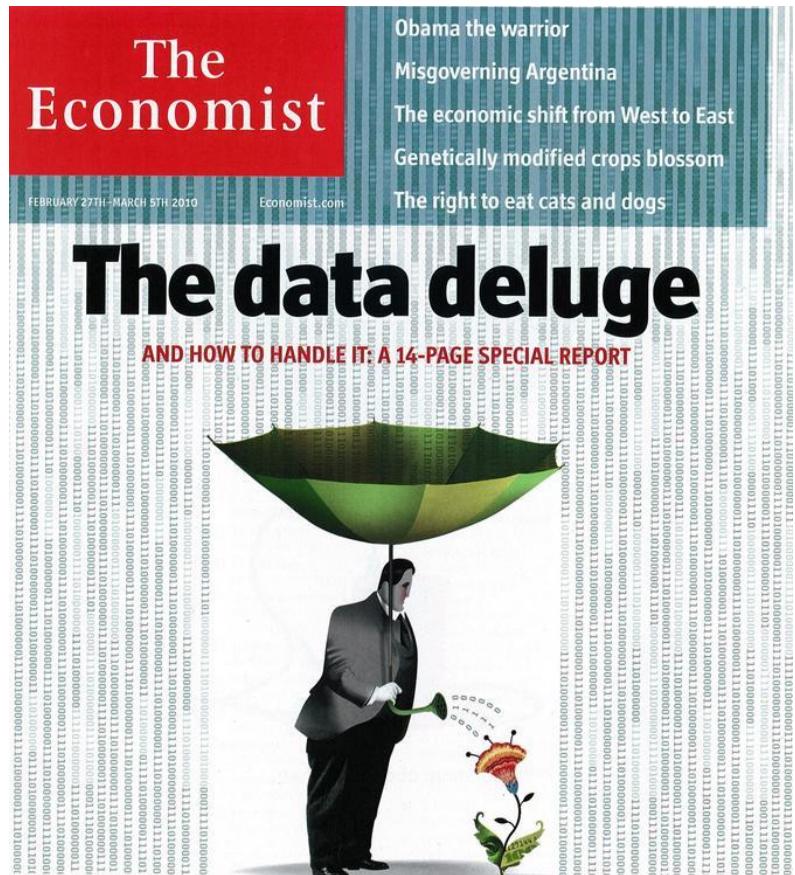


Concept of the Galicia and Austrian Silesia Interactive Database (GASID) as an example of historical and geographical clearinghouse for the Central Europe

Krzysztof Ostafin, Konrad Wnęk, Dominik Kaim, Wojciech Maciejowski,
Jakub Taczanowski, Lidia Zyblikiewicz, Monika Dobosz





The Economist

FEBRUARY 27TH - MARCH 5TH 2010 Economist.com

Obama the warrior

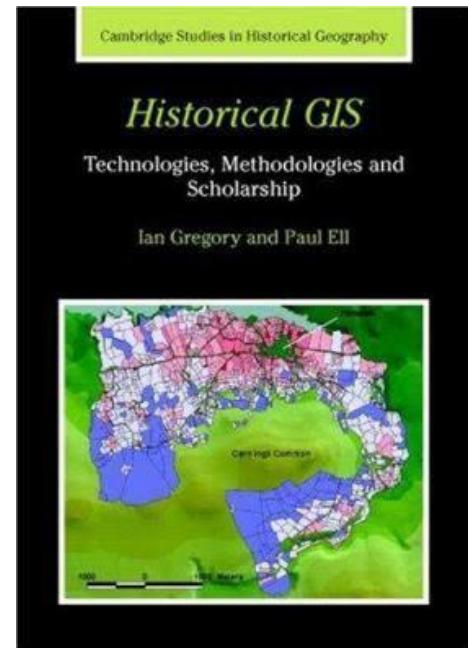
Misgoverning Argentina

The economic shift from West to East

Genetically modified crops blossom

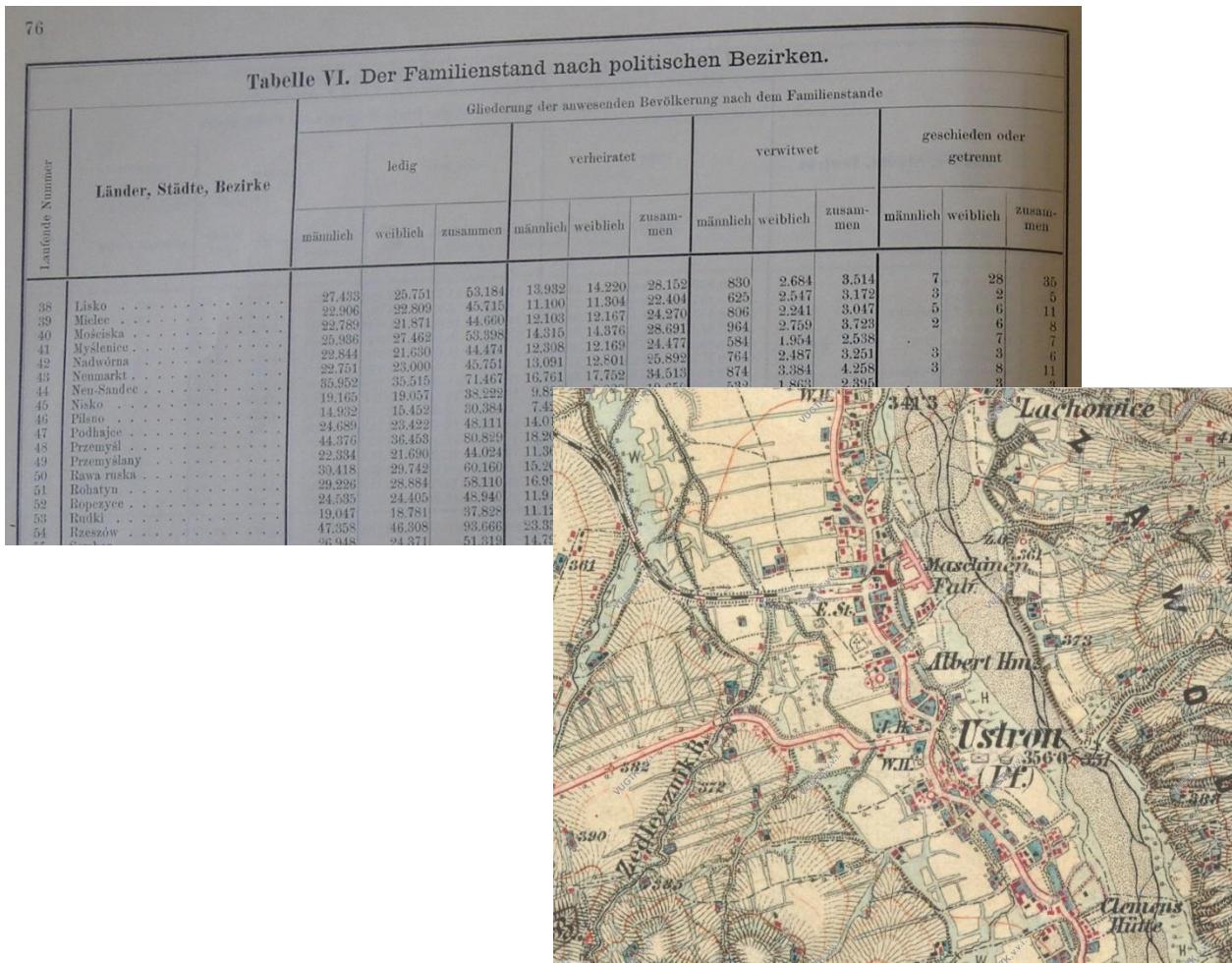
The right to eat cats and dogs

The data deluge
AND HOW TO HANDLE IT: A 14-PAGE SPECIAL REPORT



*„Historical geography
is rarely data-rich”*

Historical data area available, but very often not in a user-friendly form



Sommerfahrplan der Moselbahn

vom 1. Juni 1883 ab.

Trier ab	6 50	7 50	10 50	2 36	2 55	7 06	10 01	
Wengerohr "	7 56	8 32	11 49	3 18	3 57	8 08	10 58	
Uerzig "	8 08	-	12 00	-	4 08	8 18	11 08	
Bullay "	5 46	8 35	8 54	12 22	3 42	8 41	11 26	
Gohem "	6 11	9 18	9 11	12 45	3 58	4 56	9 06	11 44
Coblenz an	7 47	10 55	10 06	2 08	4 52	6 25	10 37	-
Goblenz ab	5 27	8 17	11 18	12 25	2 25	5 52	10 07	
Gohem "	4 55	7 01	9 38	12 20	2 02	3 49	7 14	11 07
Bullay "	5 22	7 24	9 57	12 36	2 25	4 09	7 35	11 22
Uerzig "	6 50	7 47	10 19	12 58	2 47	4 30	7 57	11 39
Wengerohr "	6 01	7 55	10 27	1 05	2 55	4 37	8 04	11 46
Trier an	7 18	8 51	11 15	1 46	3 46	5 26	8 54	12 24
Außerdem fährt noch ein Zug Abends um 8.47 Uhr von Coblenz ab bis Bullay.								

Fahrplan der Zweigbahn

Bernkastel—Wengerohr.

Absfahrt von Bernkastel	6 58	12 10	3 08	6 59
" " Liefer-Mülheim	7 10	12 22	3 20	7 15
" " Maring	7 17	12 29	3 27	7 22
" " Siebenborn	7 23	12 35	3 33	7 32
" " Platten	7 36	12 48	3 46	7 49
Abfahrt in Wengerohr	7 44	12 56	3 54	7 57
Absfahrt von Wengerohr	8 34	1 14	4 41	8 19
" " Platten	8 47	1 23	4 50	8 28
" " Siebenborn	9 04	1 36	5 03	8 41
" " Maring	9 10	1 42	5 09	8 47
" " Liefer-Mülheim	9 21	1 49	5 16	8 54
Abfahrt in Bernkastel	9 32	2 00	5 27	9 05

Personen-Tarif der Zweigbahn Bernkastel-Wengerohr.

Von Bernkastel:

bis Wengerohr: II. Cl. Mk. 1.00, III. Cl. Mk. 0.70,
Retourbillett: " " " 1.50, " " " 1.10,
bis Trier: " " " 3.10, " " " 2.10,
Retourbillett: " " " 4.70, " " " 3.20.

- To built an open access geoportal with historical statistical data for different administrative units of former Galicia and Austrian Silesia 1857-1910
- ~83 500 km²



	Province	Area [km2]	No. of inhabitants	No. of cities	No. of towns	No. of villages
1	Schlesien	5147	443 912	26	6	669
2	Salzburg	7165	146 769	3	20	724
...						
18	Galizien	78489	4 597 470	85	234	6271
19	Ungarn mit Serbien und Banat	214495	9 900 785	90	722	9759

Flächen inhalt, wohnorte und bevolkerung (1857)

General-Karte des Oesterreichischen Kaiserstaates mit einem grossen Theile der angränzenden Länder, 1856–1859, 1: 576 000



Open access to all the data

Data quality assessment

Simple analysis on-line

Simple map compositions on-line

Web Map Service (WMS)

User forum

Typical formats (np. .shp, .txt, .doc., .xls)

List of publications using geoportal data

1857 – census

1861-1863 – second military survey maps 1:28 800

1869 – census

1876-1878 – third military survey maps 1:25 000

1880 – census

1890 – census

1900 – census

1910 – census

Additional map and statistical data sources





Data

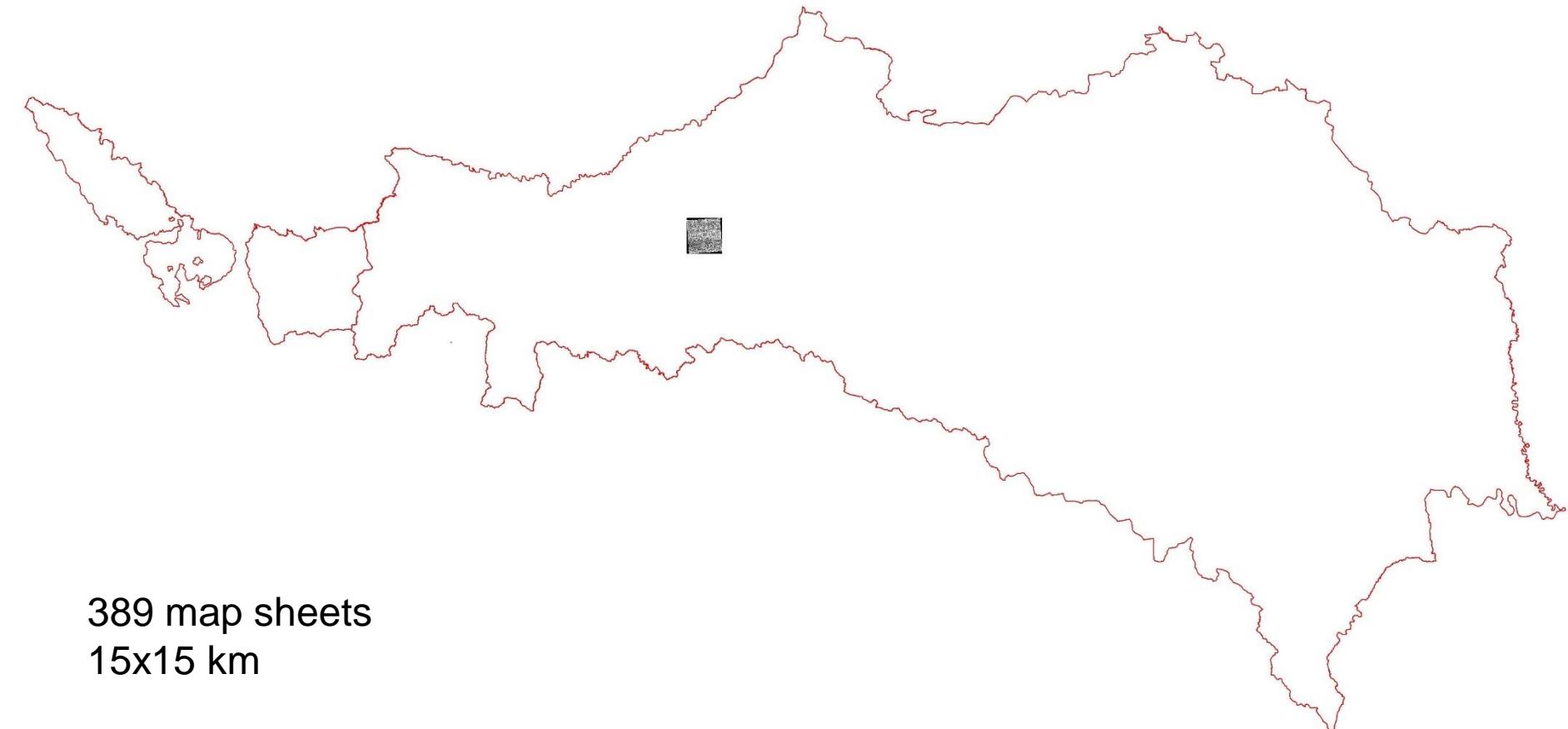
Statistical data:

- Population data incl.:
- Confession
- Occupation
- Languages
- Literacy etc.

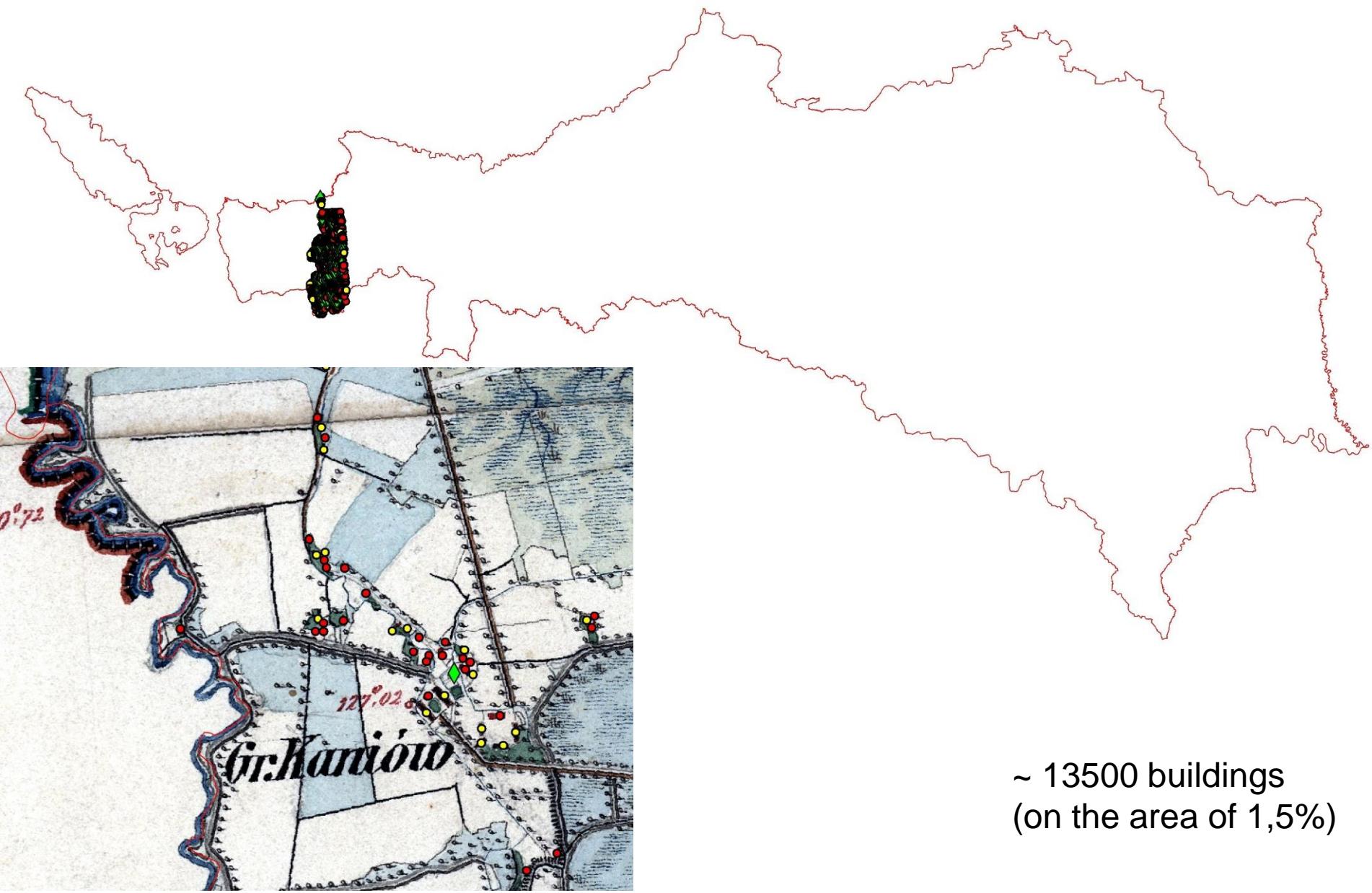
- Land use

Maps:

- Administrative boundaries
- Buildings
- Industry
- Transportation network
(selected)



389 map sheets
15x15 km



Map sources



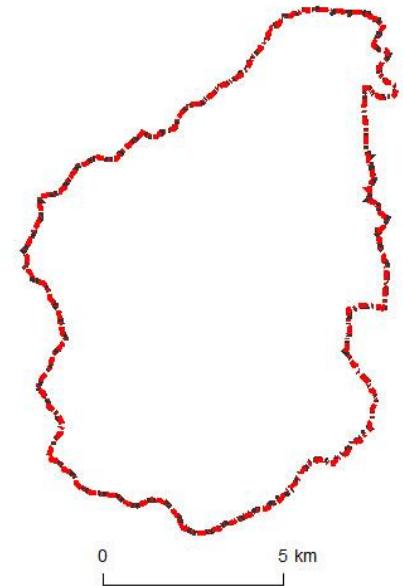
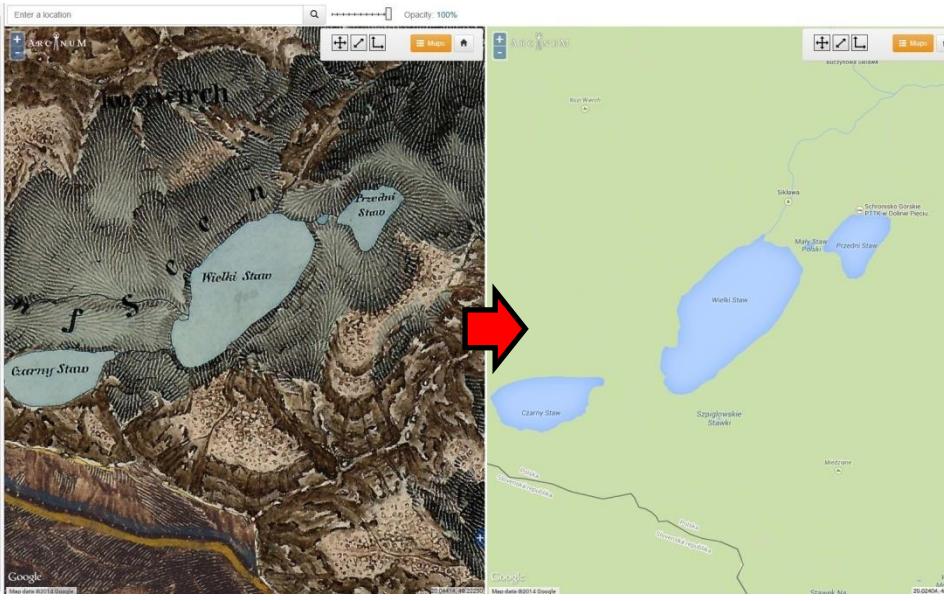
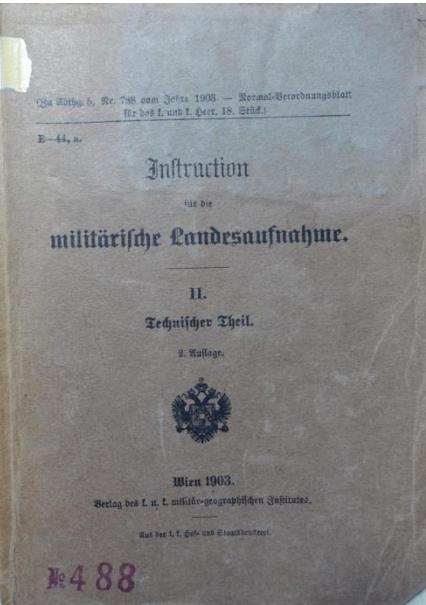
Map data quality assessment-> instructions

Temporal consistency

Location errors

Expected data accuracy

Consistency between statistical and cartographical sources



Bevölkerung und Viehstand der im Reichsrathe Vertretenen Königreiche und Länder, dann der Militärgränze. Nach der Zählung vom 31. December 1869, 1. Heft, Bevölkerung nach Geschlecht, Religion, Stand und Aufenthalt, Wien 1871.

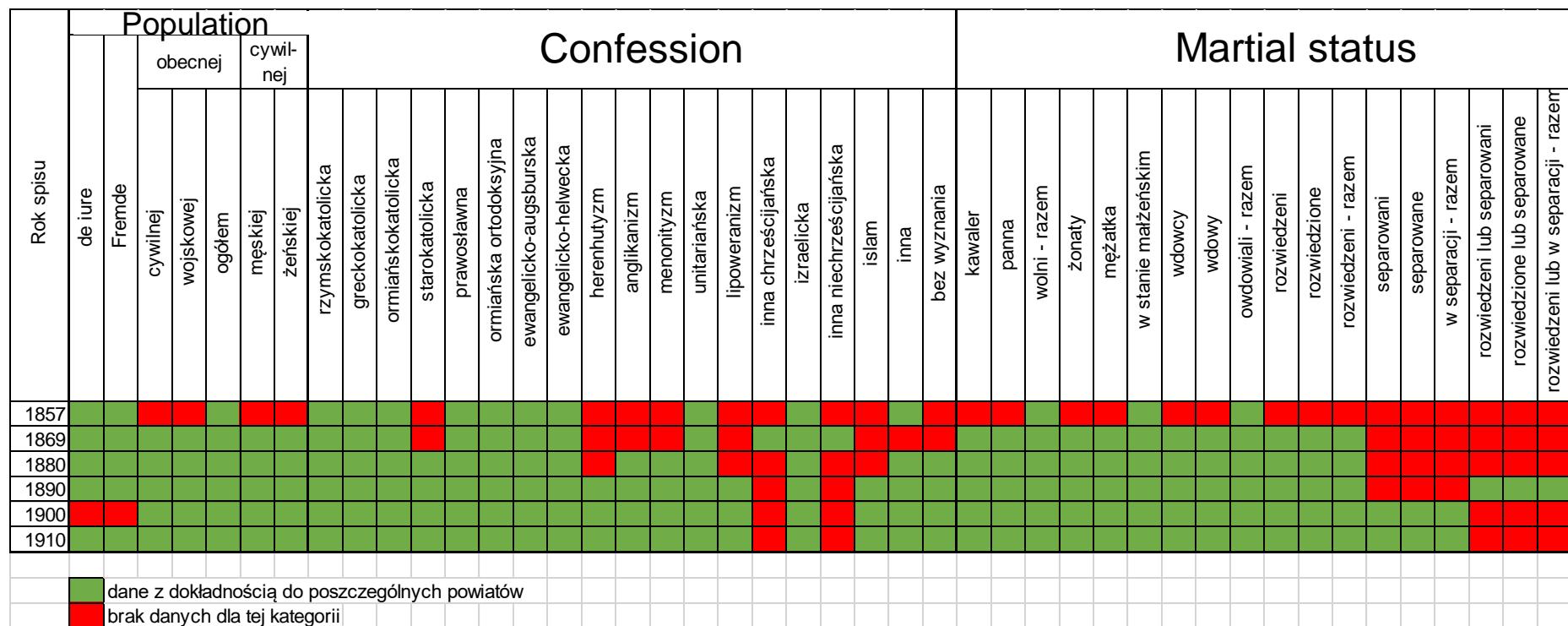
242

Galizien.

24

Galizien.

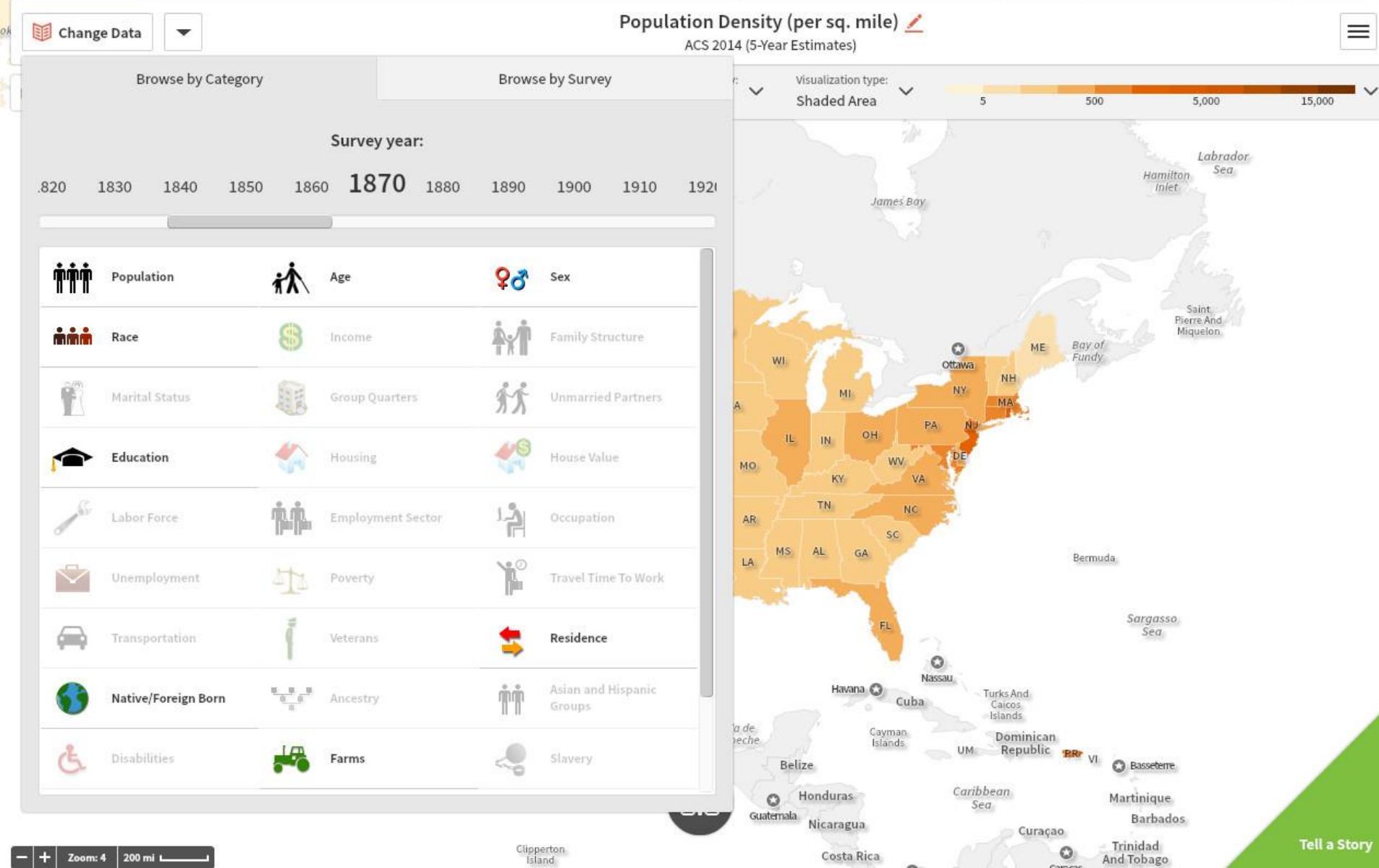
Gesamtheit der Bevölkerung.														
Nach dem Stande														
grie- chisch- orientalisch (nicht unir)	armen- isch (Lutheraner)	evangelisch				männlich				weiblich				
		Angelsächsische Confession (Reformierte)		helveti- scher Confession (Refor- mierte)		unitarisch		andere christliche Glaubens- genossen		Sonstige nicht christliche Glaubens- genossen				
		ledig	verheiratet	verwitwet	getrennt	ledig	verheiratet	verwitwet	getrennt	ledig	verheiratet	verwitwet	getrennt	
1	1	1.850	7	8.033	...	50.254	16.928	832	1	30.619	16.950	3.125	6	
		636	567	4.535	...	17.361	10.263	517		16.671	10.407	1.948	8	
		29	27	5.065	...	20.135	11.928	396	9	20.312	11.988	2.387	19	
2	3	17	...	5.819	...	18.104	11.701	699	7	16.673	11.763	2.364	12	
		72	7	9.835	...	25.285	16.214	770	5	24.427	16.114	2.974	17	
		903	16	5.878	...	16.517	11.151	689	3	16.179	11.135	2.010	7	
		402	18	9.928	4	21.827	14.487	1.146	5	21.770	14.546	2.775	14	
15		50	13	9.567	...	22.504	15.077	948	8	21.442	15.108	2.725	14	
		8	...	4.133	...	16.482	10.091	329	5	16.645	10.116	1.813	12	
		703	4	...	70	4.439	16.527	10.834	576	15.972	10.855	1.805	10	
3		33	6	11.100	...	32.698	19.931	829	19	32.433	19.863	4.072	63	
		79	2	6.986	...	23.385	15.726	922	16	22.379	15.819	2.971	41	
1		21	...	6.146	...	23.313	14.499	919	7	22.408	14.639	2.812	15	
1		243	4	1.207	...	23.730	14.382	669	1	24.824	14.430	2.713	4	
2		62	1	8.389	...	18.091	12.048	686	7	17.414	12.044	2.442	9	
32	4	205	205	1	7.837	...	18.481	12.416	879	10	17.259	12.320	2.446	22
		229	40	1	9.552	...	20.473	12.732	938	8	19.153	13.269	2.469	16
7	3	245	9	11.747	28	21.299	13.818	737	15	19.632	13.749	2.926	38	
		76	...	4.437	...	11.785	8.597	544	2	10.917	8.820	1.598	1	
4	10	1.491	131	8.815	8	21.672	14.328	1.024	10	20.210	14.449	2.841	18	
5		108	1	6.771	...	17.892	10.653	471	7	17.289	10.709	2.200	18	
1		183	4	1	15.478	...	26.930	17.425	1.125	14	25.371	17.398	3.812	31
1		35	5	14.147	...	27.326	16.694	508	62	27.313	16.638	2.877	70	
1		551	2	8.339	...	24.605	16.076	874	8	22.017	16.178	3.480	29	
		15	...	4.093	...	12.778	7.647	498	2	12.004	7.739	1.773	9	
		44	2	4.467	2	15.360	10.779	693		13.866	10.781	2.112	6	
		44	2	2.754	1	26.173	15.339	614	10	27.722	15.466	3.188	4	
		2	164	25	4.715	...	28.419	16.392	584	9	28.765	16.531	3.292	26
22	10	47	6	10.539	1	21.865	14.456	862	5	19.578	14.517	2.826	21	
2		11	...	4.760	...	14.690	9.919	693	1	13.828	9.936	2.116	13	
3	1	454	1	14.889	5	31.131	20.344	1.345	14	28.783	20.233	3.850	13	
		493	8	87	7.050	19.175	11.980	916	8	19.012	11.999	2.363	46	
		1	202	35	7.070	...	17.036	10.824	685	3	15.985	10.872	2.259	14
433	91	33.012	4.113	42	583	575.433	46.1.605.065	998.474	56.319	660	1.554.360	1.002.688	198.871	1.579
936	35	980	1.598	1	2	485	...							
1.369	126	33.992	5.711	43	585	575.918	46							



Differences in data collected by each census

Different form of results publications

Changes in administrative units





Hutterer's Papierhandlung, Těšen

Franz Josef-Strasse.



NARODOWY PROGRAM
ROZWOJU HUMANISTYKI

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