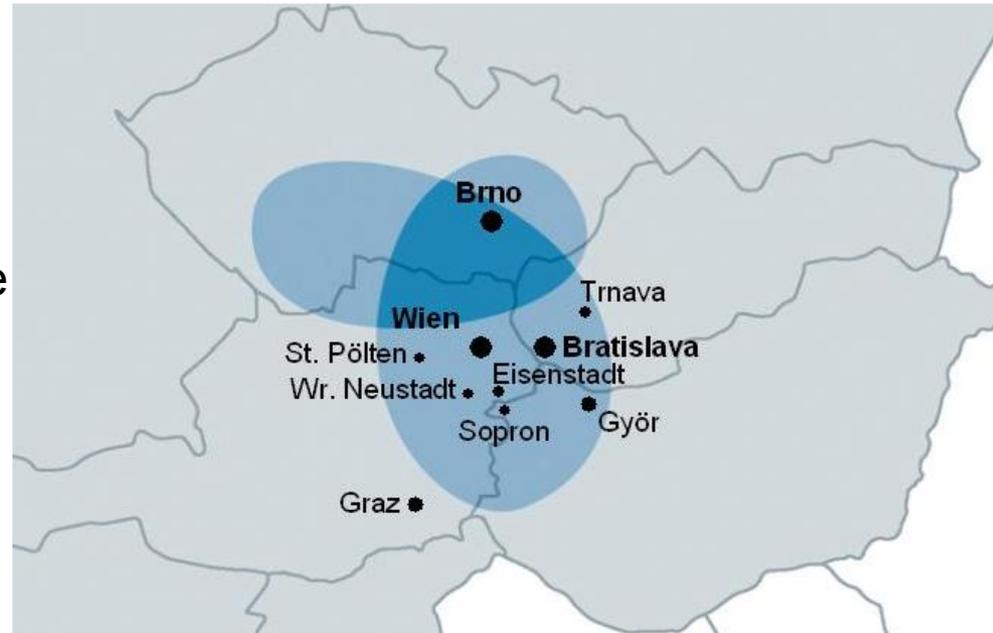




# CENTROPE Partner Regions

- Czech Republic
  - Region: South Moravia, South Bohemia, Vysočina
  - Cities: Brno, České Budějovice
- Slovak Republic
  - Region: Bratislava, Trnava
  - Cities: Bratislava, Trnava
- Hungary
  - Region (county): Győr-Moson-Sopron, Vas
  - Cities: Győr, Sopron
- Austria
  - Region (federal states): Burgenland, Lower Austria, Vienna
  - Cities: Eisenstadt, St. Pölten, Vienna



## Centrope MAP Challenges

- Legal planning responsibilities on different levels
- Data responsibilities on different levels
- Administrative boundaries = data boundaries
- No “common data infrastructure” available, only isolated applications
- INSPIRE: harmonised datasets all over Europe planned, but not available yet, process currently stagnating: no sanctions foreseen ...

# CentropeMAP Geoportal

- datasets come directly from partner regions and EU data providers  
→ no redundancy, always up-to-date
- layers for the whole region and sub-regions
- background maps from simplified views to high-resolution satellite images and aerial views (ortho-photos)
- map generation on the fly

The screenshot displays the Centropemap.org web application. The browser address bar shows 'map-relaunch.centropemap.org'. The page features a dark blue sidebar on the left with the PGO logo (Planungsgemeinschaft OST) and navigation links for 'Centropemap', 'CentropemapSTATISTICS', 'Cross-Border Geoportal for the Centrope Region', 'STATISTICS' (with buttons for 'Open basic mode', 'Open expert mode', 'Hide thematic map', and 'Hide symbol map'), 'MAP LEGEND', 'NEWSLETTER', 'WEBSITE', and 'IMPRINT'. The main map area shows a detailed view of a region with various layers overlaid. A 'Layers' panel on the left of the map lists categories such as Biota, Boundaries, Elevation, Inland Waters, Planning and Cadastre, Structure, Transportation, European Urban Atlas, and Corine Land Cover 2006. The map includes a search bar at the top right, a toolbar with navigation and measurement tools, and a scale bar at the bottom. The footer of the map area contains the text '© PGO - no responsibility for correctness powered by Mapbender3'.

# CentropeSTATISTICS: Project Partners

**CentropeSTATISTICS is a cross-border database project of these co-operating statistics offices/departments in the Centrope Region**

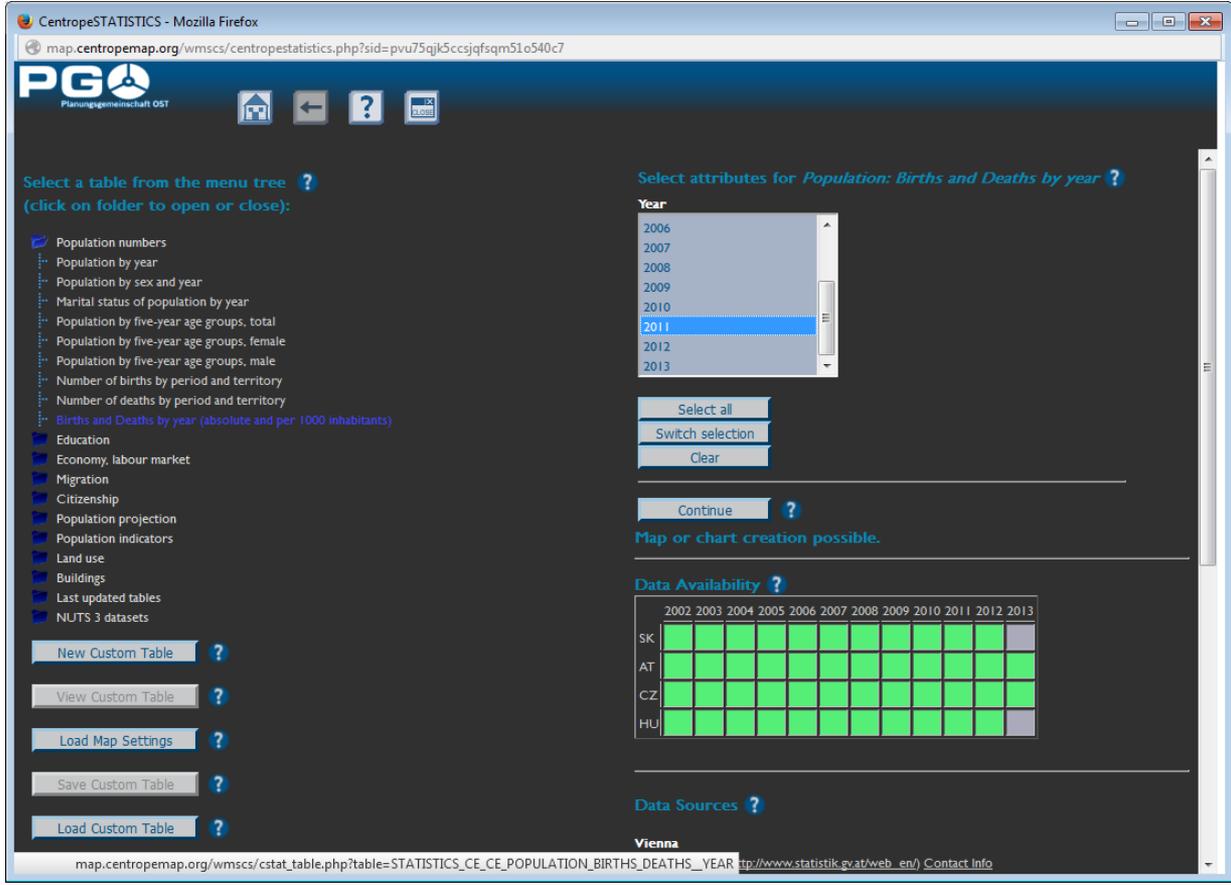
(on behalf of PGO – Planungsgemeinschaft Ost/East Austrian Planning Association, and technically led by CORP – COnsulting Research Projects)

- **Czech Republic:** CZSO – Czech Statistical Office – Český statistický úřad (ČSÚ)
- **Slovak Republic:** Statistical Office of the SR – Štatistický úrad Slovenskej republiky
- **Hungary:** HCSO - Hungarian Central Statistical Office – KSH – Központi Statisztikai Hivatal
- **Austria:** Statistics Departments of the three Austrian federal states Burgenland, Lower Austria and Vienna

**Workshops:**  
national meetings of Austrian statistician group  
and international workshops  
with partners from all countries (every year)



# CentropeSTATISTICS Functions



- many datasets available in annual time series
- map and chart creation
- user-defined contents and layout
- save and export functions
- dynamic database queries

→ map generation on the fly

# CentropeSTATISTICS User Interface

Centropemap.org - Mozilla Firefox  
map.centropemap.org/wmcs/centropestatistics.php?sid=pvu75qj5ccsqfsgm51o540c7

PGO  
Planungsgemeinschaft OST

NUTS 3 Overview: Population density, dwellings, population by age groups

Statistics for Population density: ?

Count:	77
Minimum:	21
Mean:	222.377
Median:	90
Maximum:	3825
Variance:	365796.598
Std. Dev.:	604.811

Select

Method ?

Classes ?

Outline width ?

Outline colour ?

Colour ramp ?

Invert colour ramp ?

Labels ?

Label content ?

Label colour ?

?

?

Estimated loading time: 1-4 s ?



Centropemap.org - Mozilla Firefox  
map.centropemap.org/wmcs/centropestatistics.php?sid=pvu75qj5ccsqfsgm51o540c7

PGO  
Planungsgemeinschaft OST

NUTS 3 Overview: Population density, dwellings, population by age groups

Statistics for Population density: ?

Count:	77
Minimum:	21
Mean:	222.377
Median:	90
Maximum:	3825
Variance:	365796.598
Std. Dev.:	604.811

Select

Method ?

Classes ?

Outline width ?

Outline colour ?

Colour ramp ?

Invert colour ramp ?

Labels ?

Label content ?

Label colour ?

?

?

Estimated loading time: 1-4 s ?

Preview ?

Create Map ?

Save Map Settings ?

Legend

21 - 57
59 - 80
80 - 101
103 - 137
137 - 3825

→ map generation on the fly

## Annual population data

- Population by five-year age groups, total
- Population by five-year age groups, female
- Population by five-year age groups, male
- Population Indicator: Migration Balance
- Immigration, emigration, migration balance (absolute)
- Population: Births and Deaths by year
- Number of births by period and territory
- Number of deaths by period and territory
- Population by year
- Population Indicators (age groups)
- Population density (inhabitants per square kilometre) by year
- Population Indicators: Population Change by year

code	name	year	population_total	Chart																
				Pie chart age0_to_4	Pie chart age5_to_9	Pie chart age10_to_14	Pie chart age15_to_19	Pie chart age20_to_24	Pie chart age25_to_29	Pie chart age30_to_34	Pie chart age35_to_39	Pie chart age40_to_44								
0256022	Serspice	2013	769																	
0259030	Slubodany	2013	905	60	45															
0259044	Slušovice	2013	926	31	40	30														
0256076	Slušovice	2013	1008	43	44	15	38	45	57	74	77									
0259055	Sordžický-Rehov	2013	834	69	74	37	45	28	33	42	46									
0258060	Stříteč-Serolice	2013	594	47	45	40	45	55	79	67	76									
0259079	Stříteč	2013	782	29	35	31	44	54	70	102	109									
0259087	Stříteč	2013	607	46	45	26	44	50	49	76	63									
0259095	Stříteč	2013	261	20	45	34	28	33	40	45	55									
0259117	Travnice na Hané	2013	2907	12	22	15	26	55	40	45	45									
0259129	Travnice	2013	149	9	10	24	7	30	45	74	55									
0259141	Kobčice v Brně	2013	378	150	10			14	51	74	73									
0259149	Bojačky	2013	677	17	14	120		139	16	40	32									
0259188	Končický	2013	300	55	37	18	13	168	24	24	21									
0259078	Kozlany	2013	690	20	8	26	13	30	225	236	252									
0259184	Kožáček	2013	331	35	8	26	13	26	30	54	22									
0259183	Křápenka	2013	109	16	25	13	19	54	22	30	37									
0259214	Prácheň	2013	619	3	16	32	19	47	23	54	30									
0259222	Přilásovice	2013	1855	25	4	12	47	12	44	27	63									
0259224	Přilásovice u Pýškova	2013	759	119	20	7	12	18	43	14	56									
0259249	Stábeňov	2013	144	36	97	20	9	18	43	14	56									
0259251	Stábeňov	2013	485	6	46	80	30	9	23	52	22									
0259261	Stábeňov	2013	485	6	46	80	30	9	23	52	22									
0259271	Stábeňov	2013	1400	24	3	16	89	26	6	31	67									
0259281	Stábeňov	2013	801	65	21	9	45	128	22	5	25									
0259290	Stábeňov	2013	835	29	56	17	12	44	124	29	5									
0259041	Stábeňov	2013	249	43	40	52	34	15	54	146	44									
0259320	Stábeňov	2013	140	14	49	27	80	28	6	77	174									
0259339	Stábeňov	2013	324	11	16	42	20	104	31	7	55									
0259346	Stábeňov	2013	679	17	9	10	35	40	104	31	7									
			359	34	45	4	15	46	51	39	18									
			985	19	42	20	4	46	51	112	28									
				35	14	40	4	12	47	55	126									
						13	47	5	16	72	95									
						34	17	36	13	19	92									
								28	25	11	24									
								37	38	27	12									
									39	54	26									
										19	56									
										23	57									

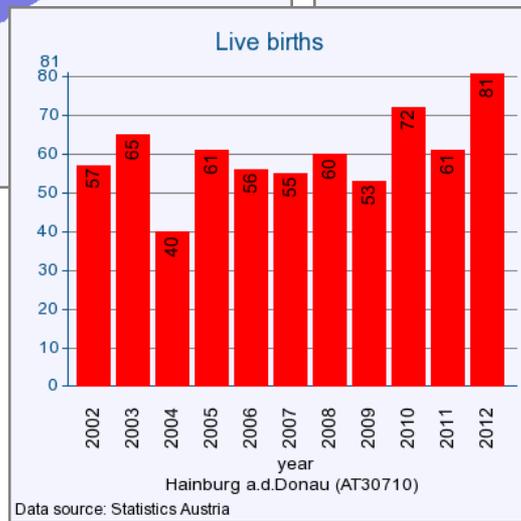
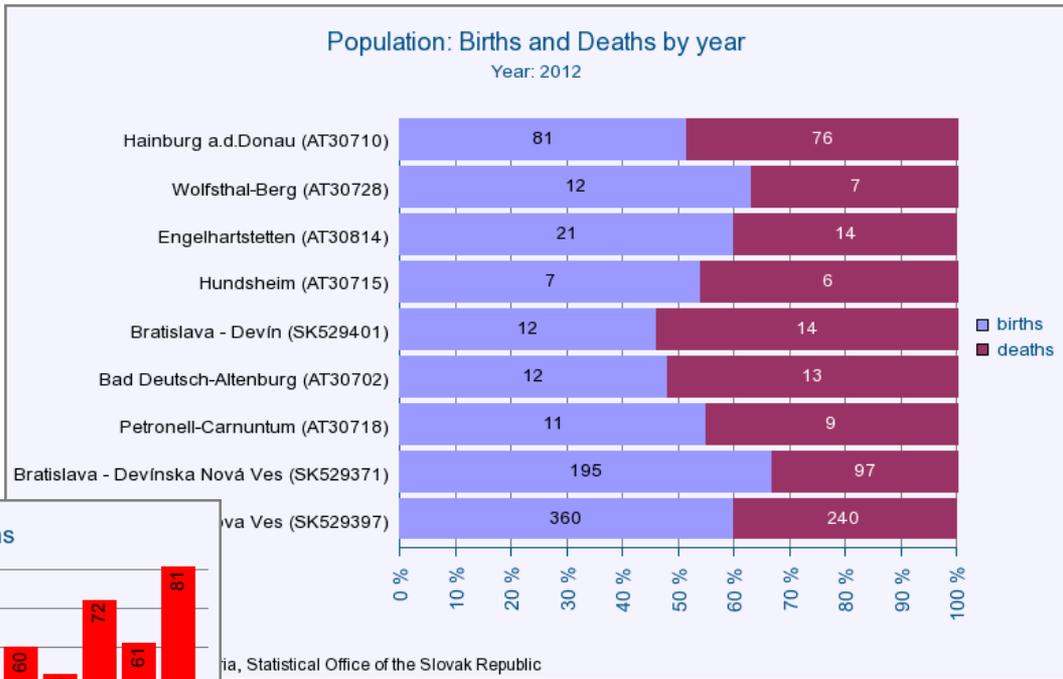
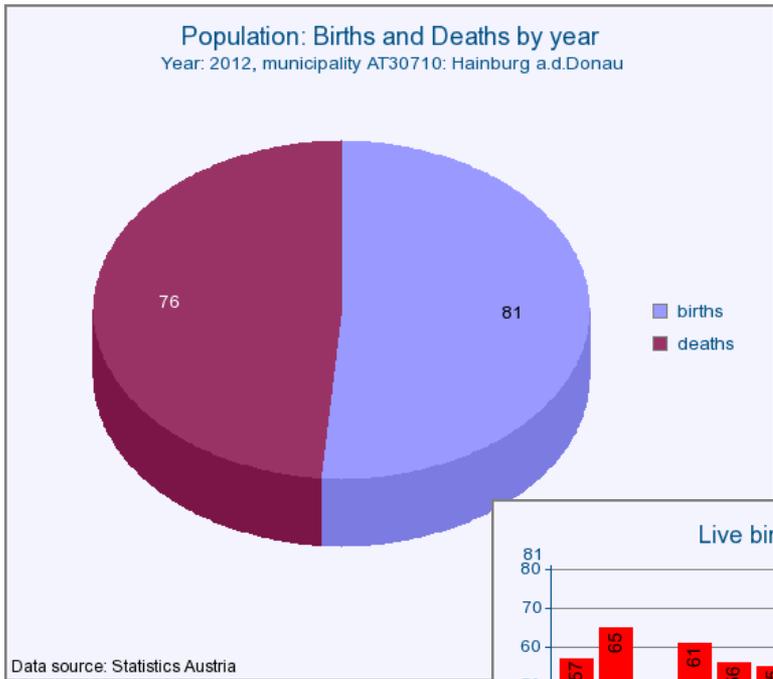
## Census Data 2011

- Marital status of population by year
- Education of population by municipality
- Population by economic activity and year
- Breakdown of economically active population by type of activity
- Economically active persons by NACE sector of activity
- Commuters in and out by municipality
- Buildings per municipality by building period
- Population by Citizenship (AT, CZ, HU, SK, EU, other)
- to be continued...

The screenshot displays a data table with the following columns: code, name, year, population\_total, and a series of 'Chart' columns for age groups: age0\_to\_4, age5\_to\_9, age10\_to\_14, age15\_to\_19, age20\_to\_24, age25\_to\_29, age30\_to\_34, age35\_to\_39, and age40\_to\_44. An orange arrow points to the row for 'Korneuburg' (code AT31213). Below the table, a line chart titled 'Population aged 20 to 24' shows population trends from 2008 to 2013 for municipalities including Korneuburg, Klosterneuburg, Leobendorf, Bisamberg, Langenzersdorf, Spillern, Stetten, Hagenbrunn, St. Andr a-W rdern, and Harmannsdorf. A choropleth map of the region is also shown, with municipalities shaded in red.

→ **Harmonised Datasets for 4 Countries**

# CentropeSTATISTICS Charts



→ Live Chart Creation

- pie charts
- bar charts
- columns charts
- line charts
- point charts

# CentropeSTATISTICS Municipality Comparison

---

- Similar tools available on national statistics websites
- many indicators, but different search engines, different layout, different data definitions → not comparable
- CentropeSTATISTICS data are comparable across the borders
- Selected indicators available for comparison tool
- Regions can be defined by the user
- Output on screen, as Excel file or as PDF
- New: print-ready predefined maps “Centrope in Figures”

# The Centrope region at a glance

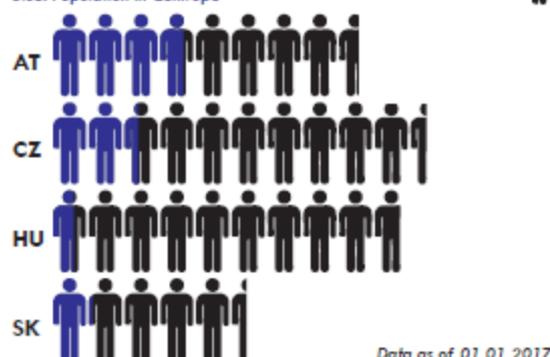
CentropeMAP/STATISTICS is a cross-border information system and free geoportal of the Austrian Planning Association East (PGO) which gives planners and decision makers a better overview of the Centrope region. The Centrope region consists of adjacent counties and states along the borders between Austria, the Czech Republic, Hungary, and the Slovak Republic. This publication aims to present selected data from CentropeSTATISTICS to show the development of this cross-border region in the last 10-15 years. More info and data can be found at our website [www.centropemap.org](http://www.centropemap.org).

The location of the CENTROPE region, at the intersection of four countries, is unique in Europe. The two EU capital cities of Bratislava and Vienna, whose agglomerations are separated by a mere 50 kilometres, the cities of Brno and Győr, as regionally significant urban centres, as well as numerous other eminent and attractive cities, are the powerhouses of an economically and culturally expanding European region.

Population in Centrope member countries 2017

Black: total population

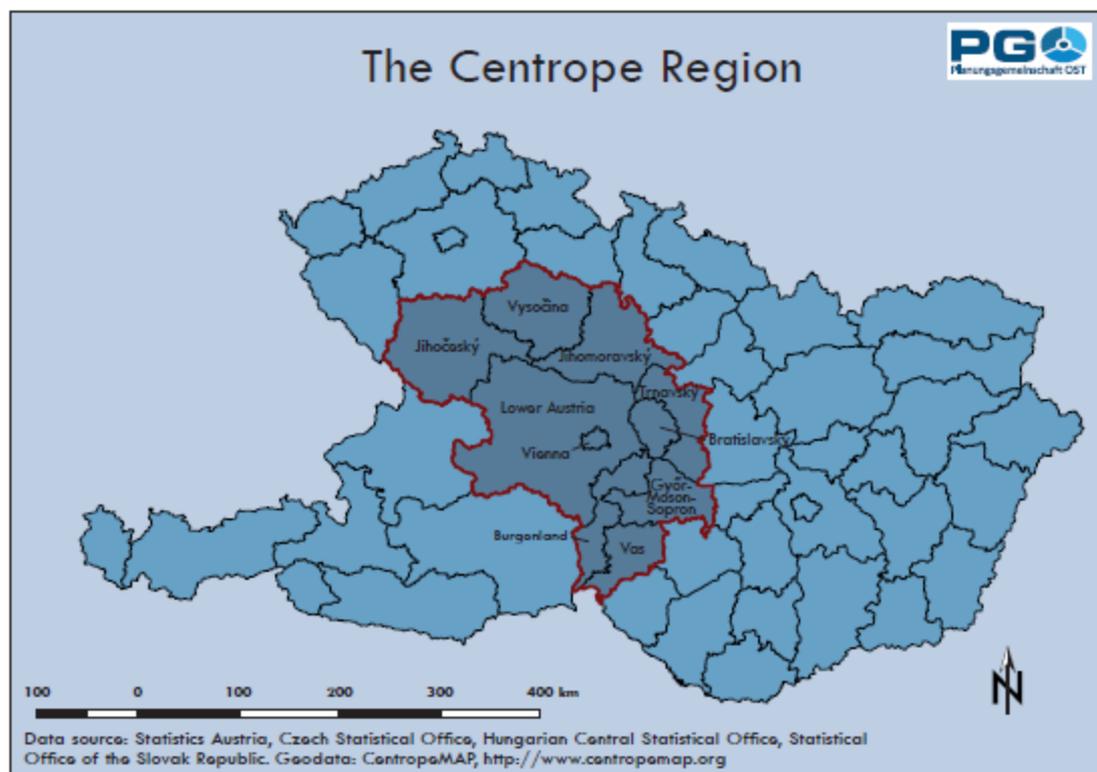
Blue: Population in Centrope



0.01.01 © 2018 – no responsibility for correctness.

Country	Area (km <sup>2</sup> )	Inhabitants 2017	Centrope parts of the country	Municipalities	Area in Centrope region (km <sup>2</sup> )	Area in Centrope region (%)	Inhabitants in Centrope (absolute)	Inhabitants in Centrope (%)
Austria	83 880	8 772 865	3 federal states Vienna, Lower Austria, Burgenland	767	23 562	38	3 825 277	47
Czech Republic	79 000	10 578 820	3 regions South Bohemia, South Moravia, Vysočina	2 001	24 099	39	2 326 546	29
Hungary	92 990	9 797 561	2 counties Győr-Ménfőcsanak, Vas	399	7 713	13	710 453	9
Slovak Republic	49 033	5 435 343	2 regions Bratislava, Trnava	340	6 216	10	1 203 048	15
Centrope*			10 subregions of 4 countries	3 507	61 590	100.0	8 065 324	100.00

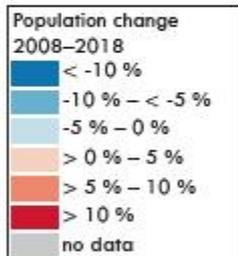
\* Centrope as seen by CentropeMAP and CentropeSTATISTICS



The overall population in the Centrope region is steadily growing; from 2008 to 2018 there was an increase of 5.3 % so that Centrope's population stays over the 8 million mark. However, population growth is mainly restricted to the agglomerations around the region's biggest cities Vienna, Bratislava, Česká Budějovice, Jihlava, and Brno. In peripheral municipalities of Centrope there is a – here and there remarkable – loss of population. The most dynamic spot is the twin city Vienna/Bratislava region which is growing together across the borders as can be seen in the map.

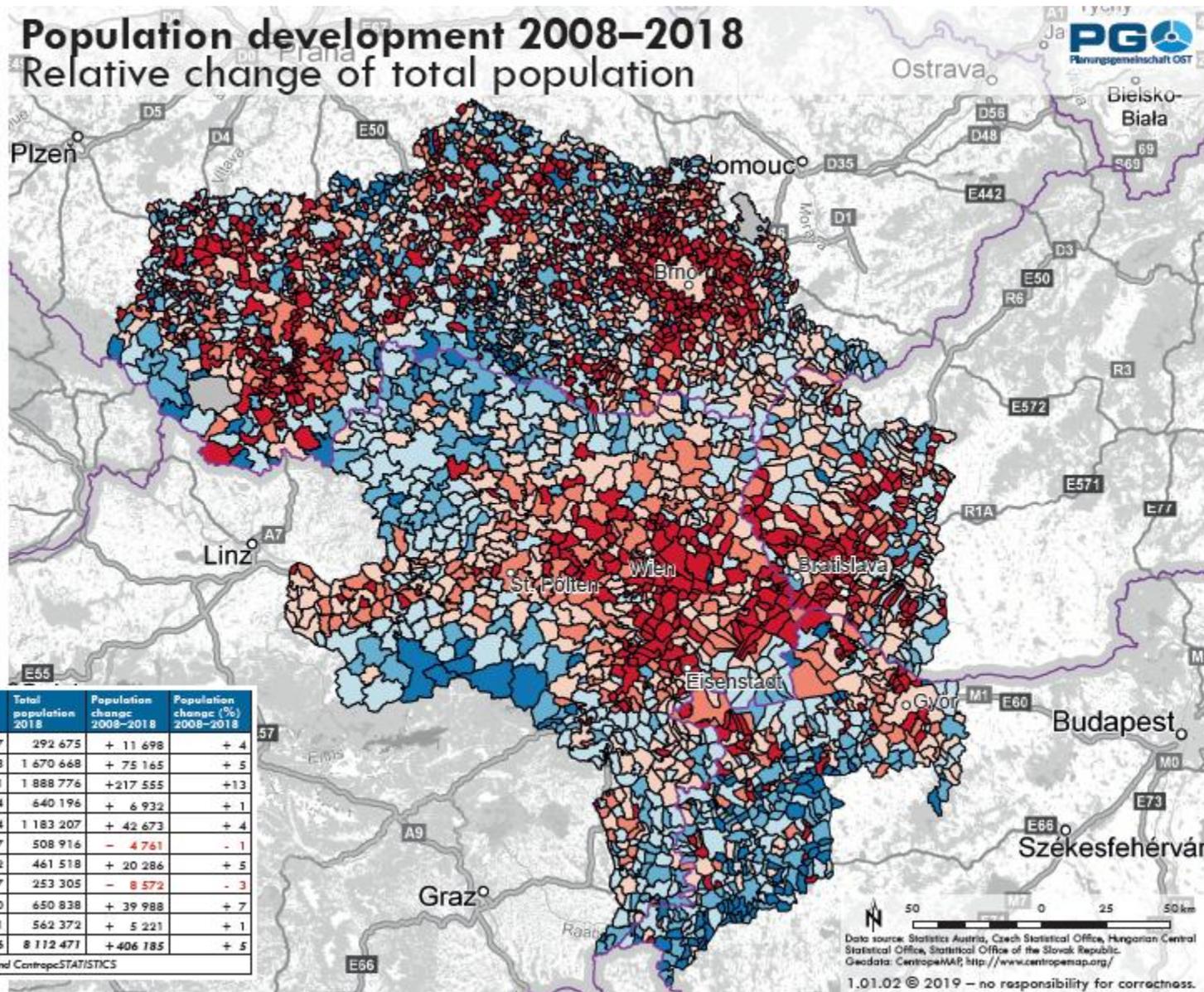
# Population development 2008–2018

## Relative change of total population



County	Total population 2008	Total population 2018	Population change 2008–2018	Population change (%) 2008–2018
Burgenland	280 977	292 675	+ 11 698	+ 4
Lower Austria	1 595 503	1 670 668	+ 75 165	+ 5
Vienna	1 671 221	1 888 776	+217 555	+13
Jihočeský	633 264	640 196	+ 6 932	+ 1
Jihomoravský	1 140 534	1 183 207	+ 42 673	+ 4
Vysočina	513 677	508 916	- 4 761	- 1
Győr-Ménfőcsanak-Sopron	441 232	461 518	+ 20 286	+ 5
Vas	261 877	253 305	- 8 572	- 3
Bratislavský	610 850	650 838	+ 39 988	+ 7
Trnavský	557 151	562 372	+ 5 221	+ 1
<b>Centrope*</b>	<b>7 706 286</b>	<b>8 112 471</b>	<b>+406 185</b>	<b>+ 5</b>

\* Centrope as seen by Centropemap and Centropestatistics



Data source: Statistics Austria, Czech Statistical Office, Hungarian Central Statistical Office, Statistical Office of the Slovak Republic.  
Geodata: Centropemap; <http://www.centropemap.org/>

1.01.02 © 2019 – no responsibility for correctness.

Thank you for your attention!

Manfred Schrenk (schrenk@corp.at)  
Clemens Beyer (beyer@corp.at)

[www.centropemap.org](http://www.centropemap.org)