

**10th Jubilee International Conference
Cartography and Geoinformation
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StatPlanet Possibilities and Applications

**Ivka Kljajić and Zoran Božičković
Faculty of Geodesy, University of Zagreb**

StatPlanet

- ◎ It is powerful interactive data visualization tool
- ◎ It can be used to create maps and graphs which are fully customizable
- ◎ Data visualization is enabled by Adobe Flash Player
- ◎ It enables to explore statistics through its user-friendly interface
- ◎ StatPlanet was produced by StatSilk, an Australian company founded by Frank van Cappelle
- ◎ StatPlanet won the first prize of the World Bank's competition – *Apps for Development* in 2011

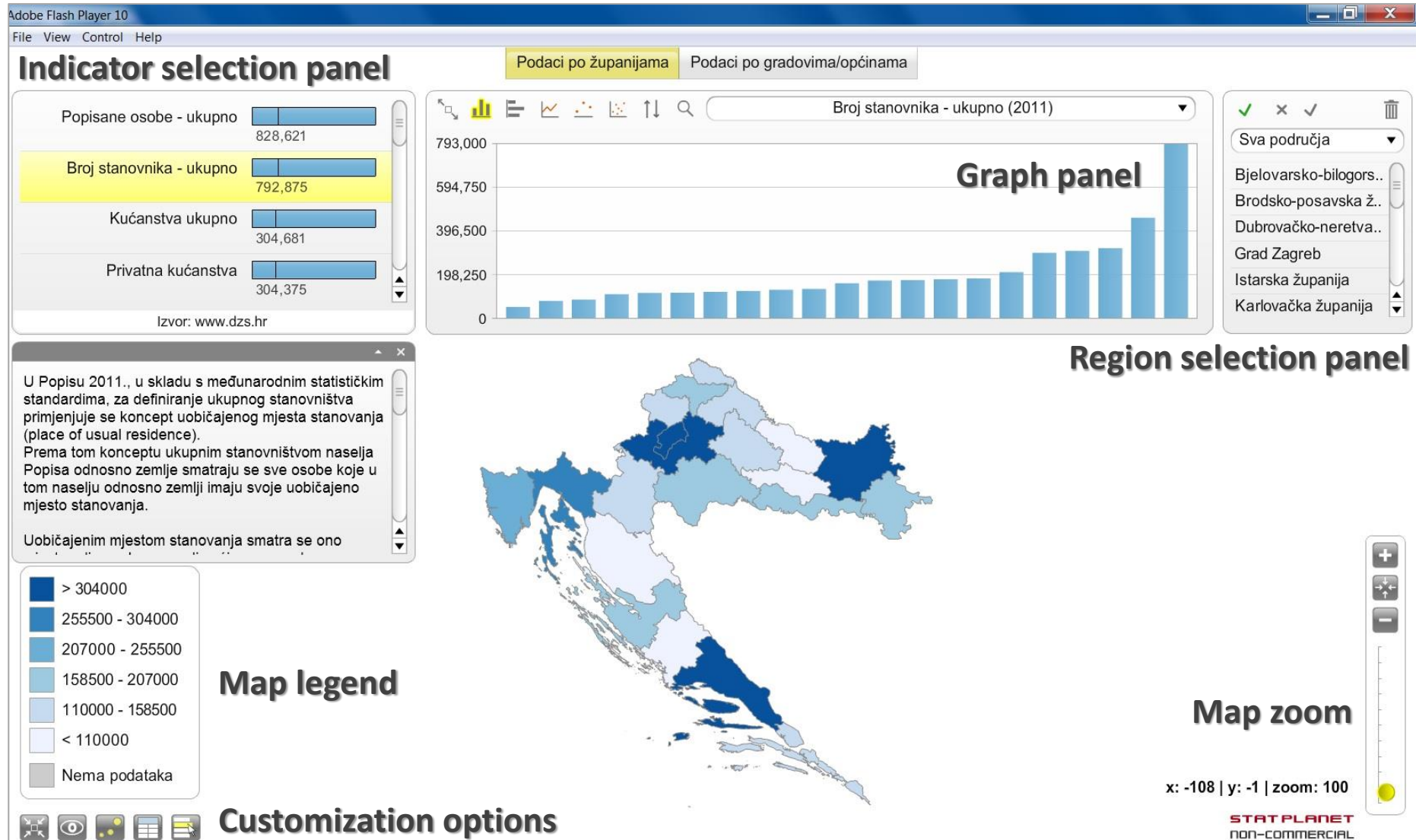
StatPlanet

- ◎ It is used by many different kinds of organizations such as UNESCO, International Association for the Evaluation of Educational Achievement, European Commission, World Bank and others
- ◎ Company website features is a list with more than 400 interactive world maps covering areas such as health, education, crime, economy, environment, population for all countries, which indicates a wide range of application
- ◎ It can be used as education software for children (ages 9 and more) to learn about the world through interactive maps

StatPlanet – comparison of available desktop versions

Features	StatPlanet	StatPlanet Plus	StatPlanet Lite
Shapefile map support	no	yes	yes
Custom Flash map support	no	yes	yes
Export (map, graphs...)	no	yes	no
Statistics (st.dev, range)	no	yes	no
Graph types	4	6	-
Raster maps	no	yes	no
Advanced tables	no	yes	no
Cost: Desktop version, non-commercial	free	free	free

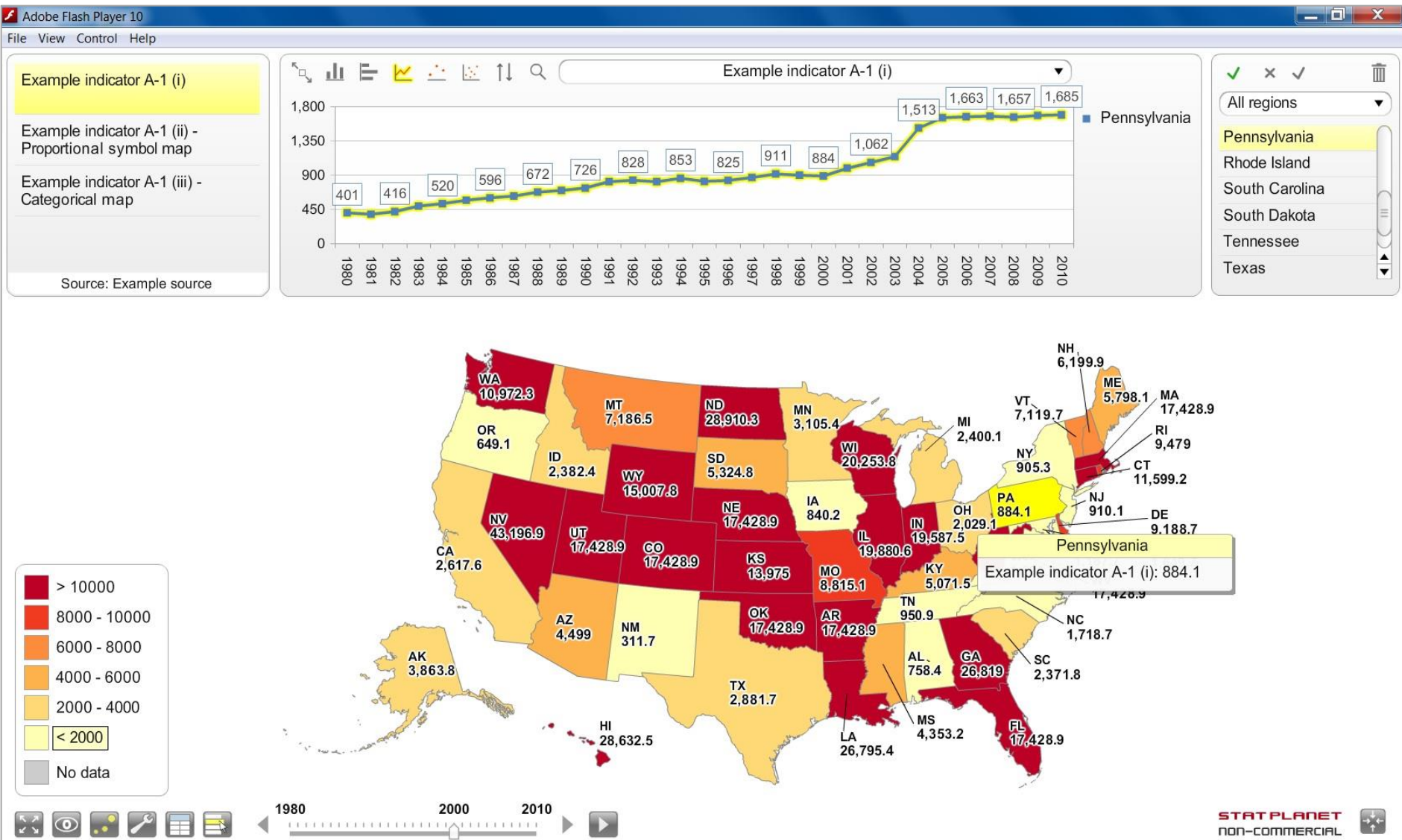
StatPlanet Plus user interface



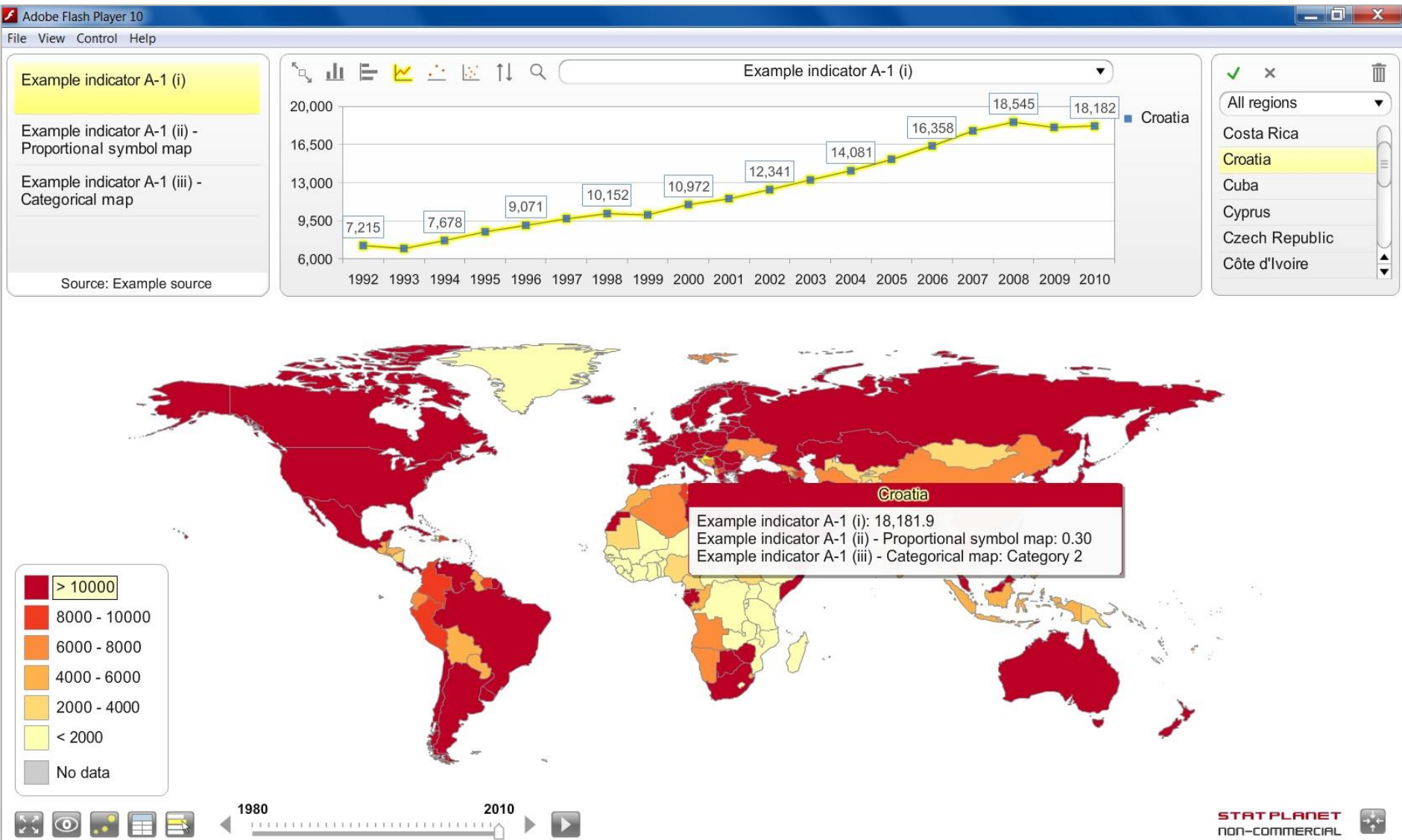
StatPlanet Plus – creating interactive map

Folders obtained by downloading the StatPlanet Plus software from the company website <http://www.statsilk.com/> are:

- © *Custom_Flash_Maps*
- © *Shapefile_map_(ESRI)*
- © *USA_map*
- © *World_map*



User interface of the StatPlanet Plus application
within the folder *USA_map*



User interface of the StatPlanet Plus application
within the folder *World_map*

StatPlanet Plus – creating interactive map of the Republic of Croatia

Creating an interactive map in the folder *Shapefile_map_(ESRI)* includes the following steps:

- ◎ Downloading data
- ◎ Importing shapefile map
- ◎ Importing attribute data
- ◎ User interface customization

Downloading data

Downloading shapefile maps of the Republic of Croatia

Croatian Bureau of Statistics (www.dzs.hr)

- ◎ *Croatia_county.shp* – map of the Republic of Croatia with administrative division by counties
- ◎ *Croatia_municipality.shp* – map of the Republic of Croatia with administrative division by cities/municipalities



Map of the Republic of Croatia
with administrative division by counties



Map of the Republic of Croatia
with administrative division by cities/municipalities

Downloading data

Downloading attribute data

Croatian Bureau of Statistics (www.dzs.hr)

- ◎ Settlements and Population of the Republic of Croatia (1857 – 2001)
 - ◎ Data on areas, the number of cities, municipalities, settlements and former settlements by counties (2001)
 - ◎ Population by counties (1857 – 2001)
- ◎ Census 2011 – First results
 - ◎ Data on the number enumerated persons, population, households, private households, housing units and residential units – apartments for permanent residence by counties and cities/municipalities

Importing shapefile map

- ⊙ Merging downloaded shapefiles into one shapefile in QGIS
- ⊙ Importing the merged shapefile in StatPlanet Plus – copy to subfolder *map* in the folder *Shapefile_map_ (ESRI)*
- ⊙ Setting the merged shapefile in the file *StatPlanet_data_editor*

Setup shapefile map

1. Clear data

2. Import data

3. Save data

Settings

Time series ▼

Note: the buttons on the left only function if Macros are enabled in Excel.

CATEGORY	TIME	INDICATOR	SOURCE	DESCRIPTION	UNIT	MAP
Podaci po županijama						
>Podaci popisa 2001	2001		www.dzs.hr			
		Broj gradova		jedinica lokalne		
		Broj općina		jedinica lokalne		
		Broj naselja		prostorna		
		Broj bivših naselja		prostorna		
>Podaci popisa 2011	2011		www.dzs.hr			
		Popisane osobe - ukupno		broju ukupno		

Importing attribute data

Data file structure

CATEGORY	TIME	INDICATOR	SOURCE	DESCRIPTION	UNIT	MAP	GRAPH	FILE	OPTIONS	ID
Podaci po županijama										
>Podaci popisa 2001	2001		www.dzs.hr						y=[2000]	
		Broj gradova		samouprave na istoj razini						
		Broj općina		lokalne samouprave,						
		Broj naselja		jedinica koja se sastoji od						
		Broj bivših naselja		jedinica koja se sastoji od						
>Podaci popisa 2011	2011			CATEGORY	TIME					INDICATOR
		Popisane osobe - ukupno		Category						
		Broj stanovnika - ukupno		Sub-Category 1	2010					
		Kućanstva ukupno								Indicator 1a
		Privatna kućanstva								
		Stambene jedinice - ukupno								Indicator 1b
		Stambene jedinice - stanovi za stalno stanovanje								
>Promjena broja stanovnika kroz godine	2011									
		Broj stanovnika po županijama								
	2001									
		Broj stanovnika po županijama			2009					
	1991									Indicator 1a
		Broj stanovnika po županijama								Indicator 1b
	1981									
		Broj stanovnika po županijama								
	1971									
		Broj stanovnika po županijama		Sub-Category 2	2010					
	1961									Indicator 2a
										Indicator 2b
										Indicator 2c
					2009					
										Indicator 2a
										Indicator 2b
										Indicator 2c

File StatPlanet_data_editor.xlsm
worksheet *Import*

User interface customization

Interface translation

Translations		Change Language		
Component	Description	Variables	English	Hrvatski
View menu	View popup	T_VIEW	Show / hide	Prikaži / sakrij
	View menu 1	T_VIEW0	Map area labels	Oznake / Imena na karti
	View menu 2	T_VIEW1	Abbreviation	Kratice
	View menu 3	T_VIEW2	ISO Code	ISO kod
	View menu 4	T_VIEW3	Name	Naziv
	View menu 5	T_VIEW4	Value / Label	Vrijednosti
	View menu 6	T_VIEW5	Popup	Skočni prozor
	View menu 7	T_VIEW6	Bar chart	Položeni stupčasti grafikon
	View menu 8	T_VIEW7	Indicator name	Ime pokazatelja / indikatora
	View menu 9	T_VIEW8	All indicators	Svi pokazatelji / indikatori
	View menu 10	T_VIEW9	Symbol map	Karta točaka
	View menu 11	T_VIEW10	Panels	Dijaloški okviri
	View menu 12	T_VIEW11	Graph	Grafikoni
	View menu 13	T_VIEW12	Indicators	Pokazatelji / indikatori
	View menu 14	T_VIEW13	Map legend	Legenda
	View menu 15	T_VIEW14	Options	Mogućnosti
	View menu 16	T_VIEW15	Select	Izbornik područja
	View menu 17	T_VIEW16	Table	Tablica podataka
	View menu 18	T_VIEW17	Graph labels	Oznake na grafikonima
Export panel	Export map	T_EXP-M	Export map	Izvoz karte
	Export data	T_EXP-D	Export data	Izvoz podataka

File *StatPlanet_data_editor.xlsm* – worksheet *Text-Translations*

User interface customization

Interface translation

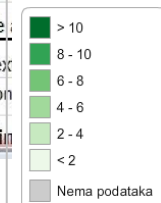
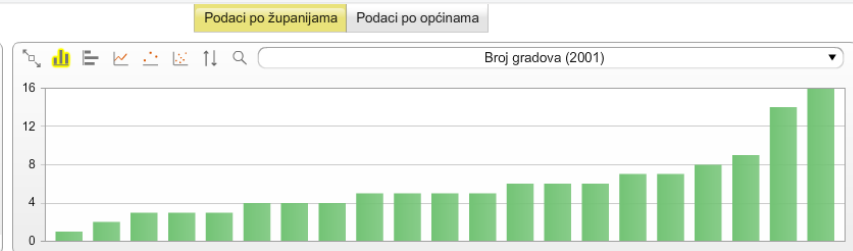
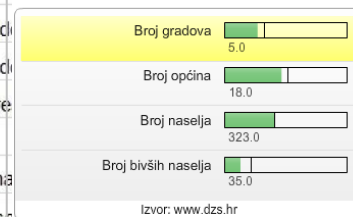
Settings		Save settings	Restore default settings	Back to Import screen
Hrvatski ▼	LANGUAGE	6	Select a language from the drop-down menu. Translations can be edited in the sheet Text-Translations. For non-Latin based languages change the format to 'TXT' (variable FORMAT below) and remove the .CSV files.	
Sva područja ▼	REGION	1	Select a region from the drop-down menu. This will be the map region shown when StatPlanet starts. Custom regions can be defined in the sheet 'Map regions'.	
.DBF - ID column	DBF-ID	GEOID	Only for shapefile map: ID Column header text in the map's .DBF file	
Startup options	GRAPH	3	Selected graph type: Time series ▼	
	HELP	FALSE	☐ Startup with help screen	
	SEL-IND	10	Selected indicator on start up (insert indicator row in sheet Import, for the first year in the series). Insert 'none' for no indicator selected on startup (otherwise defaults to the first indicator)	
	B-IND	-	Selected bookmarked (2nd) indicator on startup, as above. Graph type needs to be 'Scatter plot'.	
	THEME	1	Default/dark interface theme: Default ▼	
	REGION-L	-	Draw map lines to text labels - insert country/region codes seperated by a space	
	TXT-COORD	-	Text label coordinates (right-click in StatPlanet, copy coordinates, then paste here)	
	REGION-S	-	Pre-selected countries/regions (insert country/region codes with space inbetween)	
	GRAPH-M	FALSE	☐ Startup with graph maximized	
	TOPMENU	TRUE	☒ Include top menu displaying the categories - StatPlanet Plus / StatTrends Plus only	
	PLAY	FALSE	☐ Play time animation on startup	
	FORMAT	2	Data format: TXT (tab-separated values) ▼	
Show / hide interface components	V-REGION	TRUE	☒ Show region selection menu	
	V-ICONS	TRUE	☒ Show (or hide) all icons	
	V-I-VIEW	TRUE	☒ Show view icon	

Import Import names Data Help Map regions Settings Text-Translations Tools License

File StatPlanet_data_editor.xlsm – worksheet Settings

- Worksheet *Settings* lists over 200 customization options to fully customize the user interface and functionality
- Changing the color of interactive map and user interface

Map colors (HEX code)	MAP-CLR0	0x003D99	Map legend 1: Highest value color for map legend
	MAP-CLR1	0x0052CC	Map legend 2: Inbetween color (lowest value color for map with 2 color classes)
	MAP-CLR2	0x0066FF	Map legend 3: Inbetween color (lowest value color for map with 3 color classes)
	MAP-CLR3	0x3385FF	Map legend 4: Inbetween color (lowest value color for map with 4 color classes)
	MAP-CLR4	0x66A3FF	Map legend 5: Inbetween color (lowest value color for map with 5 color classes)
	MAP-CLR5	no color	Map legend 6: Inbetween color (lowest value color for map with 6 color classes)
	MAP-CLR6	no color	Map legend 7: Inbetween color (lowest value color for map with 7 color classes)
	MAP-CLR7	no color	Map legend 8: Inbetween color (lowest value color for map with 8 color classes)
	MAP-CLR8	no color	Map legend 9: Lowest value color for map with 9 color classes
	MAP-BG-I	0xFFFFFFFF	Map background color - inner (radial gradient)
	MAP-BG-O	0xFFFFFFFF	Map background color - outer (radial gradient)
	MAP-BRDR	0x888888	Map borders color
	MAP-BRDR2	0x888888	Map borders color for ad
	MAP-BRDR3	0x888888	Map borders color for ad
	MAP-NTRL	0xEEEEEE	Map excluded color - are
	MAP-ND	0xC0C0C0	Map no data color
	MAP-ND2	0xC0C0C0	Map no data color for ma
	MAP-OVER	0xFFFF00	Map area mouse-over co
	MAP-LINE-CLR	0x000000	Map lines color (lines link
	MAP-S-CLR	0x111111	Map symbol color
	MAP-S-BRDR-CL	0xA2A2A2	Map symbol border color
Graph options	MAP-TXT-C1	0x000000	Map text color
	MAP-TXT-C2	0xFFFFFFFF	Map text border / outline
	MAP-TXT-C2A	100	Map text border / outline
	GR-TXT-S	100	Graph country/region tex
	V-I-COL	TRUE	☒ Show column chart icon



User interface customization

Story panel

- ⊙ Worksheet *Import* – column ‘DESCRIPTION’
- ⊙ For description of categories and indicators

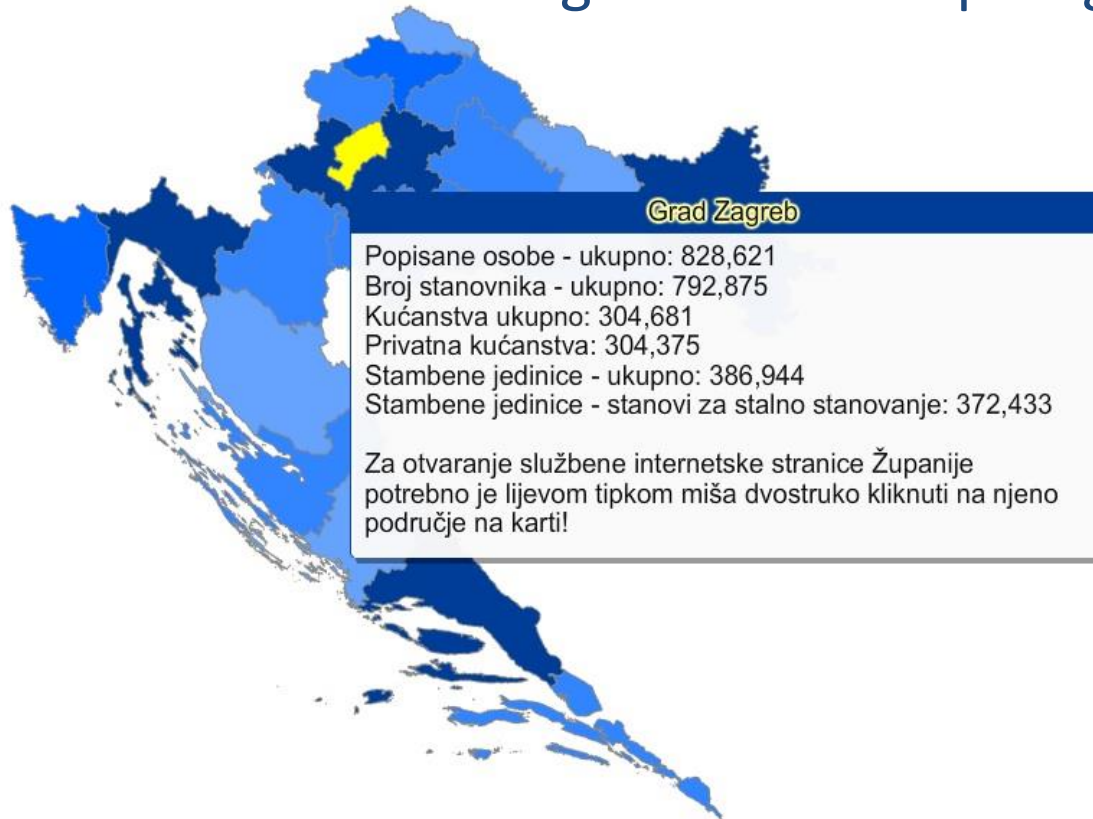
The screenshot shows the Microsoft Excel interface with the 'Import' worksheet selected. The ribbon includes File, Home, Insert, Page Layout, Formulas, Data, Review, and View. The 'Import' worksheet contains a custom interface with buttons for 'Setup shapefile map', '1. Clear data', '2. Import data', '3. Save', and 'Settings'. The 'Settings' panel includes checkboxes for 'Show help', 'Show graph', 'Show map text labels', 'Show region', 'Show indicator panel options', and 'Show indicator panel country stats'. A note states: 'Note: the buttons on the left only function if Macros are enabled in Excel.' Below the settings is a table with columns: CATEGORY, TIME, INDICATOR, SOURCE, DESCRIPTION, UNIT, MAP, GRAPH, FILE, OPTIONS, and ID. The table contains data for 'Podaci popisa 2011' and 'Stanovništvo prema vjeroispovjesti'.

CATEGORY	TIME	INDICATOR	SOURCE	DESCRIPTION	UNIT	MAP	GRAPH	FILE	OPTIONS	ID
>Podaci popisa 2011	2011	Popisane osobe - ukupno	www.dzs.hr	osobe koje su popisane Popisom, dakle osobe za koje je						
		Broj stanovnika - ukupno		s=[U Popisu 2011., u skladu s međunarodnim statističkim						
		Kućanstva ukupno		standardima, za definiranje ukupnog stanovništva primjenjuje se						
		Privatna kućanstva		koncept uobičajenog mjesta stanovanja (place of usual						
		Stambene jedinice - ukupno		residence).						
		Stambene jedinice - stanovi za stalno stanovanje		Prema tom konceptu ukupnim stanovništvom naselja Popisa						
>Stanovništvo prema vjeroispovjesti	2011	Katolici	www.dzs.hr	odnosno zemlje smatraju se sve osobe koje u tom naselju						
		Pravoslavci		odnosno zemlji imaju svoje uobičajeno mjesto stanovanja.						
		Protestanti		Uobičajenim mjestom stanovanja smatra se ono mjesto gdje						
		Ostali kršćani		osoba provodi većinu svoga dnevnog vremena bez obzira na						
		Muslimani		kratkotrajnu odsutnost iz tog mjesta (npr. zbog odlaska na						
		Židovi		odmor, putovanje, liječenje, u posjet i sl.).						
		Istočne religije		U skladu s definicijom uobičajenog mjesta stanovanja, ukupan						
				broj stanovnika treba obuhvatiti:						

User interface customization

Map area popup text and links

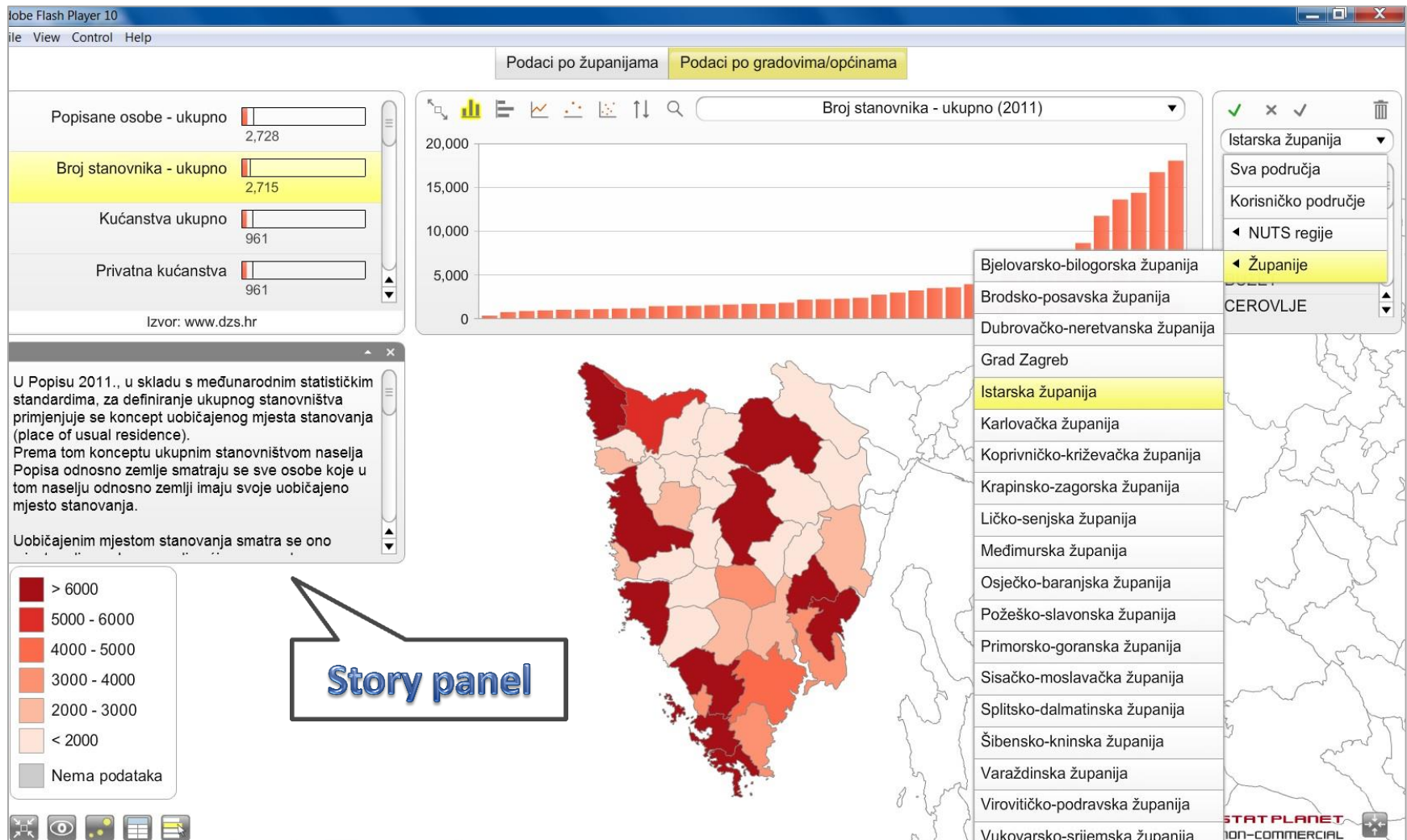
- © Worksheet *Import* – information needs to be added in the first row in the empty cell below the corresponding region
- © Region specific information can be shown in a popup when the mouse moves over the region in the map or graph panel

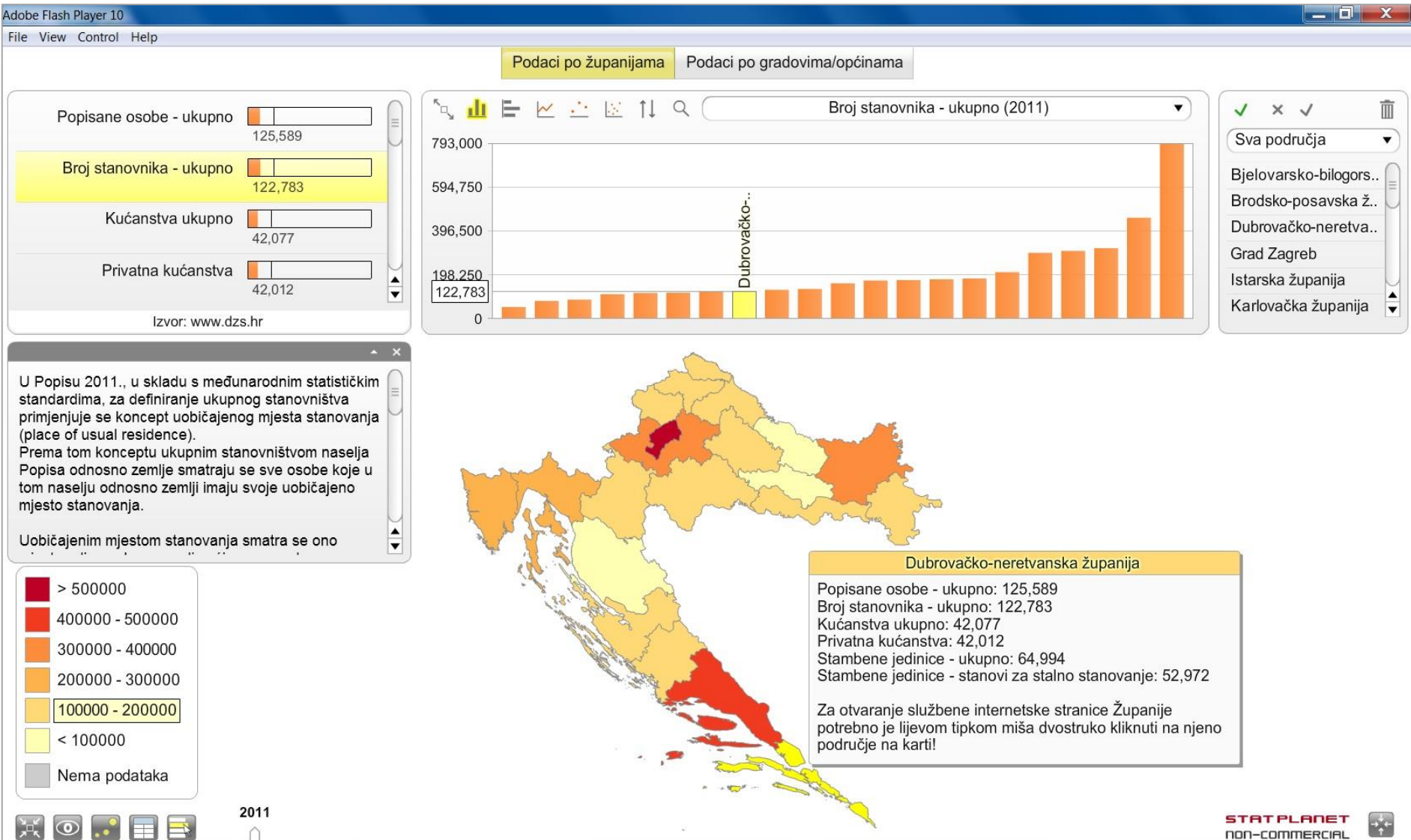


User interface customization

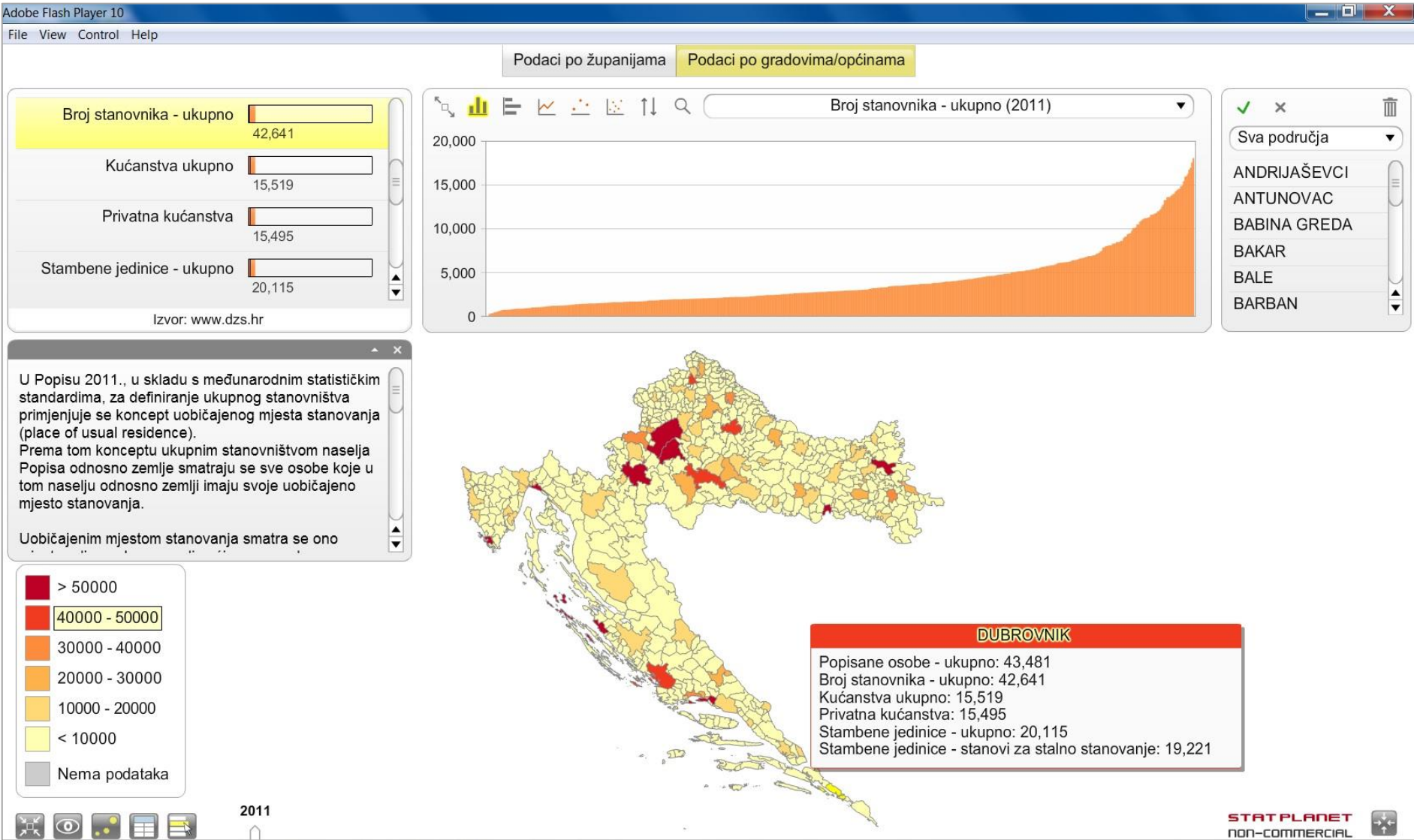
Custom 'zoom-to' map regions or groups

- Worksheet *Map regions* – it can be added or modified 'zoom-to'

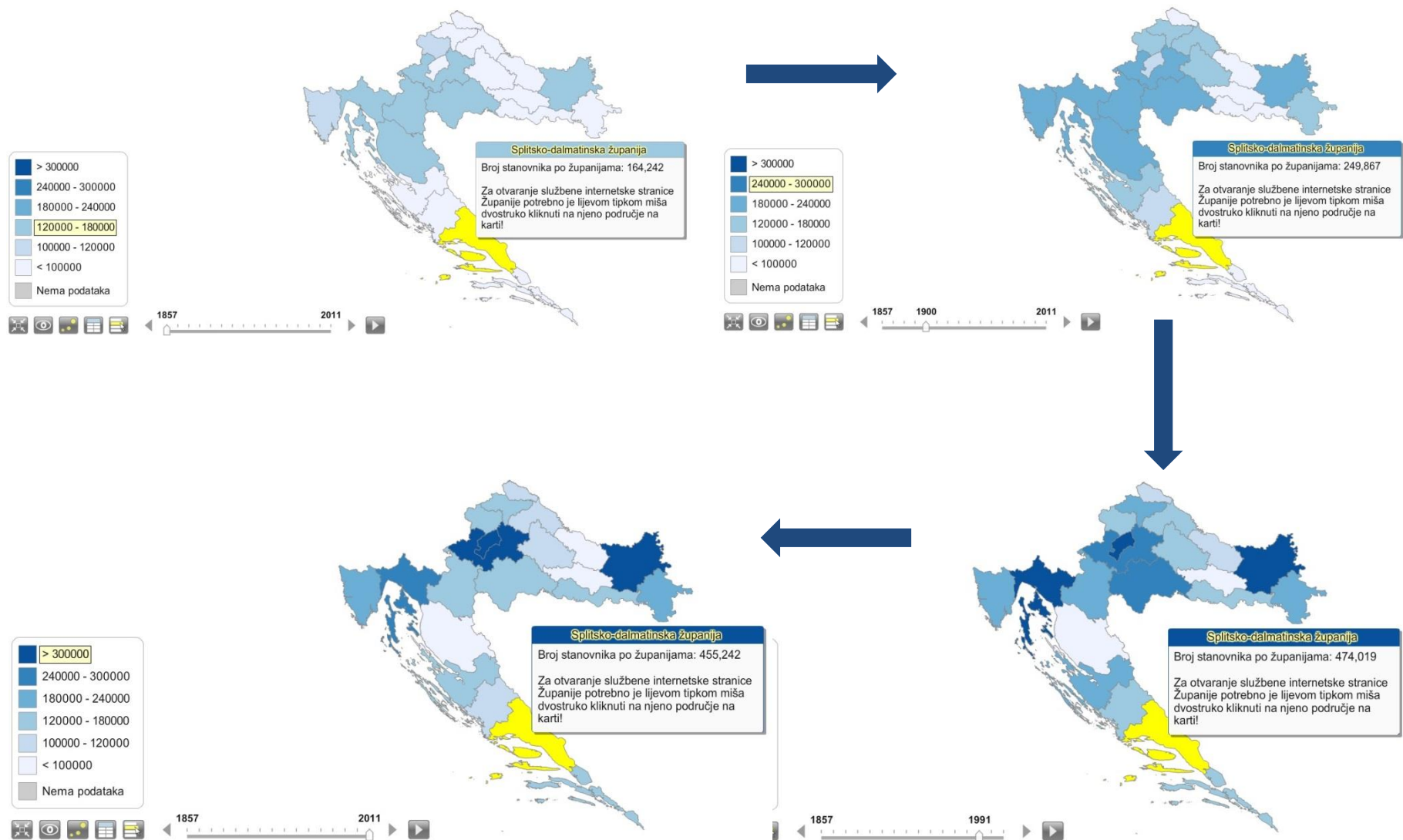




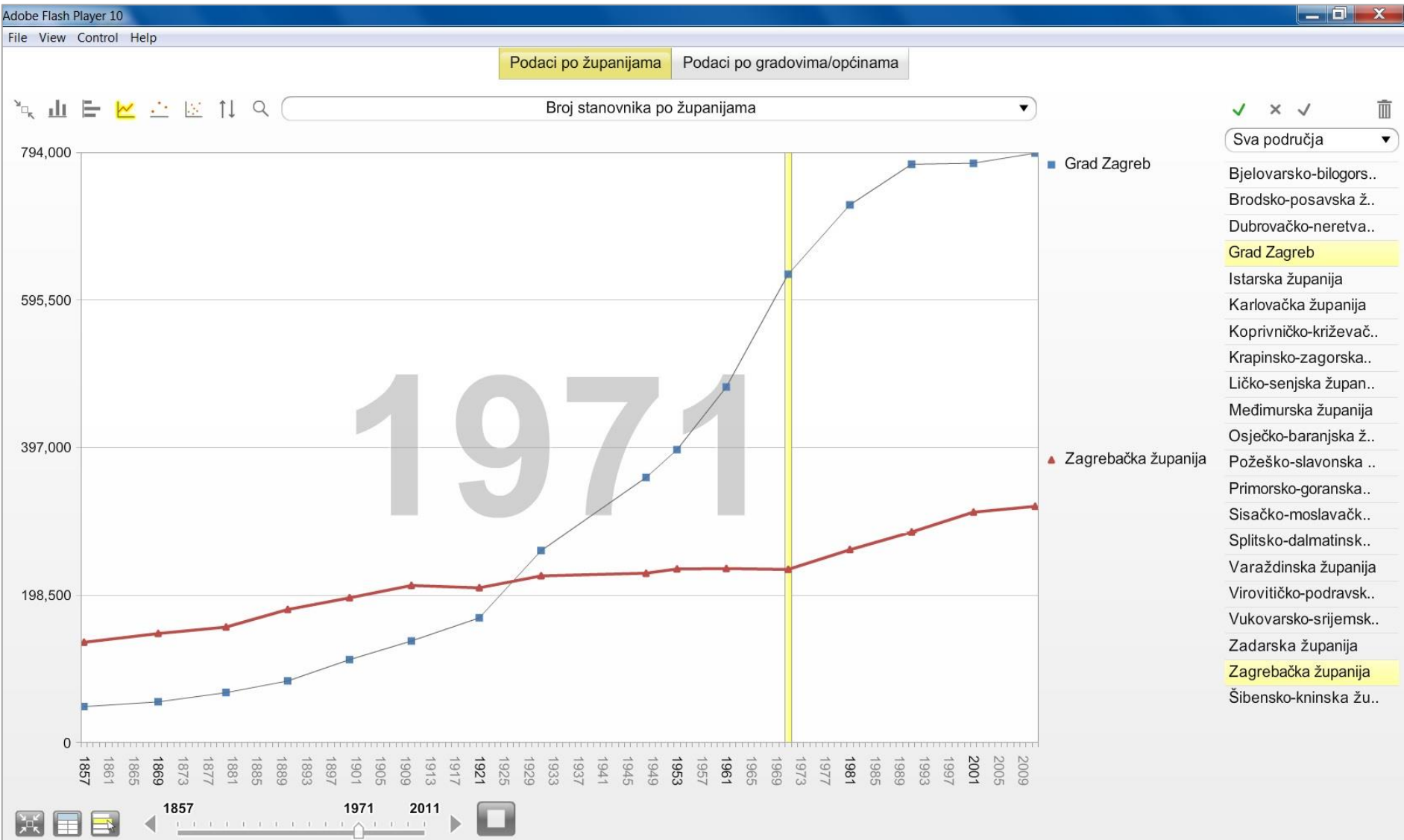
Interactive map of the Republic of Croatia
administrative division by counties



Interactive map of the Republic of Croatia
administrative division by cities/municipalities



Interactive map of the Republic of Croatia
population changes by counties (1857 – 2011)



Time series graph – *population changes by the Zagreb County and the City of Zagreb (1857 – 2011)*

Barbara Petchenik Award Children's World Drawing Competition

- ◎ The Barbara Petchenik Award was created by the International Cartographic Association (ICA) in 1993 as a memorial for Barbara Petchenik
 - ◎ She was Vice President of the ICA and cartographer who had a lifelong interest in maps for children
- ◎ The awards are given out every two years during the International Cartographic Conference
 - ◎ If possible, at least one award is given to each continent, with special attention paid to the age of the author
 - ◎ ICA member nations (including Croatia) send maps produced by children under 16

Croatia

at the International Children's Drawings Exhibitions



Barcelona 1995



Stockholm 1997



Ottawa 1999



Beijing 2001



Durban 2003



A Coruña 2005



Moscow 2007



Santiago 2009



Paris 2011

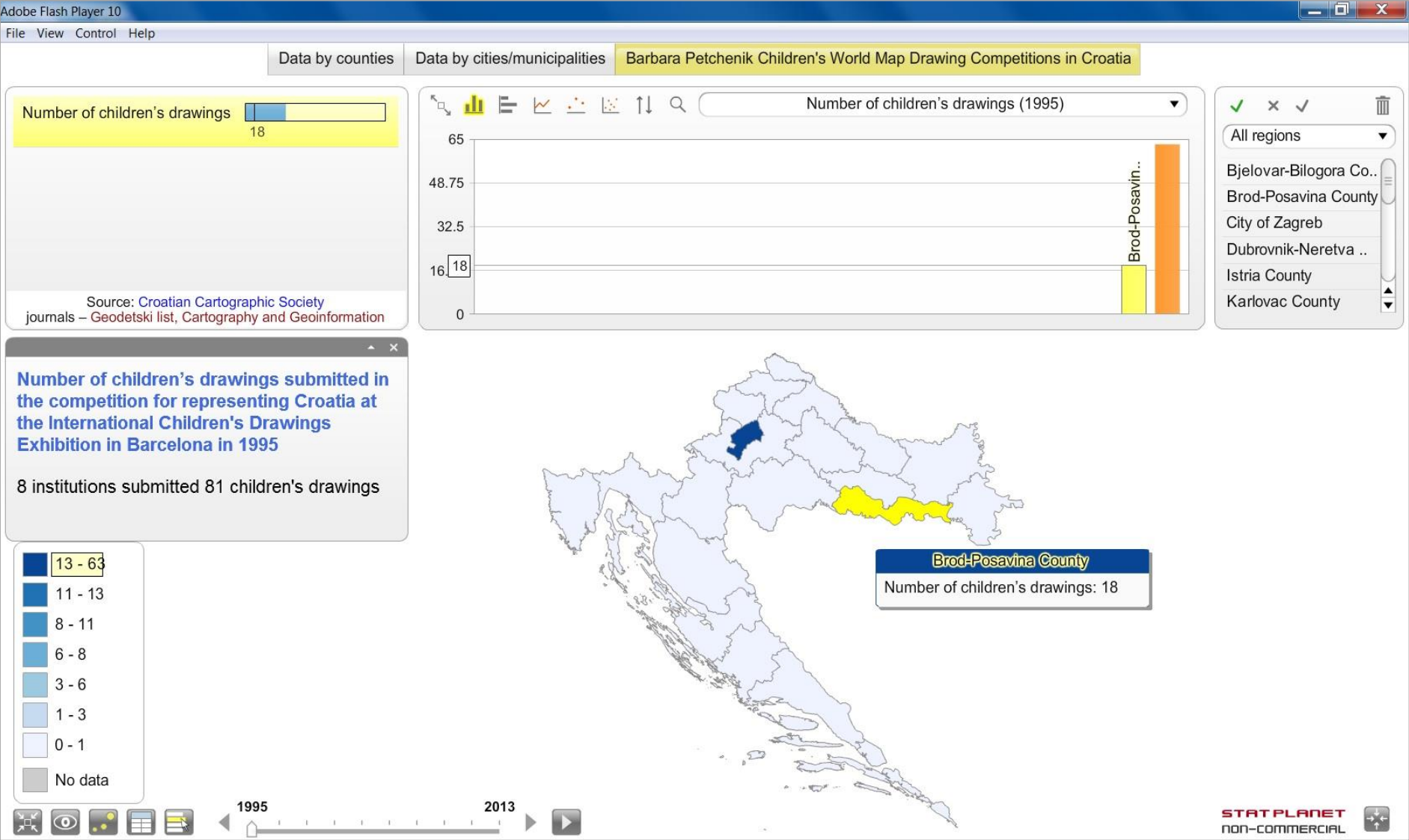


Dresden 2013

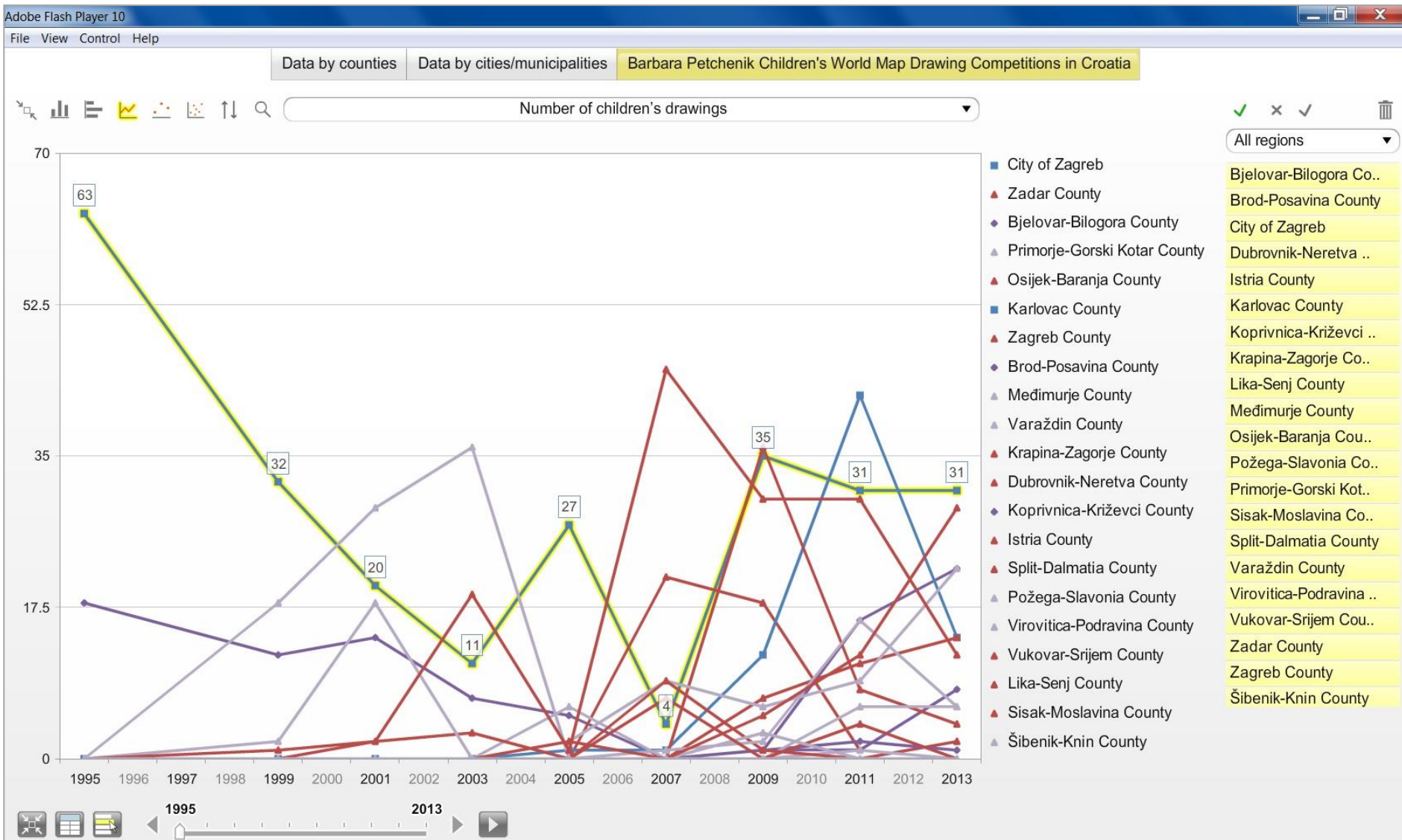
The competition in Croatia was executed by the Section for Cartography of the Croatian Geodetic Society until 2001, and the Croatian Cartographic Society has organized since 2003.



Anita Matković (age 14): *Compass Card*
Stockholm 1997 – it was one of the winners



Interactive map of the Republic of Croatia – *number of children's drawings submitted in the competition in 1995*



Time series graph – *number of children's drawings submitted in 10 competitions*



0.

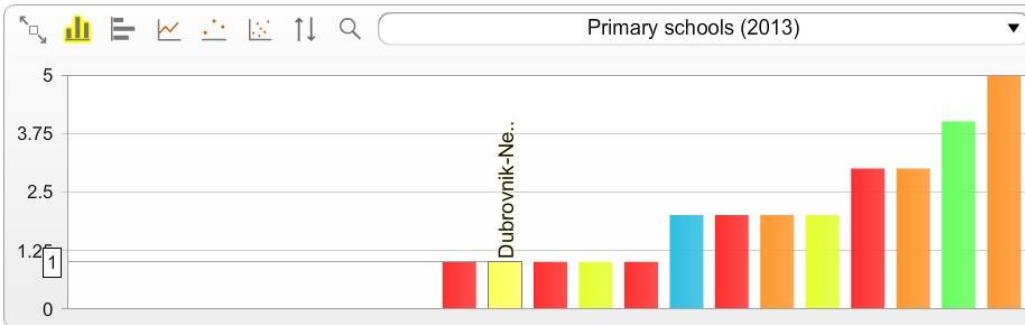
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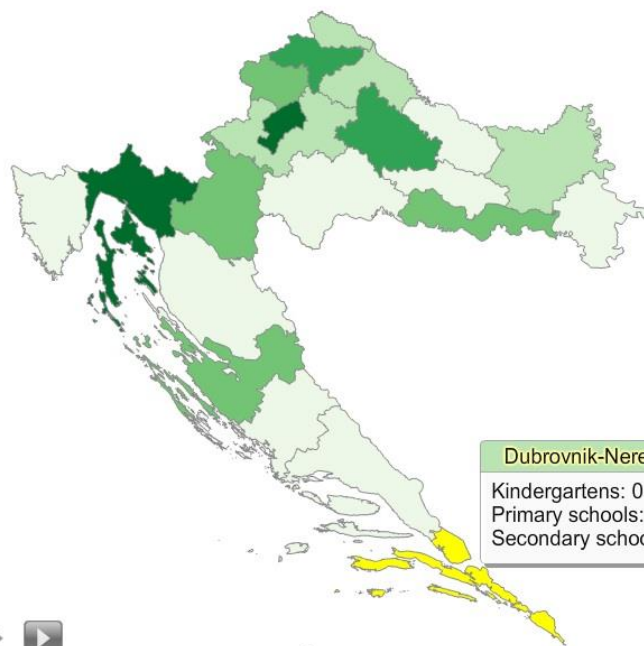
1

journals – Geodetski list, Cartography and Geoinformation



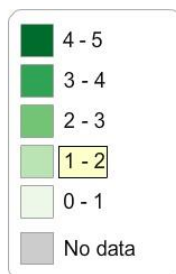
Primary schools

[2nd Primary School Bjelovar](#), Bjelovar
[3th Primary School Bjelovar](#), Bjelovar
[Brezovica Primary School](#), Brezovica
[Brod Moravice Primary School](#), Brod Moravice
[Čavle Primary School](#), Čavle
[Đurmanec Primary School](#), Đurmanec
[Fran Končelak Primary School](#), Drnje
[Dubovac Primary School](#), Karlovac



Dubrovnik-Neretva County

Kindergartens: 0.
Primary schools: 1
Secondary schools: 1

STAT PLANET
DOD-COMMERCIAL 

Interactive map of the Republic of Croatia – *number of primary schools submitted children's drawings to the competition in 2013*



Croatian Cartographic Society

...promotes cartography and related areas since 2001...

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Education

Children Cartography

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Journal KiG
KiG Paper Submission
Journal KiG on HRCAK
Exhibition Catalogues

Conference 2014

Dear friends of cartography and members of CCS, welcome to the new web pages of CCS. We hope that it will be more informative and useful. Old web pages can be found here.

< October 2014 >						
Mon	Tue	Wed	Thu	Fri	Sat	Sun
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

Education > Children Cartography

Children Map Their World

The Barbara Petchenik Children's Map Competition

Winners 2011

Augustė Kričiūnaitė, Age 7 Lithuania

Rectangular Snip

A Message To a Blind Friend

Search Maps

Canadian Entries

ICA Competition

Teacher's Page

Project Info

Book and Exhibitions

<http://children.library.carleton.ca/>

Dosadašnji uspjesi

Izložba Valovi

Hrvatska na međunarodnoj izložbi dječjih crteža 2013. u Dresdenu
Hrvatska na Međunarodnoj izložbi dječjih crteža 2011. u Parizu
Hrvatska na Međunarodnoj izložbi dječjih crteža 2009. u Čileu
Hrvatska na Međunarodnoj izložbi dječjih crteža 2007. u Moskvi
Hrvatska na Međunarodnoj izložbi dječjih crteža 2005. u A Coruñi
Hrvatska na Međunarodnoj izložbi dječjih crteža 2003. u Durbanu
Hrvatska na Međunarodnoj izložbi dječjih crteža 2001. u Pekingu
Hrvatska na Međunarodnoj izložbi dječjih crteža 1999. u Ottawi
Hrvatska na Međunarodnoj izložbi dječjih crteža 1997. u Stockholmu
Hrvatska na Međunarodnoj izložbi dječjih crteža 1995. u Barceloni



International Cartographic Association

The mission of the International Cartographic Association (ICA) is to promote the discipline and profession of cartography and GIScience in an international context.

A place for maps in the human brain

The 2014 Nobel Prize in Physiology or Medicine honors the discoveries of cells that constitute a positioning system in the brain. These efforts are crucial for many research agendas in the cartographic community concerned with cognitive processes and impact-oriented maps. Recent investigations with brain imaging techniques, as well as studies of patients undergoing neurosurgery, have provided [...]

27th International Cartographic Conference

August 23-28, 2015

Rio de Janeiro, Brazil,
Maps Connecting the World



Username

Password

More information on children drawings and competitions you can find on www.kartografija.hr.

Thank you for your attention!