



Korištenje GLOBE baze podataka – kako naći podatke?

GLOBE baza-kako pronaći podatke?

The screenshot shows the GLOBE website interface in Internet Explorer. The address bar contains <http://classic.globe.gov/>. The main navigation menu includes **Home**, **Projects**, **For Students**, **For Teachers**, and **For Scientists**. The **For Students** menu is expanded, listing the following options:

- Research Projects:
- Data Entry
- Finding Data:**
- Maps & Graphs:
- GLOBE Scientists' Blog
- GLOBE Stars
- Chief Scientist's Honor Roll
- Elementary GLOBE
- Community & Events
- Quizzes:

The **Finding Data:** sub-menu is highlighted with a red box and contains the following options:

- Data Access
- Schools with most data
- Advanced School Search

Red arrows point to the **For Students** menu item and the **Finding Data:** sub-menu item. A red box highlights the **Data Access**, **Schools with most data**, and **Advanced School Search** options. A banner at the bottom left says "Explore our pages for students".

Pristup svim podacima iz GLOBE baze

The screenshot shows the GLOBE Program website in Internet Explorer. The browser title is "GLOBE: Home - Internet Explorer" and the address bar shows "http://classic.globe.gov/". The website header includes the GLOBE logo and the text "The GLOBE Program". Below the header is a navigation menu with tabs for "Home", "Projects", "For Students", "For Teachers", and "For Scientists". The "For Students" tab is selected. On the left side, there is a large image of students and a teacher in a field, with the text "Explore our pages for students". On the right side, there is a list of links under the heading "Research Projects:". The "Finding Data:" section is highlighted in yellow, and the "Data Access" link is circled in red. Other links in the "Finding Data:" section include "Schools with most data" and "Advanced School Search". At the bottom right, there is a "News" section with the text "GLOBE Europe Euro".

visit New www.GLOBE.gov English Español Français Русский العربية

The GLOBE Program

Home Projects **For Students** For Teachers For Scientists

Research Projects:
Data Entry
Finding Data: **Data Access**
Maps & Graphs: Schools with most data
GLOBE Scientists' Blog Advanced School Search
GLOBE Stars
Chief Scientist's Honor Roll
Elementary GLOBE
Community & Events
Quizzes:

Explore our pages for students

News
GLOBE Europe Euro

This table represents data from: **All GLOBE sites**

Select either one investigation (round button) or one or more protocols (square boxes) from one investigation, then press "Get the data now!". Or see [Help](#) or [What's New?](#) for more options.

Investigation	First Measurement*	Last Measurement*	Measurements*	Schools*
* may not reflect data reported since 00:00 UT 2011-10-15				
All Measurements	1995-01-01	2011-10-15	22662201	23563
<input checked="" type="radio"/> Atmosphere	1995-01-01	2011-10-14	17343695	7330
<input checked="" type="checkbox"/> Air Temperature	1995-01-01	2011-10-14	6090136	6073
<input type="checkbox"/> Cloud Observations	1995-01-01	2011-10-14	4322243	6948
<input type="checkbox"/> Contrail Observations	1995-01-01	2011-10-14	937342	2510
<input type="checkbox"/> Rainfall (Liquid Precipitation)	1995-01-01	2011-10-14	2201734	5770
<input type="checkbox"/> Snowfall (Solid Precipitation)	1995-01-01	2011-10-14	1977405	4148
<input type="checkbox"/> Humidity	1995-01-01	2011-10-14	903158	1622
<input type="checkbox"/> Barometric Pressure	1995-01-01	2011-10-14	683939	1119
<input type="checkbox"/> Ozone	2000-08-16	2011-08-16	107291	133
<input type="checkbox"/> Aerosols	2000-07-02	2011-10-14	120447	128
<input type="checkbox"/> Water Vapor	2000-07-02	2011-10-14	46841	132
<input type="checkbox"/> Surface Temperature	1999-04-13	2011-10-13	291593	343
<input type="radio"/> Hydrology (Surface Water)	1995-01-02	2011-10-14	1888196	2863
<input type="checkbox"/> Temperature	1995-01-02	2011-10-14	401963	2755
<input type="checkbox"/> pH	1995-01-02	2011-10-14	364311	2658
<input type="checkbox"/> Total Nitrogen (NOx-N)	1995-03-26	2011-10-14	196322	946
<input type="checkbox"/> Dissolved Oxygen	1995-03-26	2011-10-12	171053	1460
<input type="checkbox"/> Conductivity	1995-03-26	2011-10-12	192691	1342
<input type="checkbox"/> Alkalinity	1995-03-26	2011-10-09	124315	1010
<input type="checkbox"/> Transparency	1995-03-26	2011-10-14	321539	2112
<input type="checkbox"/> Salinity	1996-01-11	2011-10-09	41094	270
<input type="checkbox"/> Tidal Observations	1997-01-01	2011-10-11	6028	110
<input type="checkbox"/> Freshwater Macroinvertebrates	2004-01-15	2010-05-07	1365	31
Soil Moisture	1995-02-21	2011-10-13	109305	276
<input type="radio"/> Soil Moisture (profile)				
<input type="radio"/> Soil Moisture (by depth)				
Soil Temperature	1995-07-30	2011-10-14	642668	727
<input type="radio"/> Soil Temperature (profile)				
<input type="radio"/> Soil Temperature (by depth)				
<input type="radio"/> Soil Temperature (daily maximum, daily minimum, local solar noon average)				
<input type="radio"/> Soil Characterization	1998-05-18	2011-10-10	38556	559
<input type="radio"/> Soil Infiltration	1997-02-17	2011-10-13	5777	48
<input type="radio"/> Land Cover/Biology	1995-04-19	2011-10-11	200147	1013

Popis svih poslanih podataka u GLOBE bazi (po područjima) s datumom prvog i posljednjeg mjerenja, ukupnim brojem pojedinog mjerenja i brojem škola koje su upisale podatke u GLOBE bazu ...

* may not reflect data reported since 00:00 UT 2011-10-16

All Measurements	1995-01-01	2011-10-16	22664391	23563
<input type="radio"/> Atmosphere	1995-01-01	2011-10-15	17345249	7331
<input type="checkbox"/> Air Temperature	1995-01-01	2011-10-15	6090458	6073
<input type="checkbox"/> Cloud Observations	1995-01-01	2011-10-15	4322575	6949
<input type="checkbox"/> Contrail Observations	1995-01-01	2011-10-15	937640	2510
<input type="checkbox"/> Rainfall (Liquid Precipitation)	1995-01-01	2011-10-15	2201842	5770
<input type="checkbox"/> Snowfall (Solid Precipitation)	1995-01-01	2011-10-15	1977581	4148
<input type="checkbox"/> Humidity	1995-01-01	2011-10-15	903303	1622
<input type="checkbox"/> Barometric Pressure	1995-01-01	2011-10-15	684062	1119
<input type="checkbox"/> Ozone	2000-08-16	2011-08-16	107291	133
<input type="checkbox"/> Aerosols	2000-07-02	2011-10-14	120497	128
<input type="checkbox"/> Water Vapor	2000-07-02	2011-10-14	46861	132
<input type="checkbox"/> Surface Temperature	1999-04-13	2011-10-13	291593	343
<input checked="" type="radio"/> Hydrology (Surface Water)	1995-01-02	2011-10-15	1888562	2863
<input checked="" type="checkbox"/> Temperature	1995-01-02	2011-10-15	402032	2755
<input checked="" type="checkbox"/> pH	1995-01-02	2011-10-15	364338	2658
<input type="checkbox"/> Total Nitrogen (NOx-N)	1995-03-26	2011-10-14	196358	946
<input checked="" type="checkbox"/> Dissolved Oxygen	1995-03-26	2011-10-14	171062	1460
<input type="checkbox"/> Conductivity	1995-03-26	2011-10-15	192757	1342
<input type="checkbox"/> Alkalinity	1995-03-26	2011-10-14	124324	1010
<input type="checkbox"/> Transparency	1995-03-26	2011-10-15	321628	2112
<input type="checkbox"/> Salinity	1996-01-11	2011-10-15	41121	270
<input type="checkbox"/> Tidal Observations	1997-01-01	2011-10-11	6028	110
<input type="checkbox"/> Freshwater Macroinvertebrates	2004-01-15	2010-05-07	1365	31
Soil Moisture	1995-02-21	2011-10-13	109305	276
<input type="radio"/> Soil Moisture (profile)				
<input type="radio"/> Soil Moisture (by depth)				
Soil Temperature	1995-07-30	2011-10-15	642790	727

Prvi korak u prikazu podataka je odabir vrste mjerenja (barem jednog)...

... te razdoblje (start date i end date) za koje želimo prikazati određene podatke te klikom na gumb GET THE DATA NOW dobijemo podatke (ukoliko isti postoje za traženo razdoblje)

<input type="radio"/> Automated Data Collection	1998-11-14	2011-10-15	1202238	120
<input type="checkbox"/> Air Temperature	1998-11-14	2011-10-15	317259	119
<input type="checkbox"/> Soil Temperature	1998-11-14	2011-10-15	815254	35
<input type="checkbox"/> Soil Moisture	2002-05-18	2011-10-15	41016	4
<input type="checkbox"/> Rainfall (Liquid Precipitation)	2002-05-18	2011-10-13	57115	73
<input type="checkbox"/> Humidity	2002-05-18	2011-10-15	84813	82
<input type="checkbox"/> Barometric Pressure	2002-05-18	2011-10-15	90431	82
<input type="checkbox"/> Wind	2002-05-18	2011-10-15	155986	83
<input type="radio"/> Site Location	1996-10-19	2011-10-15	118839	23203
<input type="button" value="Go"/> Site Photos	1995-04-19	2009-03-13	3215	181
Site photos are viewed using the GLOBE Site Photo viewer.				
[Metadata]	1995-01-01	2011-10-15	111952	5443

NOTE: Some requests generate large amounts of data. Please make your choices carefully.

Start date (YYYY-MM-DD):

End date (YYYY-MM-DD):

Output format:

** Applies to investigation selected in the table above.

Primjer: tražimo podatke za aerosol za razdoblje 1.10.2011. do 16.10.2011.

Investigation	First Measurement*	Last Measurement*	Measurements*	Schools*
All Measurements	1995-01-01	2011-10-16	22664391	23563
<input checked="" type="radio"/> Atmosphere	1995-01-01	2011-10-15	17345249	7331
<input type="checkbox"/> Air Temperature	1995-01-01	2011-10-15	6090458	6073
<input type="checkbox"/> Cloud Observations	1995-01-01	2011-10-15	4322575	6949
<input type="checkbox"/> Contrail Observations	1995-01-01	2011-10-15	937640	2510
<input type="checkbox"/> Rainfall (Liquid Precipitation)	1995-01-01	2011-10-15	2201842	5770
<input type="checkbox"/> Snowfall (Solid Precipitation)	1995-01-01	2011-10-15	1977581	4148
<input type="checkbox"/> Humidity	1995-01-01	2011-10-15	903303	1622
<input type="checkbox"/> Barometric Pressure	1995-01-01	2011-10-15	684062	1119
<input type="checkbox"/> Ozone	2000-08-16	2011-08-16	107291	133
<input checked="" type="checkbox"/> Aerosols	2000-07-02	2011-10-14	120497	128
<input type="checkbox"/> Water Vapor	2000-07-02	2011-10-14	46861	132
<input type="checkbox"/> Surface Temperature	1999-04-13	2011-10-13	291593	343
<input type="radio"/> Hydrology (Surface Water)	1995-01-02	2011-10-15	1888562	2863
<input type="checkbox"/> Temperature	1995-01-02	2011-10-15	402032	2755
<input type="checkbox"/> pH	1995-01-02	2011-10-15	364338	2658

NOTE: Some requests generate large amounts of data. Please make your choices carefully.

Start date (YYYY-MM-DD): 2011-10-01

End date (YYYY-MM-DD): 2011-10-16

Output format:

View results in browser

More Options

Select specific fields**

View Monthly Summaries

Set limits for some fields**

Get the data now!**

SEARCH PARAMETER SUMMARY

Investigation : Atmosphere
Protocols : Aerosols
Dates : 2011-10-01 - 2011-10-16

parametri po kojima
smo pretraživali
GLOBE bazu

[A legend describing the column headers follows the results on this page.](#)

DATE	LAT	LON	ELEV	SCODE	SITE	AOTGx	AOTRx	AOTGn	AOTRn	AOTGa	AOTRa
20111003	-34.6427	-58.5405	21.8	86kgs5t	ATM-01	0.119	0.163	0.114	0.156	0.118	0.160
20111011	45.8139	15.9014	82.0	mtgj31G	ATM-02	1.197	1.067	0.857	0.452	0.996	0.693
20111012	45.8139	15.9014	82.0	mtgj31G	ATM-02	0.956	0.631	0.945	0.602	0.949	0.620
20111014	-34.5094	-58.5361	15.0	86kgs5t	ATM-10	0.190	0.169	0.125	0.134	0.143	0.143
20111014	45.8139	15.9014	82.0	mtgj31G	ATM-02	0.301	0.129	0.248	0.125	0.271	0.127

podaci

[\[TOP\]](#)

Total rows returned: 5

LEGEND

DATE: Time of measurement - [UT]
LAT: Latitude - [degrees (Negative values are south of the equator)]
LON: Longitude - [degrees (Negative values are west of 0 degrees Lon)]
ELEV: Elevation - [m]
SCODE: School code
SITE: Site ID
AOTGx: Aerosol optical thickness - max grn - Maximum green channel AOT
AOTRx: Aerosol optical thickness - max red - Maximum red channel AOT
AOTGn: Aerosol optical thickness - min grn - Minimum green channel AOT
AOTRn: Aerosol optical thickness - min red - Minimum red channel AOT
AOTGa: Aerosol optical thickness - avg grn - Average green channel AOT
AOTRa: Aerosol optical thickness - avg red - Average red channel AOT

legenda
tablice s
podacima

School code key (2 schools)

- 86kgs5t Escuela de Ensenanza Media 7 "Nicolas Copernico", Buenos Aires, AR [2 rows]
- mtgj31G Skola Za Medicinske Sestre Vrapce, Zagreb - Susedgrad, HR, HR [3 rows]

popis
škola

<input type="checkbox"/>	Rainfall (Liquid Precipitation)	2002-05-18	2011-10-13	57115	73
<input type="checkbox"/>	Humidity	2002-05-18	2011-10-15	84813	82
<input type="checkbox"/>	Barometric Pressure	2002-05-18	2011-10-15	90431	82
<input type="checkbox"/>	Wind	2002-05-18	2011-10-15	155986	83
<input checked="" type="radio"/>	Site Location	1996-10-19	2011-10-15	118839	23203
<input checked="" type="checkbox"/>	Site Photos	1995-04-19	2009-03-13	3215	181
Site photos are viewed using the GLOBE Site Photo viewer.					
<input type="checkbox"/>	[Metadata]	1995-01-01	2011-10-15	111952	5443

NOTE: Some requests generate large amounts of data. Please make your choices carefully.

Start date (YYYY-MM-DD):

End date (YYYY-MM-DD):

Output format:

- View results in browser
- Download tab-delimited results to disk
- Download comma-delimited results to disk
- Download shapefile (zipped)

** Applies to investigation selected in the table above.

Prije samog klika na GET THE DATA NOW, možemo odabrati i format (oblik) u kojem želimo da nam se pronađeni podaci prikažu. Ukoliko podatke želimo obrađivati u nekom drugom programu (npr. MS Excel-u), odabiremo opciju DOWNLOAD TAB-DELIMITED RESULTS TO DISK i odaberete mjesto gdje ćete pohraniti datoteku.

More Options

View Monthly Summaries

Select specific fields**

Set limits for some fields**

Get the data now!**

** Applies to investigation selected in the table above.



Prije samog klika na GET THE DATA NOW, možemo odabrati i polja koja će nam biti prikazana u rezultatu pretrage GLOBE baze i kojim redoslijedom.

<input checked="" type="checkbox"/> Latitude	<input type="radio"/>	<input type="radio"/>
<input checked="" type="checkbox"/> Longitude	<input type="radio"/>	<input type="radio"/>
<input checked="" type="checkbox"/> Elevation	<input type="radio"/>	<input type="radio"/>
<input checked="" type="checkbox"/> School code	<input type="radio"/>	<input type="radio"/>
<input type="checkbox"/> School name	<input type="radio"/>	<input type="radio"/>
<input checked="" type="checkbox"/> Site ID	<input type="radio"/>	<input type="radio"/>
<input type="checkbox"/> Site name	<input type="radio"/>	<input type="radio"/>
<input type="checkbox"/> City	<input type="radio"/>	<input type="radio"/>
<input type="checkbox"/> State/province code	<input type="radio"/>	<input type="radio"/>
<input type="checkbox"/> Country code	<input type="radio"/>	<input type="radio"/>
<input type="checkbox"/> School name, City, [State,] Country	<input type="radio"/>	<input type="radio"/>
<input type="checkbox"/> Time measurement was reported	<input type="radio"/>	<input type="radio"/>
*Air Temperature	[Sort1]	[Sort2]
<input type="checkbox"/> Current temperature	<input type="radio"/>	<input type="radio"/>
<input type="checkbox"/> Maximum temperature	<input type="radio"/>	<input type="radio"/>
<input type="checkbox"/> Minimum temperature	<input type="radio"/>	<input type="radio"/>
<input type="checkbox"/> Mean temperature	<input type="radio"/>	<input type="radio"/>
<input type="checkbox"/> Temperature range	<input type="radio"/>	<input type="radio"/>
<input type="checkbox"/> Additional air temperatures	<input type="radio"/>	<input type="radio"/>
<input type="checkbox"/> Air temperature comments	<input type="radio"/>	<input type="radio"/>
*Cloud Observations	[Sort1]	[Sort2]

Škole s najvećim brojem podataka

GLOBE: Home - Internet Explorer

http://classic.globe.gov/

File Edit View Favorites Tools Help

visit New www.GLOBE.gov English Español Français Русский العربية

The GLOBE Program

Home Projects For Students For Teachers For Scientists

Research Projects:
Data Entry

Finding Data:

Maps & Graphs:

GLOBE Scientists' Blog

GLOBE Stars

Chief Scientist's Honor Roll

Elementary GLOBE Community & Events

Quizzes:

Data Access

Schools with most data

Advanced School Search

News

Explore our pages for students

Schools that have consistently reported data can be found by looking for schools with the most data, limited to the investigation area, location, and dates of interest. On this form, choose the **investigation area**, **country or state**, and **dates** that you want to find schools with the most data for.

INVESTIGATION AREA

Atmosphere

Atmosphere

Hydrology

Soil

Land Cover/Biology

Phenology

SCHOOL LOCATION

All Countries [2356]

AR - Argentina [12]

AU - Australia* [34]

AT - Austria [5 schools with data]

BS - Bahamas [9 schools with data]

BH - Bahrain [36 schools with data]

BD - Bangladesh [10 schools with data]

BE - Belgium [11 schools with data]

BJ - Benin [109 schools with data]

State/Province Search*

Countries indicated by * can be searched by state or province.
(Select the country, then press 'State/Province Search'.)

iz izbornika odabiremo područje za koje želimo pretraživati škole s najvećim brojem podataka

popis država čije su škole uključene u program GLOBE

DATES

Year Month

Start: 1995 01

End: 2011 10

određivanje razdoblja za koji tražimo podatke škola

Find schools

Schools that have consistently reported data can be found by looking for schools with the most data, limited to the investigation area, location, and dates of interest. On this form, choose the **investigation area**, **country or state**, and **dates** that you want to find schools with the most data for.

INVESTIGATION AREA

Atmosphere ▼

SCHOOL LOCATION: **Country Search**

- CL - Chile [22 schools with data]
- CO - Colombia [25 schools with data]
- CG - Congo [1 school with data]
- ~~CR - Costa Rica [28 schools with data]~~
- HR - Croatia [159 schools with data]
- CY - Cyprus [27 schools with data]
- CZ - Czech Republic [205 schools with data]
- DK - Denmark [22 schools with data]
- DO - Dominican Republic [5 schools with data]

State/Province Search*

Countries indicated by * can be searched by state or province.
(Select the country, then press 'State/Province Search'.)

DATES

Year Month

Start: 1995 ▼ 01 ▼

End: 2011 ▼ 10 ▼

Find schools

The table has been truncated to 50 entries.

[The complete table contains 165 entries.](#)

Number of reports: TOT = Total (all measurement types), AT = Atmosphere, SW = Hydrology (Surface Water), LC = Land Cover, SO = Soil, PH = Phenology, MD = Metadata. Click a column heading to sort the table by that column, or to reverse the sort order.

TOT	AT	SW	LC	SO	PH	MD	Lat	Lon	Elev	Location and Name of School
#	#	#	#	#	#	#	deg	deg	m	Select the first fifty items Select None
75609	61353	9151	661	4348	10	86	45.1604	18.0143	92	<input type="checkbox"/> Gimnazija Matija Mesic , Slavonski Brod, HR
74304	34426	7880	22303	9008	254	433	46.0310	16.1059	171	<input type="checkbox"/> OS Konjscina , Konjscina, HR
62711	28218	6052	5872	9190	12593	786	46.0523	16.1805	116	<input type="checkbox"/> OS Bedekovcina , Bedekovcina, HR
61449	55507	3760	190	1869	63	60	45.9780	16.0161	154	<input type="checkbox"/> OS Matija Gubec , Gornja Stubica, HR
57405	54026	2006	368	844	9	152	45.4928	15.5625	119	<input type="checkbox"/> Sumarska i drvodjeljska skola , Karlovac, HR
55954	44257	7163	1	4488	0	45	45.7512	17.0493	148	<input type="checkbox"/> OS Mate Lovraka , Veliki Grdjevac, HR
50972	35537	7687	0	7678	16	54	45.4419	16.2801	61	<input type="checkbox"/> Srednja skola Petrinja , Petrinja, HR
47742	41202	4412	437	1510	5	176	45.8084	15.9870	118	<input type="checkbox"/> II Gimnazija Zagreb , Zagreb, HR
45460	43233	1980	2	4	8	233	45.5975	17.2214	170	<input type="checkbox"/> Tehnicka skola Daruvar , Daruvar, HR
39467	28026	6947	3	3100	1250	141	45.5333	18.7333	90	<input type="checkbox"/> OS Antuna Mihanovica , Osijek, HR
38580	21955	8371	3864	4230	2	158	45.4884	15.5355	65	<input type="checkbox"/> OS Dubovac , Karlovac, HR
37943	25936	6488	4750	728	0	41	45.1604	18.0170	45	<input type="checkbox"/> OS Antuna Mihanovica , Slavonski Brod, HR
37930	28545	8685	0	646	0	54	45.4992	15.5517	126	<input type="checkbox"/> OS Banija , Karlovac, HR
36013	24438	11473	0	0	13	89	46.3326	16.6093	152	<input type="checkbox"/> Srednja skola Prelog , Prelog, HR
34775	25674	5619	948	2468	23	43	45.1560	18.0238	42	<input type="checkbox"/> OS I.G. Kovacic , Slavonski Brod, HR
34223	31291	2519	367	0	0	46	45.5956	14.6405	523	<input type="checkbox"/> OS Petar Zrinski , Cabar, HR
33198	26929	4218	40	1764	0	247	45.6030	15.5968	133	<input type="checkbox"/> OS Draganici , Draganici, HR
31691	25356	3429	270	2135	210	291	45.0913	14.1217	263	<input type="checkbox"/> Srednja skola Mate Blazine Labin , 52 220 Labin, HR
31258	21966	6559	476	2202	0	55	45.1595	18.0090	88	<input type="checkbox"/> OS Hugo Badalic , Slavonski Brod, HR
31200	31106	60	0	0	0	25	46.1444	16.7786	207	<input type="checkbox"/> OS Sekelovec , Sekelovec, HR

klikom na bilo koje područje (atmosfera, hidrologija,...) mijenja se i poredak škola u tablici (od škole s najvećim brojem odabranih podataka do najmanjeg broja)



TOT	AT	SW	LC	SO	PH	MD	Lat	Lon	Elev	Location and Name of School
#	#	#	#	#	#	#	deg	deg	m	Select the first fifty items Select None
36013	24438	11473	0	0	13	89	46.3326	16.6093	152	<input type="checkbox"/> Srednja skola Prelog , Prelog, HR
29217	15805	10747	0	2611	0	54	45.8315	17.3855	122	<input type="checkbox"/> Gimnazija Petra Preradovica , Virovitica, HR
75609	61353	9151	661	4348	10	86	45.1604	18.0143	92	<input type="checkbox"/> Gimnazija Matija Mesic , Slavonski Brod, HR
37930	28545	8685	0	646	0	54	45.4992	15.5517	126	<input type="checkbox"/> OS Banija , Karlovac, HR
38580	21955	8371	3864	4230	2	158	45.4884	15.5355	65	<input type="checkbox"/> OS Dubovac , Karlovac, HR
74304	34426	7880	22303	9008	254	433	46.0310	16.1059	171	<input type="checkbox"/> OS Konjscina , Konjscina, HR
50972	35537	7687	0	7678	16	54	45.4419	16.2801	61	<input type="checkbox"/> Srednja skola Petrinja , Petrinja, HR
14074	6625	7378	0	0	0	71	45.1666	18.0166	97	<input type="checkbox"/> Srednja skola Matija Antun Reljkovic , Slavonski Brod, HR
55954	44257	7163	1	4488	0	45	45.7512	17.0493	148	<input type="checkbox"/> OS Mate Lovraka , Veliki Grdjevac, HR
39467	28026	6947	3	3100	1250	141	45.5333	18.7333	90	<input type="checkbox"/> OS Antuna Mihanovica , Osijek, HR
31258	21966	6559	476	2202	0	55	45.1595	18.0090	88	<input type="checkbox"/> OS Hugo Badalic , Slavonski Brod, HR
37943	25936	6488	4750	728	0	41	45.1604	18.0170	45	<input type="checkbox"/> OS Antuna Mihanovica , Slavonski Brod, HR
62711	28218	6052	5872	9190	12593	786	46.0523	16.1805	116	<input type="checkbox"/> OS Bedekovcina , Bedekovcina, HR
27087	15541	5822	0	3178	2352	194	45.3394	14.4292	50	<input type="checkbox"/> Prirodoslovna i graficka skola , Rijeka, HR
34775	25674	5619	948	2468	23	43	45.1560	18.0238	42	<input type="checkbox"/> OS I.G. Kovacic , Slavonski Brod, HR
11576	5265	5192	1008	0	15	96	42.0641	18.1149	-36	<input type="checkbox"/> Gimnazija Dubrovnik , Dubrovnik, HR
47742	41202	4412	437	1510	5	176	45.8084	15.9870	118	<input type="checkbox"/> II Gimnazija Zagreb , Zagreb, HR
33198	26929	4218	40	1764	0	247	45.6030	15.5968	133	<input type="checkbox"/> OS Draganici , Draganici, HR
17144	13177	3844	1	100	0	22	45.1146	17.5161	92	<input type="checkbox"/> OS Matija Antun Relkovic , Davor, HR
61449	55507	3760	190	1869	63	60	45.9780	16.0161	154	<input type="checkbox"/> OS Matija Gubec , Gornja Stubica, HR

Napredno pretraživanje GLOBE baze

The screenshot shows the GLOBE Program website in Internet Explorer. The browser title is "GLOBE: Home - Internet Explorer" and the address bar shows "http://classic.globe.gov/". The website header includes the GLOBE logo and the text "The GLOBE Program". Below the header is a navigation menu with tabs for "Home", "Projects", "For Students", "For Teachers", and "For Scientists". The "For Students" tab is selected. A list of links is displayed, including "Research Projects:", "Data Entry", "Finding Data:", "Maps & Graphs:", "GLOBE Scientists' Blog", "GLOBE Stars", "Chief Scientist's Honor Roll", "Elementary GLOBE", "Community & Events", and "Quizzes:". The "Advanced School Search" link is highlighted with a red box. Other visible links include "Data Access", "Schools with most data", and "News".

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The GLOBE Program

Home Projects For Students For Teachers For Scientists

Research Projects:
Data Entry
Finding Data:
Maps & Graphs:
GLOBE Scientists' Blog
GLOBE Stars
Chief Scientist's Honor Roll
Elementary GLOBE
Community & Events
Quizzes:

Data Access
Schools with most data
Advanced School Search

News

Explore our pages for students

SCHOOL LOCATION: Country Search

- BD - Bangladesh [10 schools with data]
- BE - Belgium [11 schools with data]
- BJ - Benin [109 schools with data]
- BO - Bolivia [14 schools with data]
- BG - Bulgaria [5 schools with data]
- BF - Burkina Faso
- CM - Cameroon [35 schools with data]
- CA - Canada* [334 schools with data]
- CV - Cape Verde [5 schools with data]

popis država i broj škola uključenih u program GLOBE



Go

State/Province Search* Lat/Lon Point Search Lat/Lon Regional Search

Display Map of Selected Region Choose selected location(s) for Data Access

Countries indicated by * can be searched by state or province. Select the country, then press 'State/Province Search'.

SCHOOL ELEVATION

Select an elevation range: Upper Elevation (m) Lower Elevation (m)

podaci o nadmorskoj visini



Go

NUMBER OF DATA REPORTS

Find schools that have submitted at least:

data reports for -Total data reports for Dataset 2

broj i vrste podataka koje tražimo u GLOBE bazi



Year Month

Start: 1995 01 End: 2011 10

razdoblje za koji tražimo podatke



Go

Search all GLOBE data (Ignore above dates)

SITE SEARCH

Atmosphere Hydrology (Surface Water) Land Cover/Biology
Phenology Soil Moisture/Temperature Soil Characterization

područje pretrage



Database Search

GLOBE Schools Other Weather Stations Both

Display Option

List Table

Start Search

Primjer: tražimo škole (tj. podatke) za aerosol za razdoblje listopad 2010. do listopad 2011.

SCHOOL LOCATION : Country Search

CL - Chile [22 schools with data]
CO - Colombia [25 schools with data]
CG - Congo [1 school with data]
CR - Costa Rica [28 schools with data]
HR - Croatia [159 schools with data]
CY - Cyprus [27 schools with data]
CZ - Czech Republic [205 schools with data]
DK - Denmark [22 schools with data]
DO - Dominican Republic [5 schools with data]

Go

State/Province Search* Lat/Lon Point Search Lat/Lon Regional Search

Display Map of Selected Region Choose selected location(s) for Data Access

Countries indicated by * can be searched by state or province. Select the country, then press 'State/Province Search'.

SCHOOL ELEVATION

Select an elevation range: Upper Elevation (m)
Lower Elevation (m)

Go

NUMBER OF DATA REPORTS

Find schools that have submitted at least:

data reports for **Aerosols**

data reports for Dataset 2

Year Month

Start: 2010 10

End: 2011 10

Go

Search all GLOBE data (ignore above dates)

Site Search

SEARCH PARAMETER SUMMARY

Country/State/Province Search : Croatia
Number of data reports : at least 1 Aerosols (2010/10 - 2011/10)

parametri po kojima smo pretraživali GLOBE bazu

SEARCH RESULTS

(3 sites in list)

Choose items from the table, select the desired action and press "Go".

Make a Graph

Number of reports: TOT = Total (all measurement types), AT = Atmosphere, SW = Hydrology (Surface Water), LC = Land Cover, SO = Soil, PH = Phenology, MD = Metadata. xxaz = Aerosols (2010/10 - 2011/10) Click a column heading to sort the table by that column, or to reverse the sort order.

xxaz	TOT	AT	SW	LC	SO	PH	MD	Lat	Lon	Elev	Location and Name of School
#	#	#	#	#	#	#	#	deg	deg	m	Select All Select None
879	2129	1750	0	0	0	0	3	45.8139	15.9014	82	<input type="checkbox"/> ATM-02 Vrapce 02, Skola Za Medicinske Sestre Vrapce , Zagreb - Susedgrad, HR
130	39918	38306	0	0	1438	0	0	45.2035	16.0292	125	<input type="checkbox"/> ATM-01 School Location, Il Gimnazija Zagreb , Zagreb, HR
17	23536	19601	0	0	216	0	4	45.8139	15.9014	82	<input type="checkbox"/> ATM-01 Vrapce 01, Skola Za Medicinske Sestre Vrapce , Zagreb - Susedgrad, HR

Number of reports: TOT = Total (all measurement types), AT = Atmosphere, SW = Hydrology (Surface Water), LC = Land Cover, SO = Soil, PH = Phenology, MD = Metadata. xxaz = Aerosols (2010/10 - 2011/10) Click a column heading to sort the table by that column, or to reverse the sort order.

tablica s podacima, klikom na jednu od škola (koje su u traženom razdoblju poslale tražene podatke)...

... dobijemo podatke o školi i mogućnost pristupa traženim podacima.



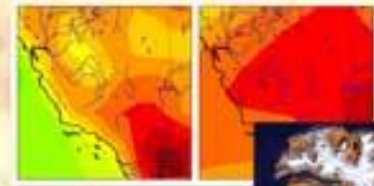
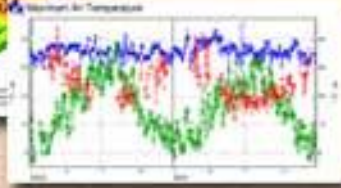
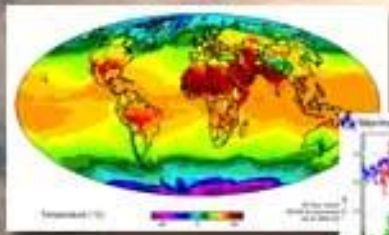
School and Site Information

Legend:

Number of reports: TOT = Total (all measurement types), AT = Atmosphere, SW = Hydrology (Surface Water), LC = Land Cover, SO = Soil, PH = Phenology, MD = Metadata.

Add Schools and Make A Graph

- Skola Za Medicinske Sestre Vrapce, Zagreb - Susedgrad, HR**
Latitude: 45.8164 N, Longitude: 15.8976 E, Elevation: 128 mATM-02
TOT=27711, AT=25442, SW=621, LC=1232, SO=216, MD=200
[Information](#) | [Data](#) | [Graph](#) | [Map](#) | [GLOBEMail](#) | [Site Info](#)



School Search

Korištenje GLOBE baze podataka – kako prikazati podatke?

The GLOBE Program

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Home Projects **For Students** For Teachers For Scientists For Partners



- Research Projects:
- Data Entry
- Finding Data:
- Maps & Graphs:**
- GLOBE Scientists' Blog
- GLOBE Stars
- Chief Scientist's Honor Roll
- Elementary GLOBE
- Community & Events
- Quizzes:



- Maps
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Quizzes:

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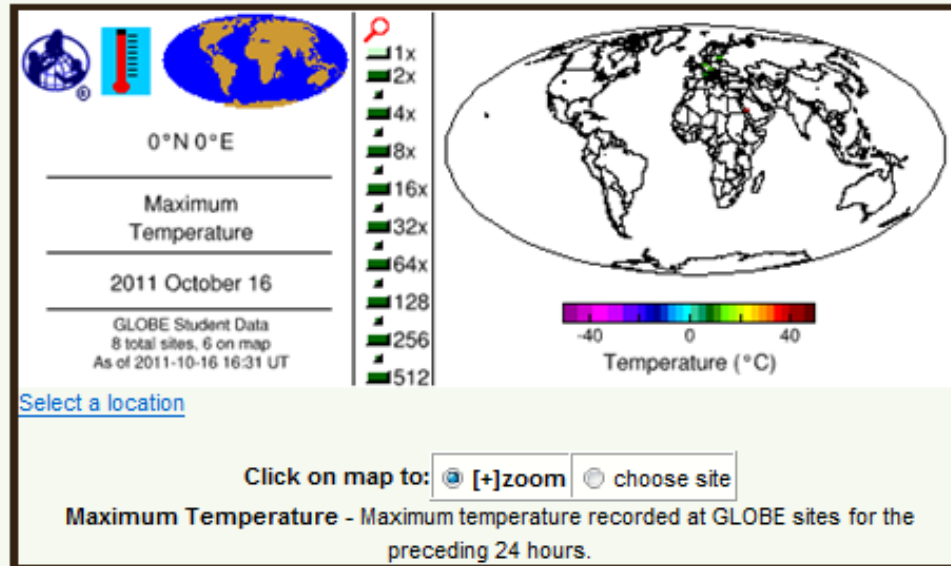
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GLOBE Maps



Map Data and Display Selection

Map type

Points
 Contours
 Both

Date

Year: 2011 Month: 10 Day: 16

Map size

small
 medium
 large

Data Category: -Measurements
To load the datasets of a new category, press "Redraw map".

Datasets in this category (info)

- Maximum Temperature [P,C]
- Minimum Temperature [P,C]
- Current Temperature [P]
- Mean Temperature [P,C]
- Temperature Range [P,C]
- Dew Point [P,C]
- Relative Humidity [P]

Available map types: P - Points, C - Contours

Redraw map

Other Options: SELECT OPTION Go

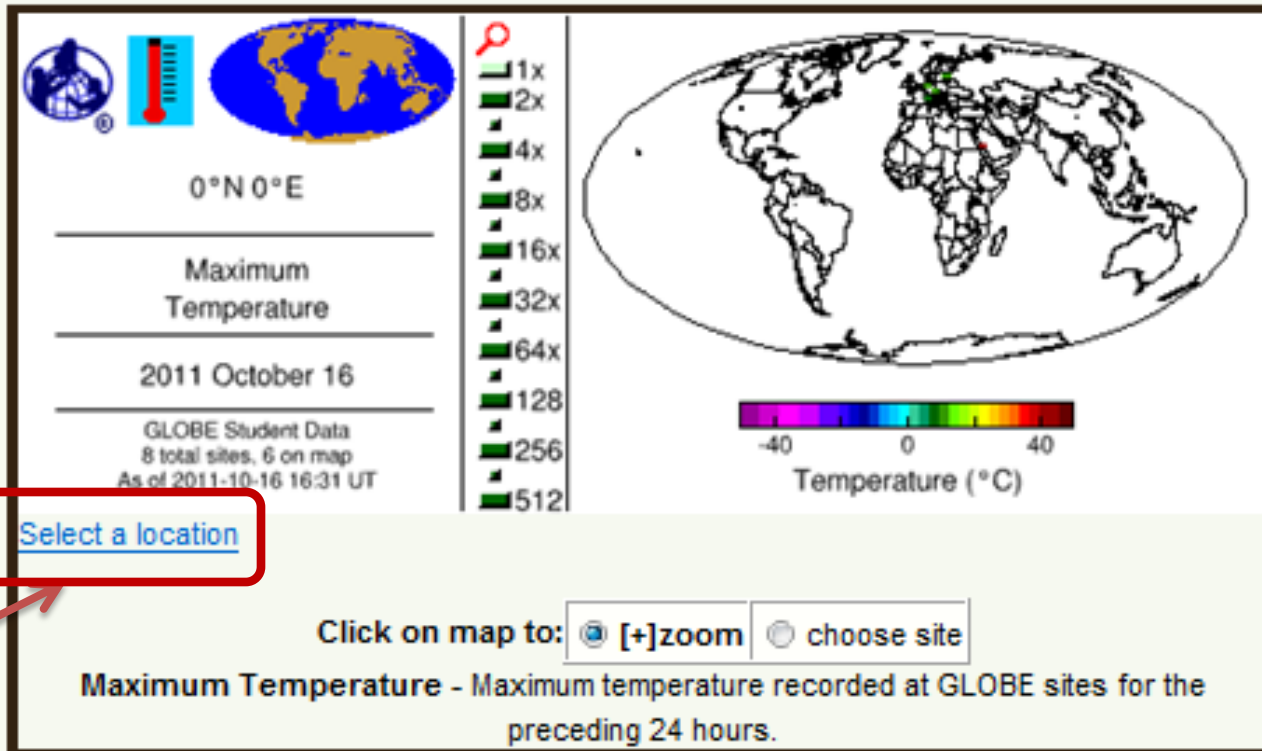
tip karte

veličina karte

kategorija podataka

vrsta podataka koju prikazujemo kartom

GLOBE Maps



odabir
lokacije
(države) čije
podatke
želimo
prikazati

GLOBE Locations - Windows Internet Explorer

http://viz.globe.gov/viz-bin/locationOpts.cgi?ojs=1&city=ok&mime=htm

Select one or more of the following options, then press "Zoom to location/Search".

City:

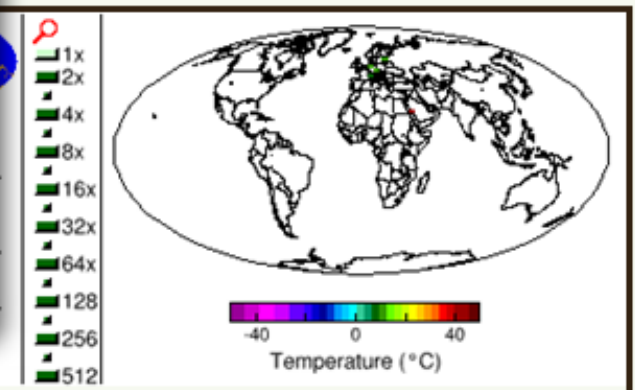
State/Province:

GLOBE Partner Country:

Internet | Zaštićeni način rada

- SELECT OPTION
- AR Argentina
- AU Australia
- AT Austria
- BS Bahamas
- BH Bahrain
- BD Bangladesh
- BE Belgium
- BJ Benin
- BO Bolivia
- BG Bulgaria
- BF Burkina Faso
- CM Cameroon
- CA Canada
- CV Cape Verde
- TD Chad
- CL Chile
- CN People's Republic of China
- CO Colombia
- CG Congo
- CR Costa Rica
- HR Croatia**
- CY Cyprus
- CZ Czech Republic
- DK Denmark
- DO Dominican Republic
- EC Ecuador
- EG Egypt
- SV El Salvador
- EE Estonia

GLOBE Maps



Click on map to: [+] zoom choose site

Temperature - Maximum temperature recorded at GLOBE sites for the preceding 24 hours.

Map Data and Display Selection

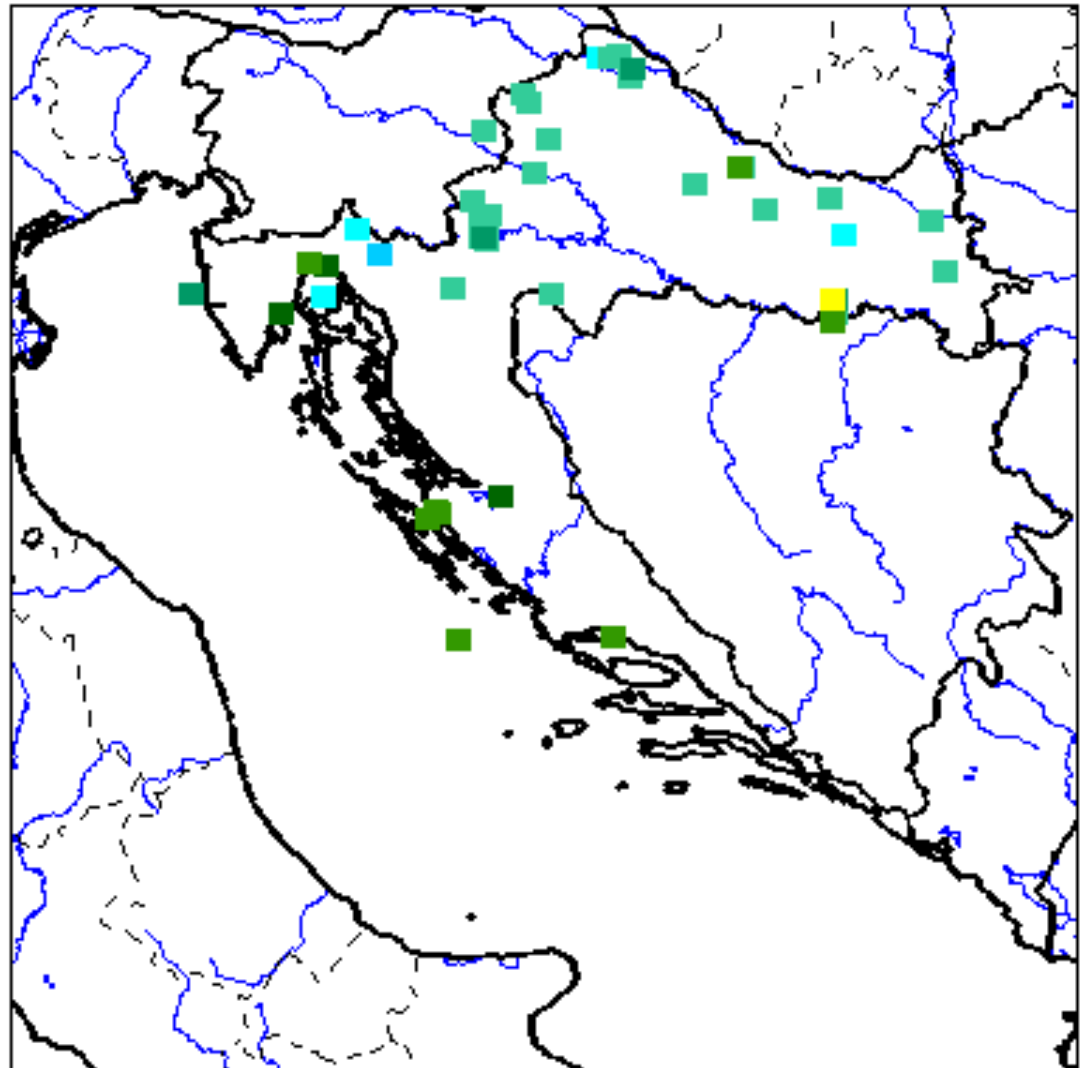
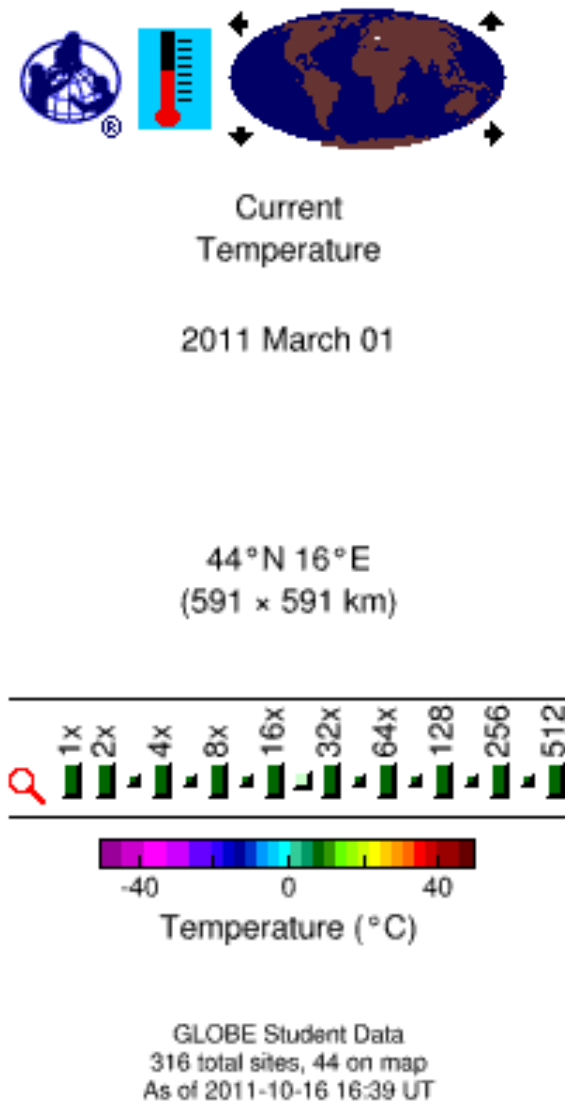
Data Category:

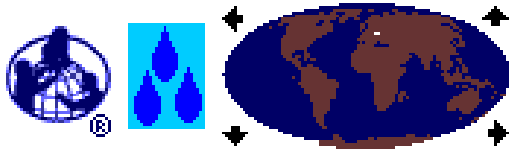
To load the datasets of a new category, press "Redraw map".

- Datasets in this category (info)**
- Maximum Temperature [P,C]
 - Minimum Temperature [P,C]
 - Current Temperature [P]
 - Mean Temperature [P,C]
 - Temperature Range [P,C]
 - Dew Point [P,C]
 - Relative Humidity [P]

Available map types: P - Points, C - Contours

Nekoliko primjera izrade karata...

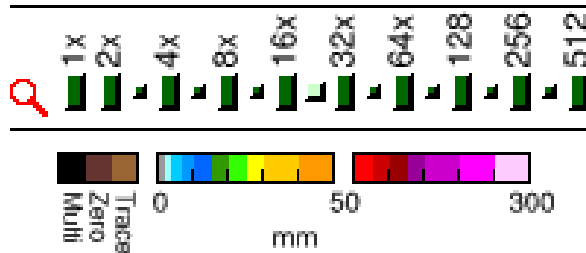




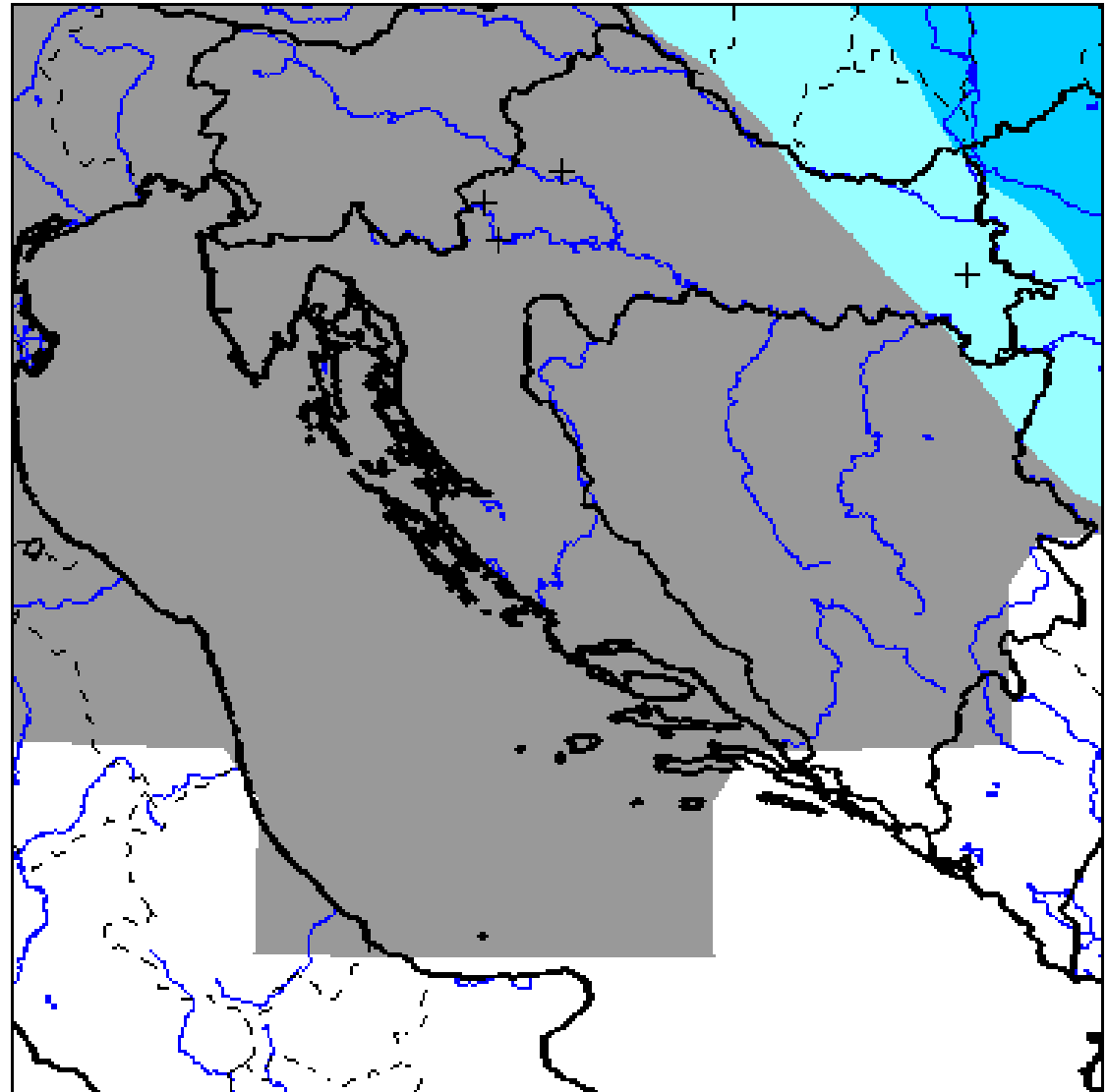
Rainfall

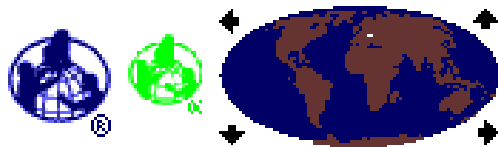
2011 October 10

44°N 16°E
(591 × 591 km)



GLOBE Student Data
72 total sites, 5 on map
As of 2011-10-16 16:38 UT

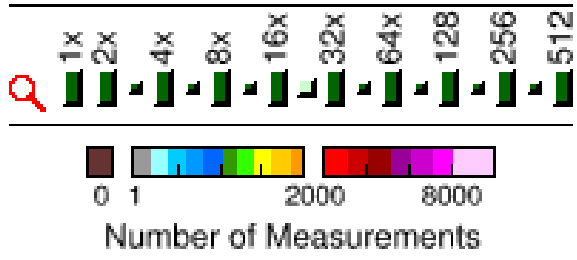




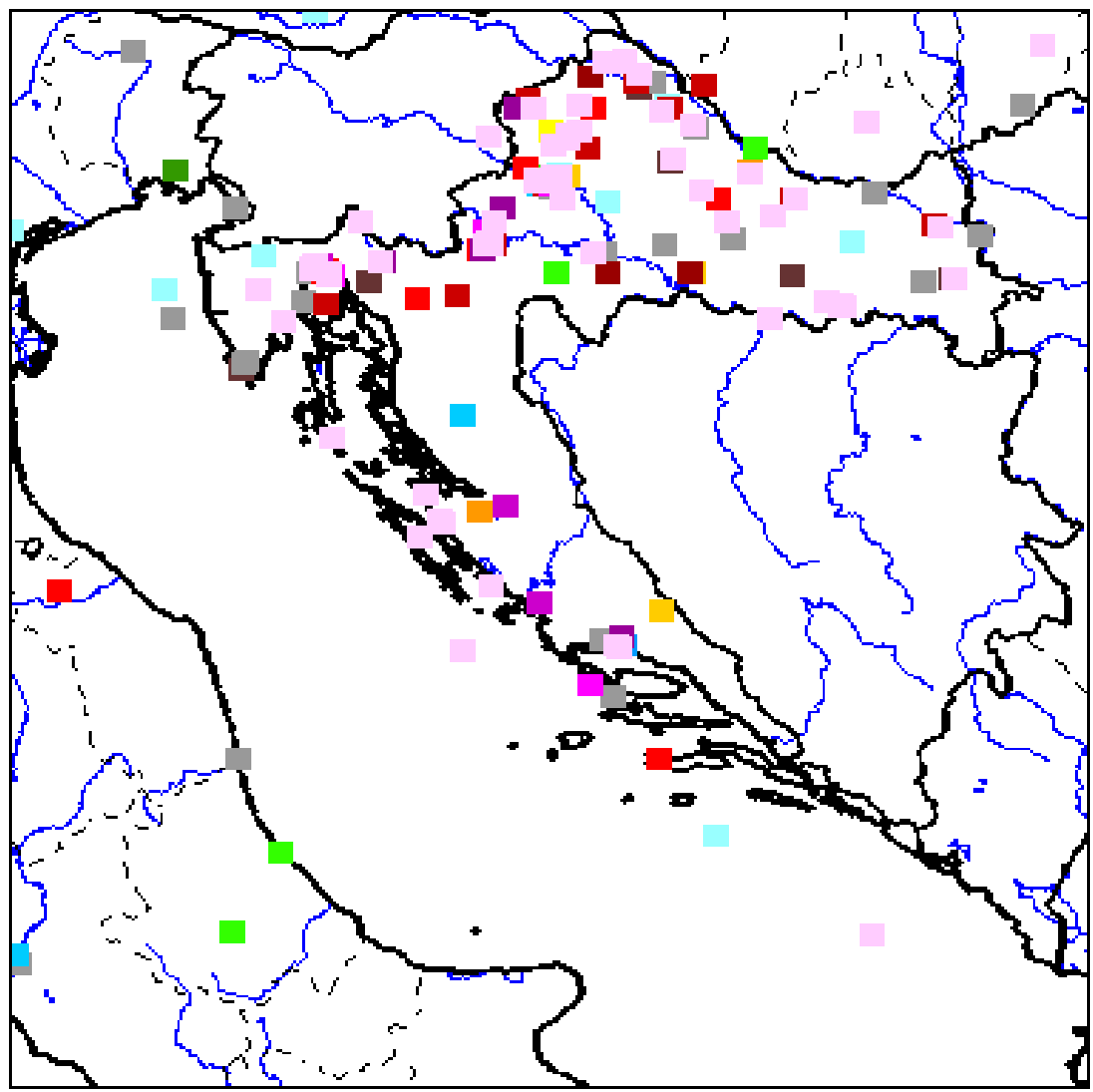
How Many Data Are There? Total

GLOBE Program through
2011 October 16

44°N 16°E
(591 x 591 km)



GLOBE Student Data
24887 total schools, 180 on map
As of 2011-10-16 12:32 UT

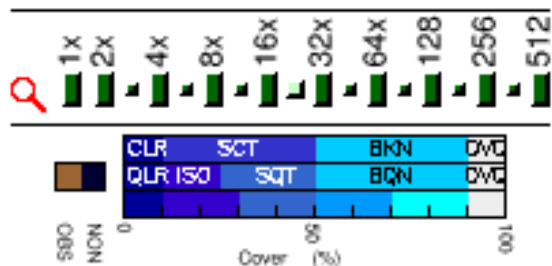




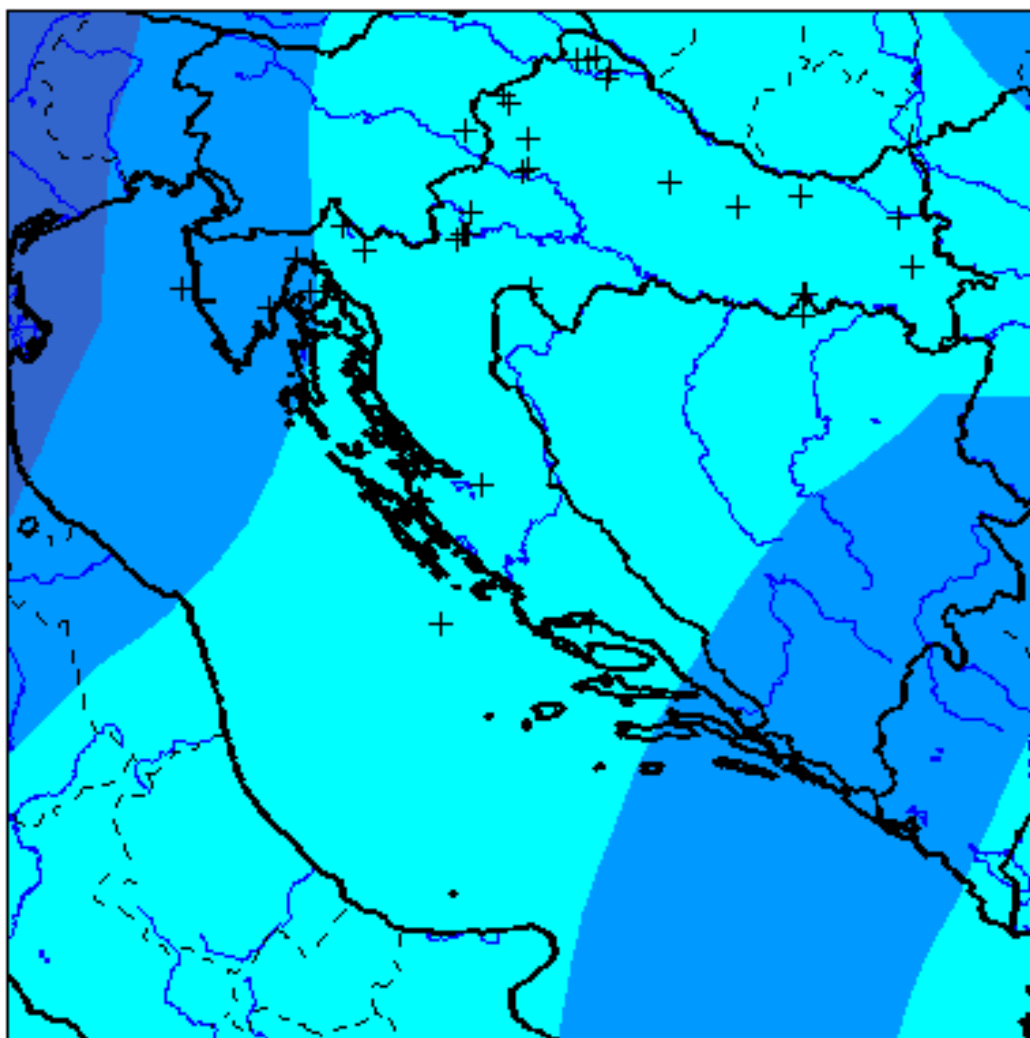
Cloud Cover

2011 March 01

44°N 16°E
(591 × 591 km)



GLOBE Student Data
265 total sites, 39 on map
As of 2011-10-16 16:45 UT

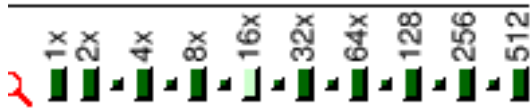




Maximum
Temperature

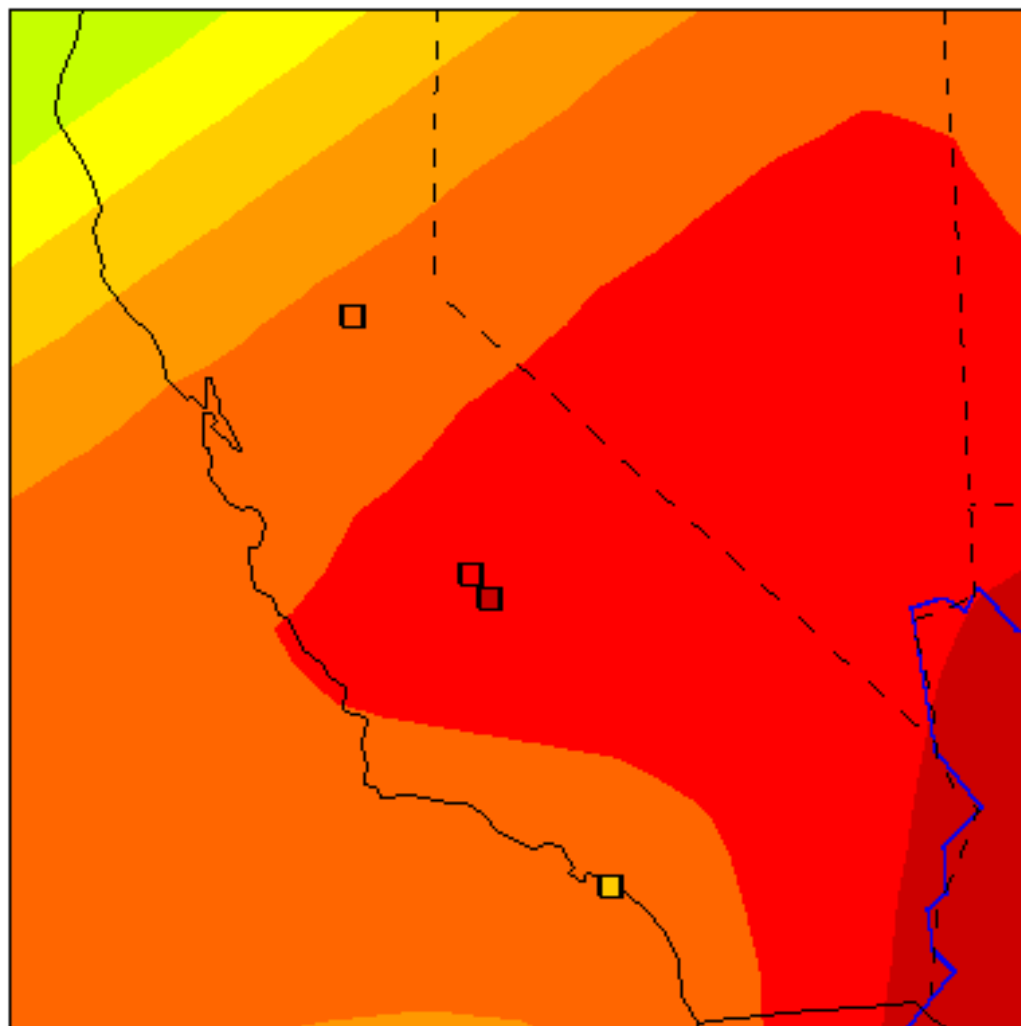
2002 August 23

37°N 119°W
(1001 × 1001 km)



Temperature (°C)

GLOBE Student Data
342 total sites, 5 on map
As of 2004-04-14 21:46 UT



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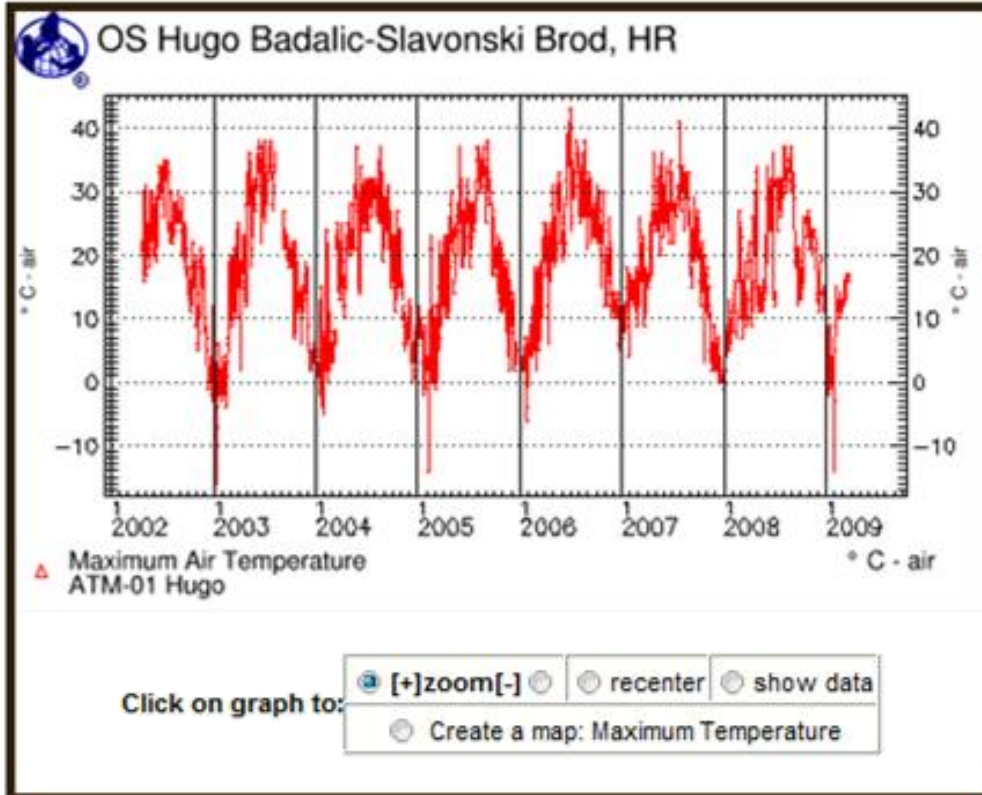
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grafički prikaz podataka iz GLOBE baze



određujemo razdoblje u kojem želimo prikazati podatke iz GLOBE baze



Graph Data and Display Selection

Dates
 Year: 2001 Month: 12 Day: 10
 through
 Year: 2009 Month: 10 Day: 16
 Or
 Select a pre-defined time period:
 SELECT DATES

Graph size
 small

Plot Type
 Combined Graph

Datasets (choose up to 6)
 CURRENTLY SELECTED DATASETS
 Maximum Temperature - ATM-01 Hugo [2941]

AIR TEMPERATURE
 --Maximum Temperature - ATM-03 PS Jelas [76]
 --Minimum Temperature
 --Current Temperature
 --Mean Temperature

Data (Y) Axis Range
 Use the data to determine the best range

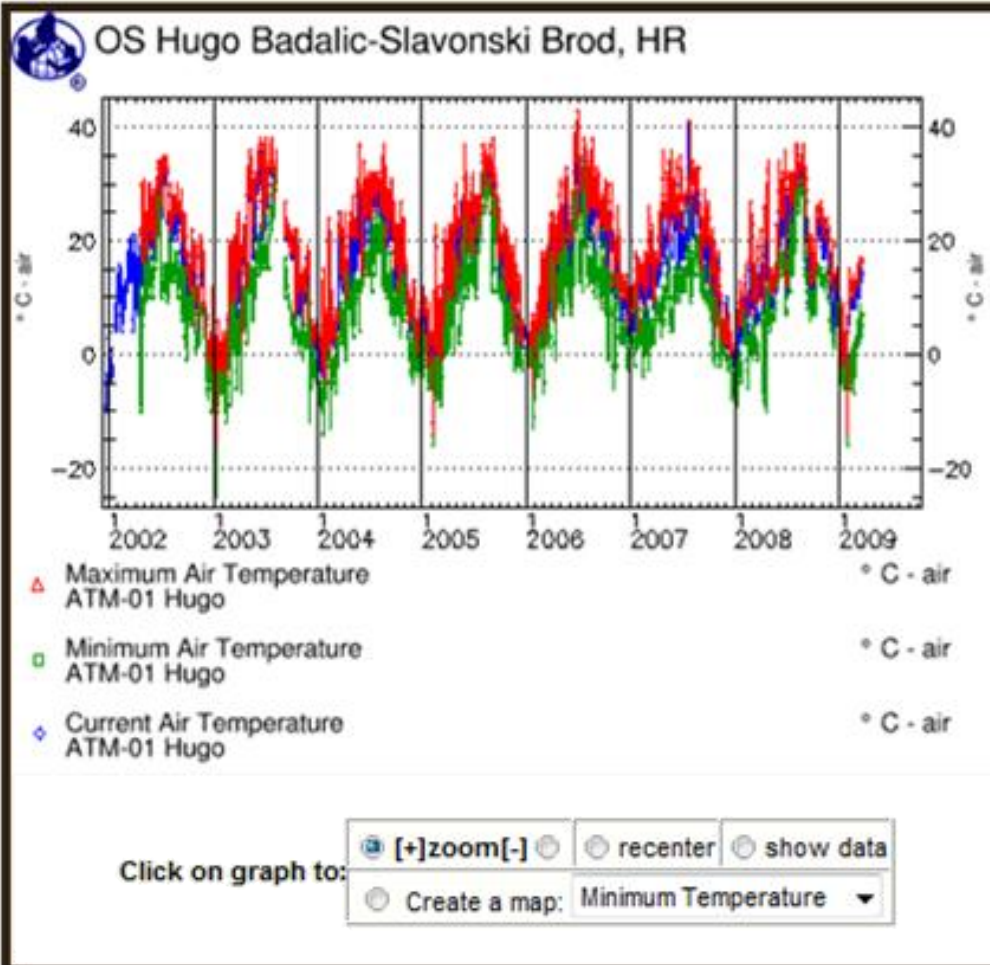
Redraw

veličina grafičkog prikaza



vrsta podat(a)ka koje želimo prikazati grafički





Graph Data and Display Selection

Dates
 Year: 2001 Month: 12 Day: 10 through Year: 2009 Month: 10 Day: 16
 Or
 Select a pre-defined time period:

Datasets (choose up to 6)

CURRENTLY SELECTED DATASETS

- Maximum Temperature - ATM-01 Hugo [2941]
- Minimum Temperature - ATM-01 Hugo [2941]
- Current Temperature - ATM-01 Hugo [3113]

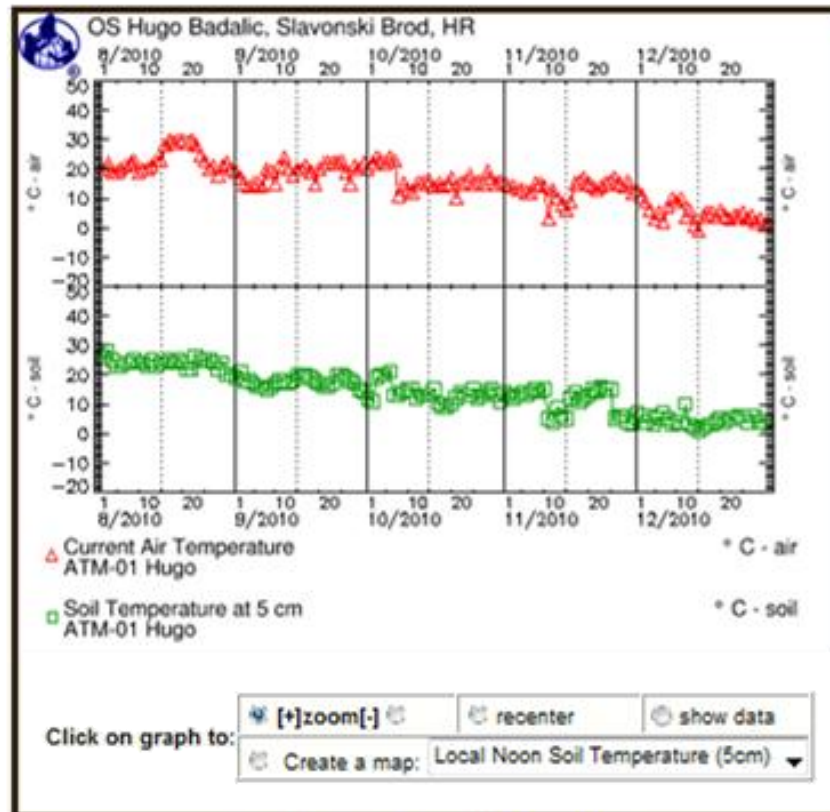
AIR TEMPERATURE

- Maximum Temperature - ATM-03 PS Jelas [76]
- Minimum Temperature - ATM-03 PS Jelas [76]

You may need to press a control or option key to choose more than one.

jednim grafičkim prikazom možemo prikazati više vrsta podataka iz GLOBE baze

GLOBE Graphs

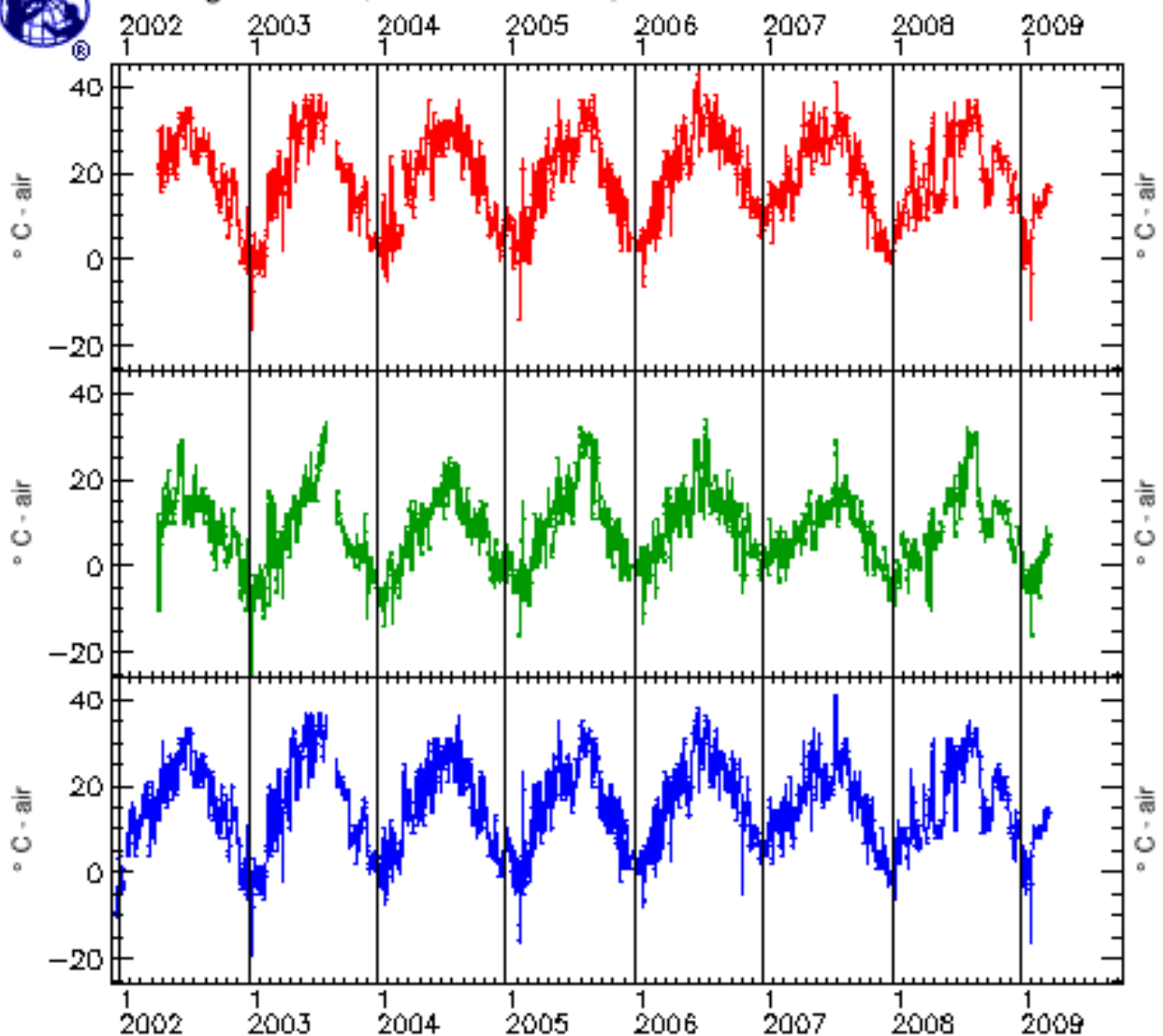


Graph Data and Display Selection

<p>Dates</p> <p>Year: 2010 ▼ Month: 08 ▼ Day: 01 ▼ through Year: 2010 ▼ Month: 12 ▼ Day: 31 ▼</p> <p>Or</p> <p>Select a pre-defined time period: <input type="button" value="SELECT DATES"/> ▼</p>	<p>Datasets (choose up to 6)</p> <p>CURRENTLY SELECTED DATASETS</p> <ul style="list-style-type: none">Current Temperature - ATM-01 Hugo [3113]Local Noon Soil Temperature (5cm) - ATM-01 Hugo [598] <p>AIR TEMPERATURE</p> <ul style="list-style-type: none">--Maximum Temperature - ATM-03 PS Jelas [76]--Maximum Temperature - ATM-01 Hugo [2941]--Minimum Temperature - ATM-03 PS Jelas [76] <p>You may need to press a control or option key to choose more than one.</p>
<p>Graph size</p> <p>small ▼</p>	<p>Data (Y) Axis Range</p> <p>Use a fixed range ▼</p>
<p>Plot Type</p> <p>Stacked Graph ▼</p>	
<p><input type="button" value="Redraw"/></p>	



OS Hugo Badalic, Slavovski Brod, HR



- △ Maximum Air Temperature ° C - air
ATM-01 Hugo
- Minimum Air Temperature ° C - air
ATM-01 Hugo
- ◇ Current Air Temperature ° C - air
ATM-01 Hugo

Kako izraditi prikaze podataka koji se prikupljaju više od jednom dnevno?

The screenshot shows the classic.globe.gov website in Internet Explorer. The browser's address bar contains the URL <http://classic.globe.gov/>. The website header includes the text "The GLOBE Program" and a "Sign In" link. A navigation menu below the header has tabs for "Home", "Projects", "For Students", "For Teachers", "For Scientists", and "For Partners". The "For Students" tab is selected, and a dropdown menu is open, listing various resources. The "Maps & Graphs:" section is highlighted, and within it, "Diurnal Graphs" is circled in red. Other items in the dropdown include "Research Projects:", "Data Entry", "Finding Data:", "GLOBE Scientists' Blog", "GLOBE Stars", "Chief Scientist's Honor Roll", "Elementary GLOBE", "Community & Events", "Quizzes:", "Maps", "Graphs", "Special Visualizations", "NASA World Wind", "Google Earth", "Investigation Activities", and "Tutorial".

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Diurnal Data

The following table represents sites at which data were recorded more than once per day or at times away from local solar noon.

Select the category of data, then press "Update Table" to refresh the list. Select items from the table and use the "Other Options" menu to view data or graphs for the selected sites.

<input type="checkbox"/>	[TL] HOBO Data Logger	(46 Sites)
<input type="checkbox"/>	[DL] Davis Station (Weather and Soil)	(90 Sites)
<input type="checkbox"/>	[WL] AWS WeatherNet Weather Station	(21 Sites)
<input type="checkbox"/>	[GL] GWS (General Weather Station)	(3 Sites)
<input type="checkbox"/>	[CT] Non-automated Air Temperature	(1059 Sites)
<input type="checkbox"/>	[CO] Clouds	(6649 Sites)
<input type="checkbox"/>	[BP] Barometric Pressure	(815 Sites)
<input type="checkbox"/>	[RH] Humidity	(1183 Sites)
<input type="checkbox"/>	[AZ] Aerosols	(155 Sites)
<input type="checkbox"/>	[OZ] Ozone	(125 Sites)
<input type="checkbox"/>	[TX] Surface Temperature	(921 Sites)
<input type="checkbox"/>	[ST] Non-automated Soil Temperature	(647 Sites)
<input type="checkbox"/>	[SM] Non-automated Soil Moisture	(571 Sites)

Update Table

Primjer: popis škola koje prikupljaju (i unose u GLOBE bazu) atmosferske podatke više od jednom dnevno

The table has been truncated to 50 entries.

[The complete table contains 7037 entries.](#)

Number of reports: TOT = Total (all measurement types), AT = Atmosphere, SW = Hydrology (Surface Water), LC = Land Cover, SO = Soil, PH = Phenology, MD = Metadata. xxatm = All Atmospheric Data (1995/01 - 2010/12) Click a column heading to sort the table by that column, or to reverse the sort order.

xxatm	TOT	AT	SW	LC	SO	PH	MD	Lat	Lon	Elev	Location and Name of School
#	#	#	#	#	#	#	#	deg	deg	m	Select the first fifty items Select None
313625	336135	314621	626	1791	18585	0	512	47.6688	19.0692	99	<input type="checkbox"/> Ferenes Gimnázium , Szentendre, PE, HU
220855	237556	237436	31	0	0	0	89	47.3332	16.6140	220	<input type="checkbox"/> Puskas Tivadar Fem- es Villamosipari Szakkepzo Iskola es Koll. , Szombathely, VA, HU
184231	562109	200491	4027	574	356144	457	416	50.6080	12.1675	314	<input type="checkbox"/> Mittelschule Elsterberg , Elsterberg, DE
146175	163351	146264	4345	14	12024	381	323	46.4217	19.4912	90	<input type="checkbox"/> Bibó István Gimnázium , Kiskunhalas, BK, HU
107837	265901	108299	14996	8	130772	11067	759	36.1972	-92.2688	253	<input type="checkbox"/> Norfolk Elementary School , Norfolk, AR, US
91767	92068	91767	109	4	0	7	181	47.6840	16.5906	235	<input type="checkbox"/> Szent Orsolya Romai Katolikus Alt. Iskola, Gimn. es Kollegium , Sopron, GS, HU
83302	92346	88059	1056	2511	608	8	104	47.3197	20.9218	91	<input type="checkbox"/> Karcagi Nagykun Református Gimnázium, Egészségügyi Szakközépisk. , Karcag, JN, HU
71939	71980	71964	0	0	0	0	16	50.6292	6.0262	290	<input type="checkbox"/> Konigliches Athenaum Eupen , Eupen, BE
69890	84511	69890	9859	0	4716	0	46	44.8817	-69.4459	114	<input type="checkbox"/> Hartland Consolidated School , Hartland, ME, US
69129	89248	74727	8501	5	5670	46	299	52.4203	10.7893	62	<input type="checkbox"/> Ratsgymnasium Wolfsburg , Wolfsburg, NI, DE
69051	80476	74613	4054	1195	367	68	179	58.1432	24.9428	38	<input type="checkbox"/> Kilingi-Nomme Gymnasium , Parnumaa, 67, EE
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66891	68951	66891	0	0	1950	0	110	58.4860	24.2450	100	<input type="checkbox"/> Tyri Gymnasium , Tyri, 67, EE
63868	64972	64030	672	0	0	138	132	51.5330	7.6830	97	<input type="checkbox"/> Ernst-Barlach Gymnasium Unna , Unna, NW, DE
61836	70113	63328	6771	0	0	0	14	50.4387	15.3523	275	<input type="checkbox"/> 4. Zakladni Skola - Ekolog. Praktikum , Jicin, CZKR, CZ
60100	106554	67900	38371	0	0	24	259	49.5758	8.5733	37	<input type="checkbox"/> Offene Schule Babenhausen , Babenhausen, HE, DE
58012	75609	61353	9151	661	4348	10	86	45.1604	18.0143	92	<input type="checkbox"/> Gimnazija Matija Mesic , Slavonski Brod, HR
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52165	58373	55537	2812	0	0	0	24	49.5420	15.3537	518	<input type="checkbox"/> Gymnazium Dr. A. Hrdlicky , Humpolec, CZVY, CZ

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View graphs for sites that collect data more than once per day or at times away from solar noon, including automatically logged weather and soil data.

Soil Profile

View color, texture, moisture, density, and other data for soil characterization sites.

Green-up/Green-down Site Visualization

See a visual summary of green-up/green-down data, including leaf length, color, temperature, and precipitation data.

Lilac Site Visualization

See a visual summary of lilac data, including budburst dates, bloom dates, temperature, and precipitation data.

Land Cover Assessment Matrix

Examine the matrix of MUC values measured at several sites compared to the MUC values estimated from the MultiSpec image analysis.

GLOBE Site Photos

Pictures of GLOBE sites around the world!

The table has been truncated to 50 entries.

[The complete table contains 7037 entries.](#)

Number of reports: TOT = Total (all measurement types), AT = Atmosphere, SW = Hydrology (Surface Water), LC = Land Cover, SO = Soil, PH = Phenology, MD = Metadata. xxatm = All Atmospheric Data (1995/01 - 2010/12) Click a column heading to sort the table by that column, or to reverse the sort order.

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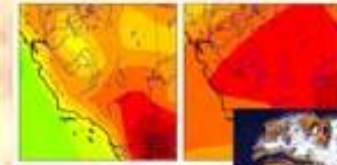
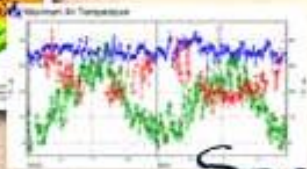
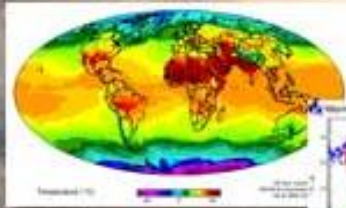
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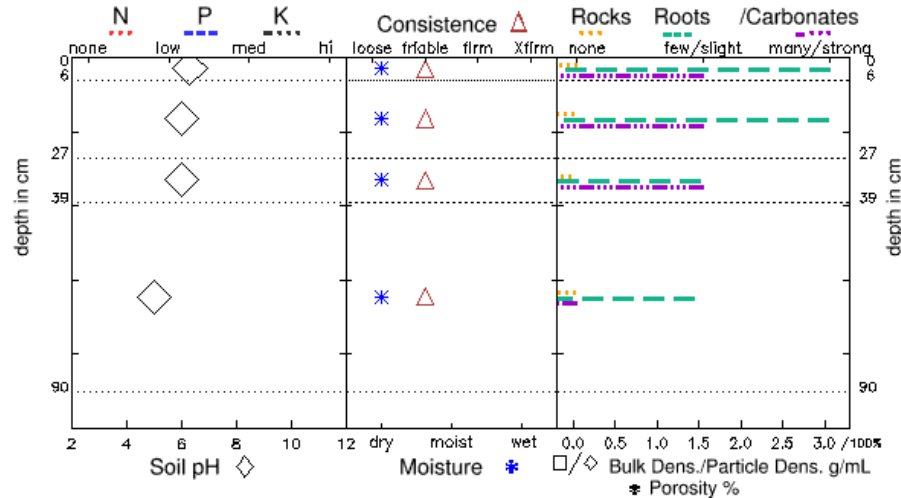
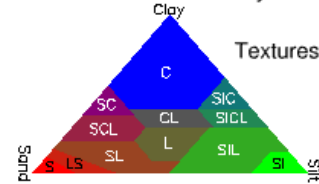
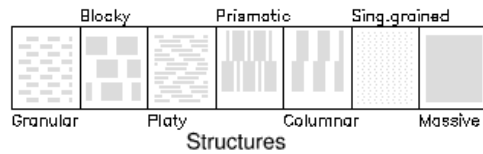
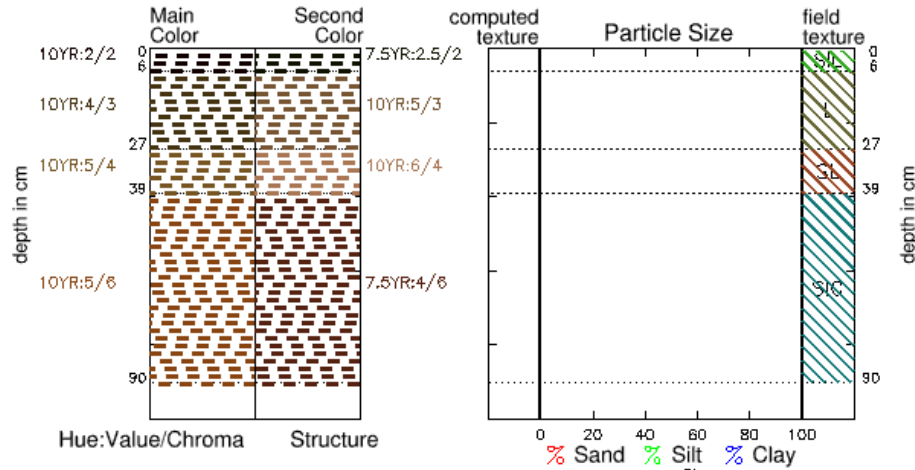
SCS-07 - 20041208 - KOZJACA

45.4869°N, 15.5335°E, 77.7 m

4 Horizons Auger Hole, of Parent Material: Unchecked

Slope of Site: Unchecked, Up Slope Direction: Unchecked

bulk density method: Unchecked, pH method: Paper



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Tehnicka skola Daruvar, Daruvar

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OS Dubovac
Karlovac, HR, HR

Map Data	Validation Data				
	NC*	1123	1221	821	Row Totals
NC*				1	1
1123			1		1
1221					
821					
Column Totals			1		1

*NC (Not Classified) - MUCs that were not classified on both the map and the ground are not included in the row and column totals.

$$\text{Overall Accuracy} = \frac{\text{Diagonal Total } 0}{\text{Grand Total } 1} = 0 * 100\% = 0\%$$

User's Accuracy

1123 : 0/1 = 0 %

1221 : 0/0 = ---

821 : 0/0 = ---

Producer's Accuracy

1123 : 0/0 = ---

1221 : 0/1 = 0 %

821 : 0/0 = ---

Ground	Map	Site	Date	Date	Lat	Lon	Elev	Site ID	Location and Name of School
	MUC	MUC	Type		Ground	Map	deg	deg	m
1221	1123	LCS	20051010	20051108	45.4869	15.5335	69	LCS-01 KOZJACA - SUMA	OS Dubovac , Karlovac, HR (TOT=38580 AT=21955 SW=8371 LC=3864 SO=4230 PH=2 MD=158)
821	--	LCS	20060424	--	45.4884	15.5355	65	LCS-02 ATM.P.-KUCICA	OS Dubovac , Karlovac, HR (TOT=38580 AT=21955 SW=8371 LC=3864 SO=4230 PH=2 MD=158)