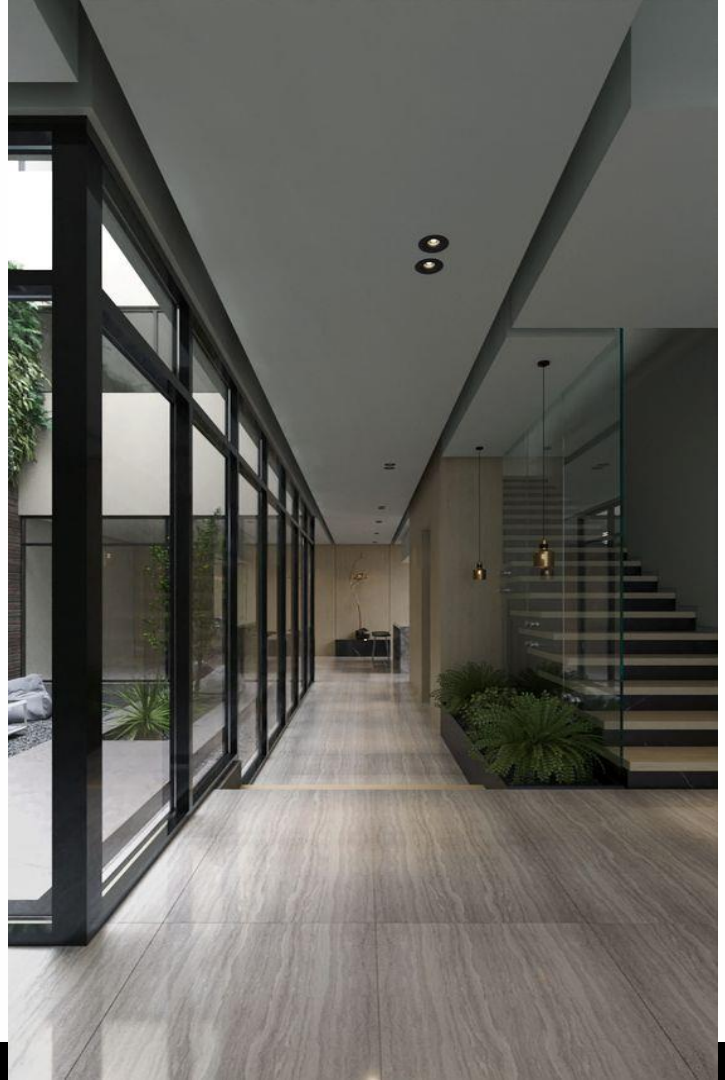
GLOBE razvojni centar

Zrinka Klarin, prof. geografije, GLOBE trener
Tamara Valčić, mag. ing. brodogradnje

REPUBLIKA HRVATSKA
Ministarstvo znanosti i obrazovanja

Javni poziv

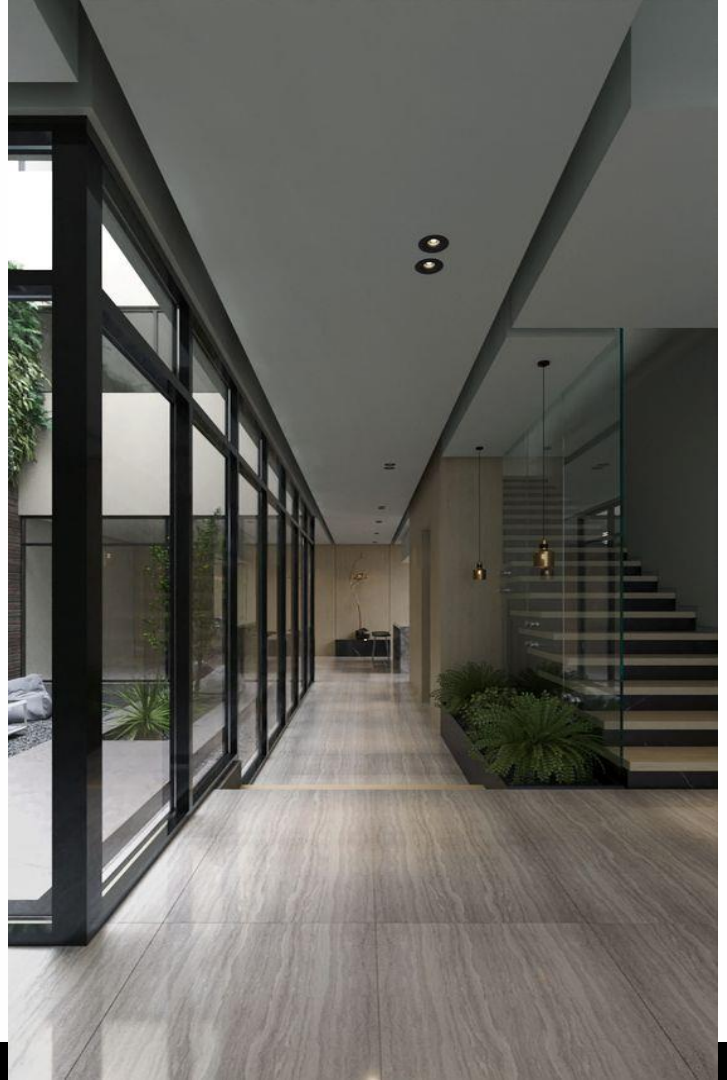
- sufinanciranje projekata rada s darovitim učenicima
- osnovne i srednje škole u školskoj godini 2023. / 2024.



REPUBLIKA HRVATSKA
Ministarstvo znanosti i obrazovanja

Cilj je poticanje aktivnog učenja te razvoj viših razina kognitivnih procesa, mašte, kreativnosti…

- *Korelacijsko – integracijski pristup*
- *Produbljivanje sadržaja ovisno o interesima učenika*
- *Osmišljavanje i provedbu složenijih aktivnosti*
- *Osiguravanje e-učenja*
- *Suradnja s znanstvenim institucijama i centrima…*



Voditeljice projekta

Tamara Valčić

mag. ing. brodogradnje,
učiteljici tehničke kulture,
učitelj savjetnik

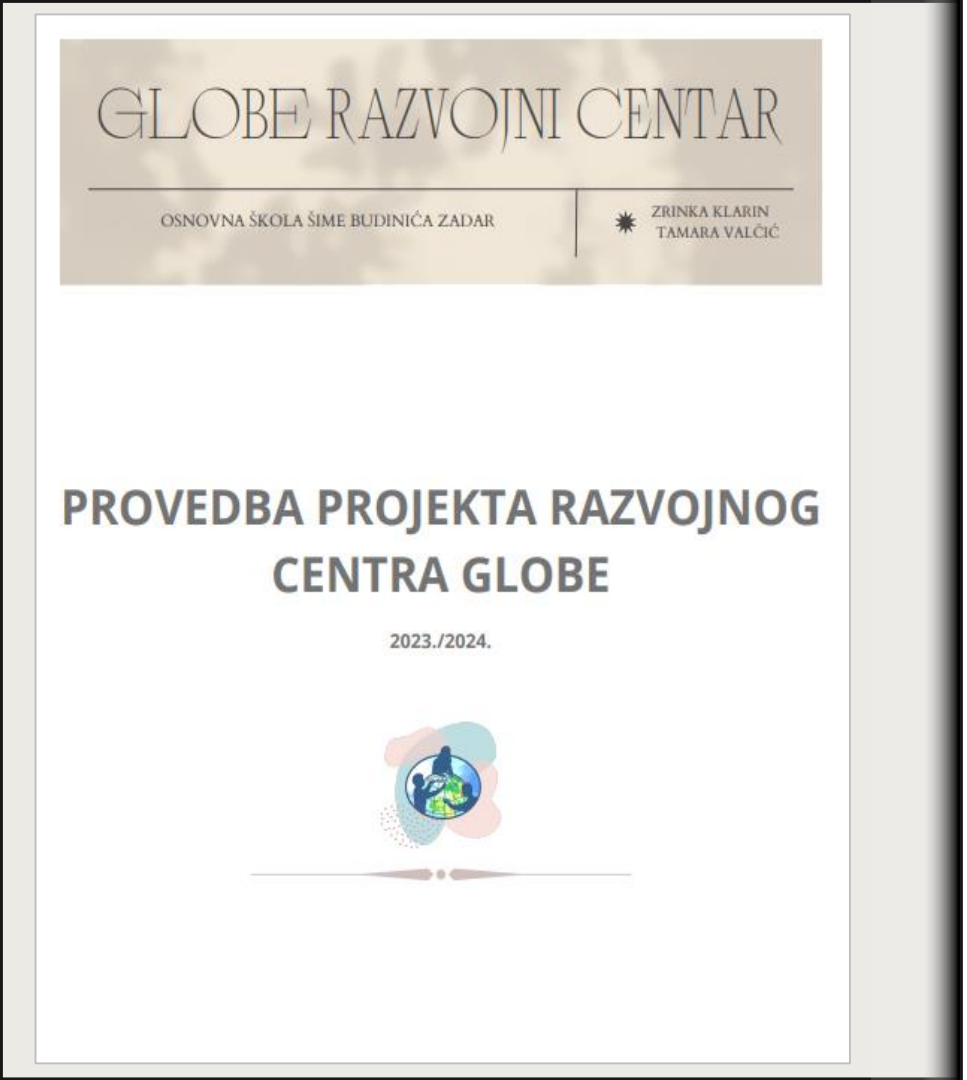
„Razvojni centar GLOBE”

Zrinka Klarin

prof. geografije i
sociologije
učiteljica geografije,
GLOBE trener,
učitelj savjetnik


THE GLOBE PROGRAM
A Worldwide Science and Education Program
About / Join
Training
Do GLOBE
GLOBE Data
Community
News and Events
Support
Home > Europe and Eurasia > Croatia > OŠ Šime Budinića
Share
OŠ Šime Budinića
Leave School
Country: Croatia
School Type: Public
Grade Level: Primary: K-6; Secondary: 7-12
Referral Code: HRHRGZQ5
About / Join
Training
Do GLOBE
GLOBE Data
Community
News and Events
Support
Home > Zrinka Klarin
Share
Zrinka Klarin
Collaboration
Blog
Member Activities
Zrinka Klarin
Geography teacher, GLOBE trainer
OŠ Šime Budinića
Change
Delete
My Observations
Read More


OŠ Šime
Budinića
Zadar
GLOBE škola



Dokument aktivnosti projekta

„Razvojni centar GLOBE”

Cilj projekta

Potaknuti darovite učenike da se educiraju o dizajniranju i dokumentiranju te izradi tehničke tvorevine.
Povećanje svijesti učenika o klimi, važnosti očuvanja okoliša i klimatskim promjenama te ulogama koje svaki pojedinac može imati u tom procesu.

Vrijeme realizacije projekta
siječanj 2024. – kolovoz 2024.

Broj učenika
15

Cilj projekta

Uvodna radionica

„Misli pametno, živi zeleno“

Radionica Mladi tehničari 1

„Dizajniranje i dokumentiranje razvojnog centra“

Radionica Mladi tehničari 2

„Izrada makete GLOBE razvojnog centra”

Radionica Mladi tehničari 3

„Tehnika i kvaliteta života“

Radionica GLOBE 1

„Protokoli u GLOBE programu“

Radionica GLOBE 2

„Opažanja i mjerenja u okolišu“

Radionica GLOBE 3

„GLOBE program kroz razvojni centar”

Radionice

Projektom se želi potaknuti interes učenika za prirodne znanosti, samostalno istraživanje, osmišljavanje i provođenje projekata iz područja prirodoslovlja.

GLOBE program

Globalno učenje i opažanje za okoliš

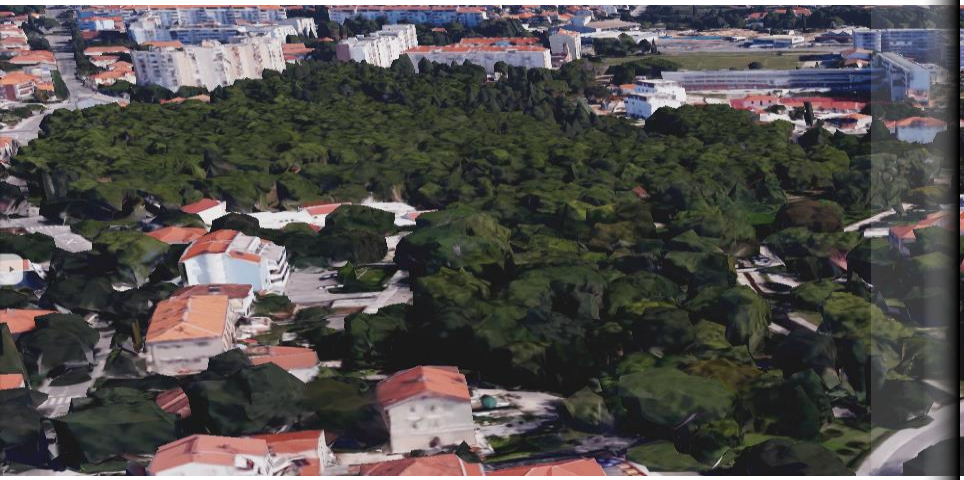
Područja GLOBE PROGRAMA

BIOSFERA

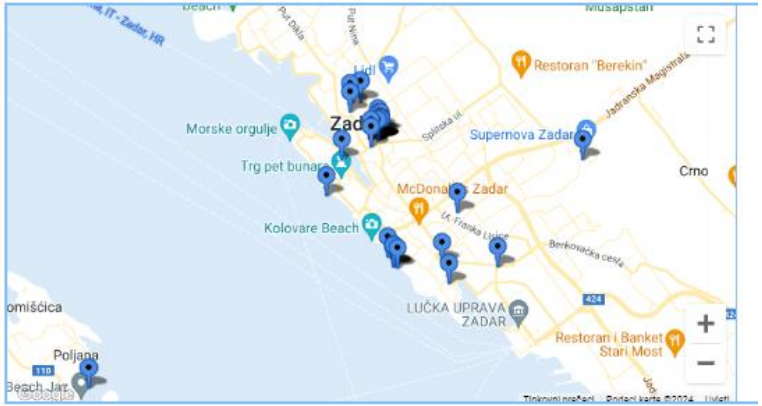
VODA

ATMOSFERA

TLO



School / Data Site Locations

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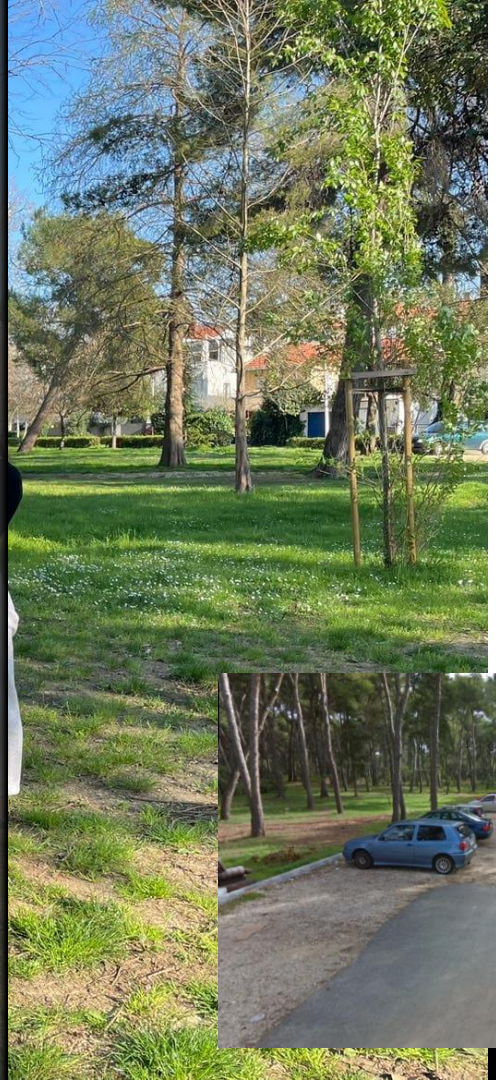
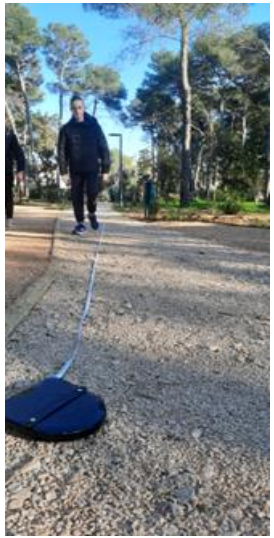
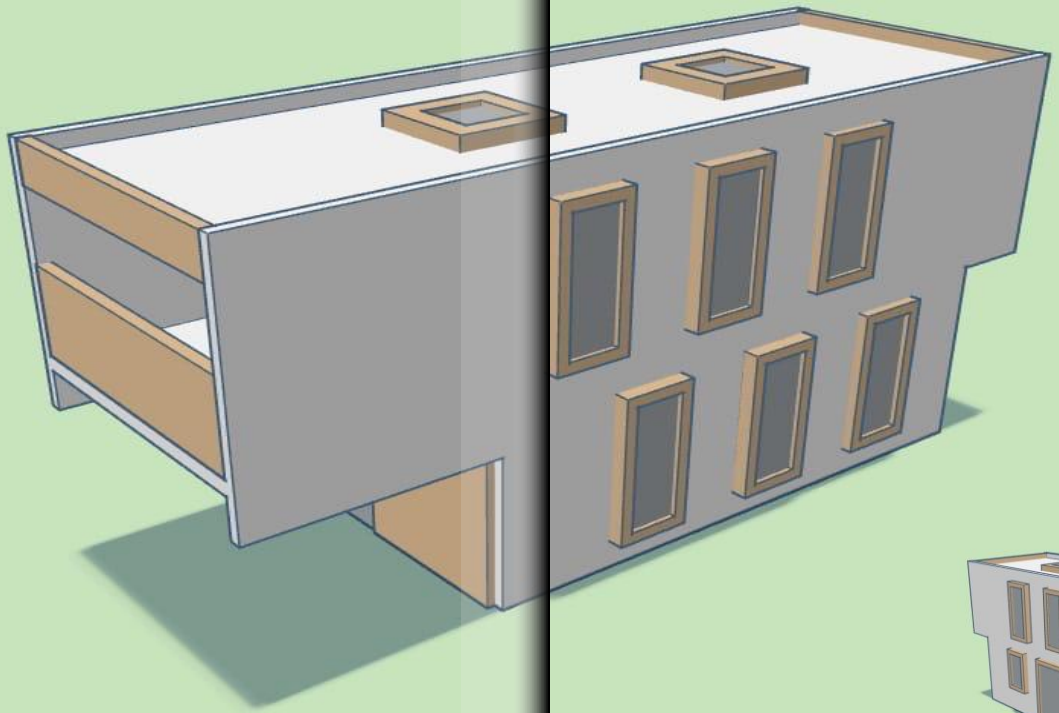


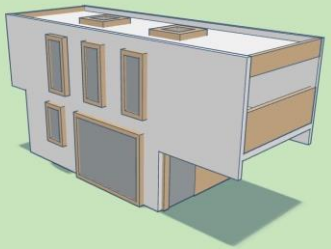


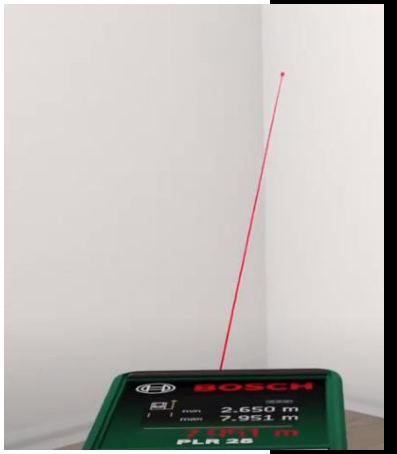
ARHITETONSKI URED

GRADILIŠTE

TINKERCAD - 3D modeliranje



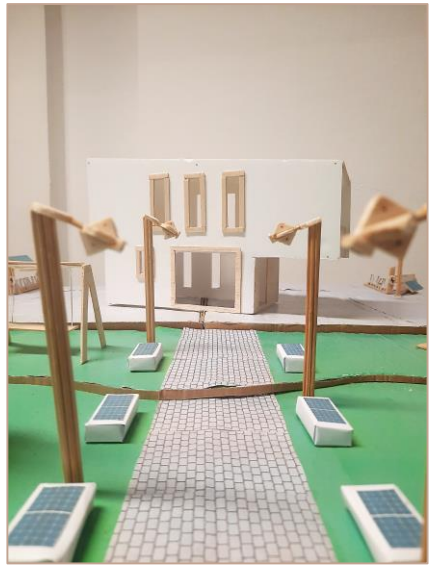




Bosch PLR 25 - Digitalni laserski daljinomjer

MODEL ZGRADE

Razvojni centar GLOBE

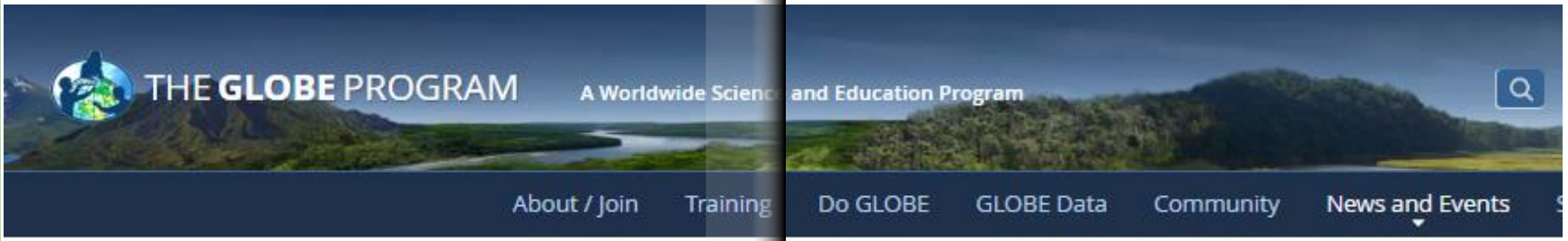


MODEL ZGRADE

Razvojni centar GLOBE

Edukacija GLOBE

Biosphere - Carbon



Home > Training > Protocol eTraining

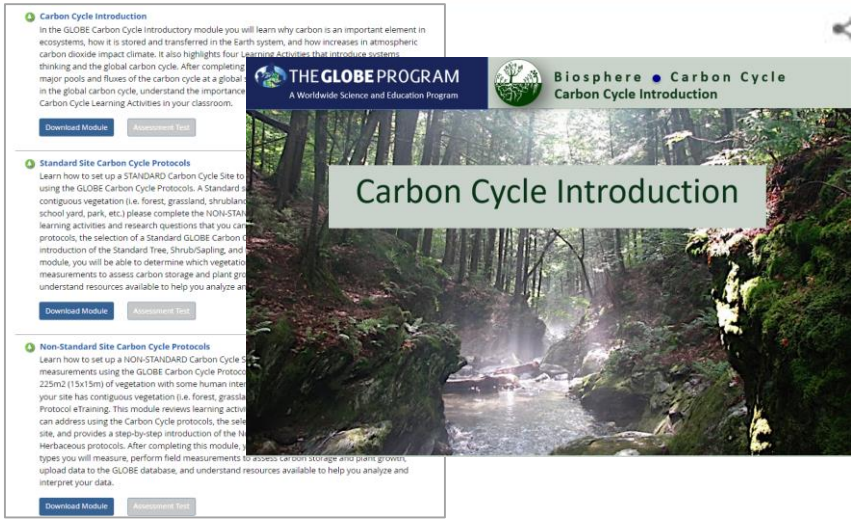
Biosphere

As of 2021: Please note that the email address for the GLOBE Community Support team has changed, but this change has not been reflected in the eTraining slides. For questions regarding eTraining module content, email globehelp@ucar.edu.

INTRODUCTION TO BIOSPHERE

This module provides an introduction to the Biosphere investigation. You will learn how to conduct GLOBE's biosphere protocols so that the data you collect is of appropriate precision and accuracy. You will learn about the MUC classification system used to classify land cover at our study site, and get an overview of the biometry and phenology field procedures. You will also review the steps you will take to upload your observations to the GLOBE database and visualize data using the GLOBE Visualization system.

Download Module | Assessment Test



Edukacija GLOBE

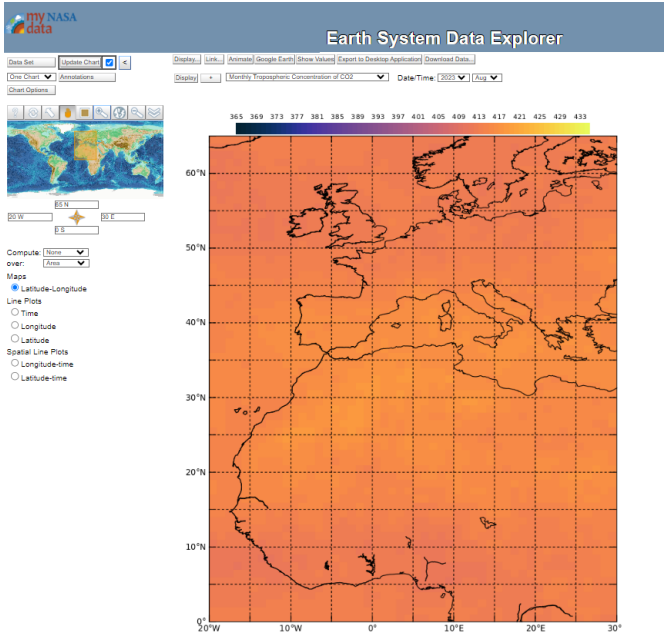
Investigating CO2 Levels at Your Location

Overview

Students will explore existing CO_2 levels at their given location or city. By using Earth System Data Explorer, the teacher will create an animation and line graph of CO_2 levels at their location. Students will analyze these data resources to eventually write a C-E-R response.

Procedure

Biosphere - Carbon



Edukacija GLOBE – CO2

Tri radionice u sklopu projekta:
“Održivim poslovanjem do bolje klime”

1. Izračun emisija CO2
2. Prilagodba klimatskim promjenama
3. Osnove energetike u svjetlu trenutnih tržišnih zbivanja

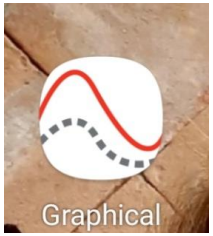
GDX-CO2 Go Direct CO2 Sensor

Go Direct CO2 senzor plina mjeri razine koncentracije ugljičnog dioksida, temperaturu zraka i relativnu vlažnost

TFA Dostmann Aircontrol Up CO2

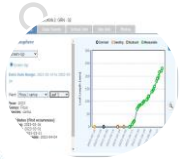
Koncentracije CO2 u prostoriji, sobna temperatura i vlažnost zraka
Funkcija alarma za koncentraciju CO2

GDX-CO2 Go Direct CO2 Sensor



Aircontrol Up CO2

ISTRAŽIVAČKI RAD



- Promatranje prirode
- Postavljanje istraživačkog pitanja
- Razvoj pretpostavke / hipoteze
- Planiranje istraživanja
- Prikaz rezultata
- Analiza rezultata
- Donošenje zaključaka
- Prezentiranje rezultata
- Postavljanje novih istraživačkih pitanja

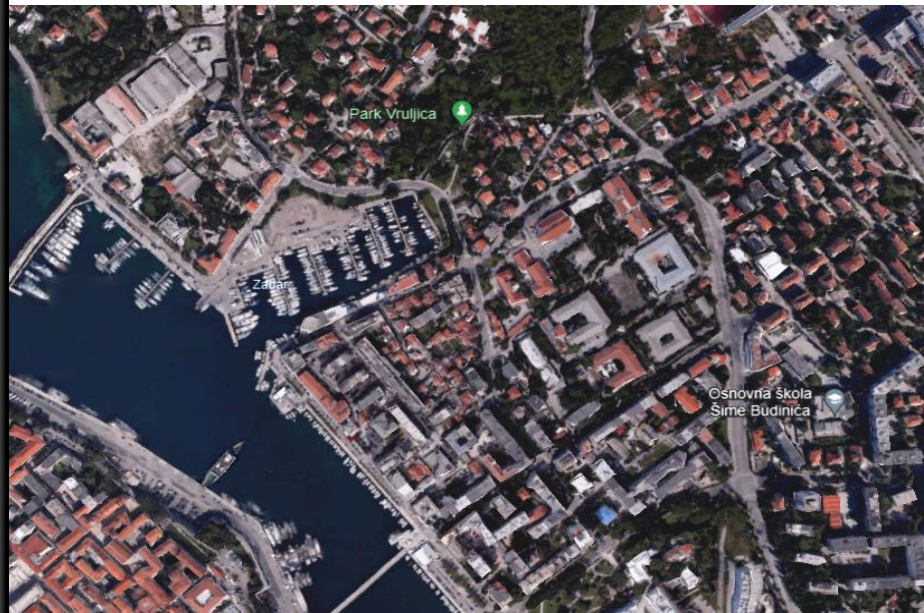
Mjerne postaje 1. – 8., u školi i izvan škole na kojima se mjeri CO_2

U školi

1. Učionica
2. Školska kuhinja
3. Školska kotlovnica
4. Školska dvorana

Izvan škole

1. Školsko dvorište
2. Školski maslenik
3. Autobusna stanica
4. Park Vruljica



Naš planet, naša budućnost!

Zrinka i Tamara