European Forum for Geostatistics

EFGS as provider of population grid data

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Access to population grid data – Geostat project

- According to the Geostat-project (source: Marja Tammilehto-Luode, June 6, 2011) the intent of the project is the following:
- I am writing this on behalf of the GEOSTAT -project.

As you know the project is going to promote dissemination of grid based statistics by compiling guidelines for harmonised production and dissemination of grid data. In addition of that we need a good set of national (made by NSIs) grid based statistics harmonised as far as possible to be as examples (and to help those working with disaggregation methods on European level to calibrate their results for better quality).

Geostat-Project – request/abstract

• Harmonised production and dissemination of grid data.

 We need a good set of national (made by NSIs) grid based statistics.

Geostat-Project - Population Grid data

Population grid data (by country on EFGS website)

• All the members of EFGS have in June 2011 been asked if they would contribute this effort by delivering the population grid data (by 1 km2 grids) of their country to be stored on EFGS website http://www.efgs.info/data by the end of September/October 2011.

Qualifications of the data

- Total population by 1km x 1km grids.
- Reference year 2006.
- Coding and coordinate system as GEOSTAT GRID ETRS89 LAEA 1K
- Semicolonseparated file excluding empty cells.
- No disclosure control if possible.
- Downloadable free of charge with reference to source (EFGS and the NSI).
- Including metadata as minimum description of coverage, number of persons.
- Description of methods for aggregation/disaggregation/mixed.

EFGS today – update October 2011: Download EuroGrid by country

- Download EuroGrid by country
- A dataset series of 1 x 1 km grids according to INSPIRE principles is being uploaded.
- A dataset series of 1 x 1 km grids according to INSPIRE principles, covering EU27 and EFTA countries, and individual country grids for all EU27, EFTA and EU candidate countries, are now being uploaded.

http://www.efgs.info/news/download-eurogrid-by-country

Source: EFGS <u>www.efgs.info</u> –news on October 6, 2011.

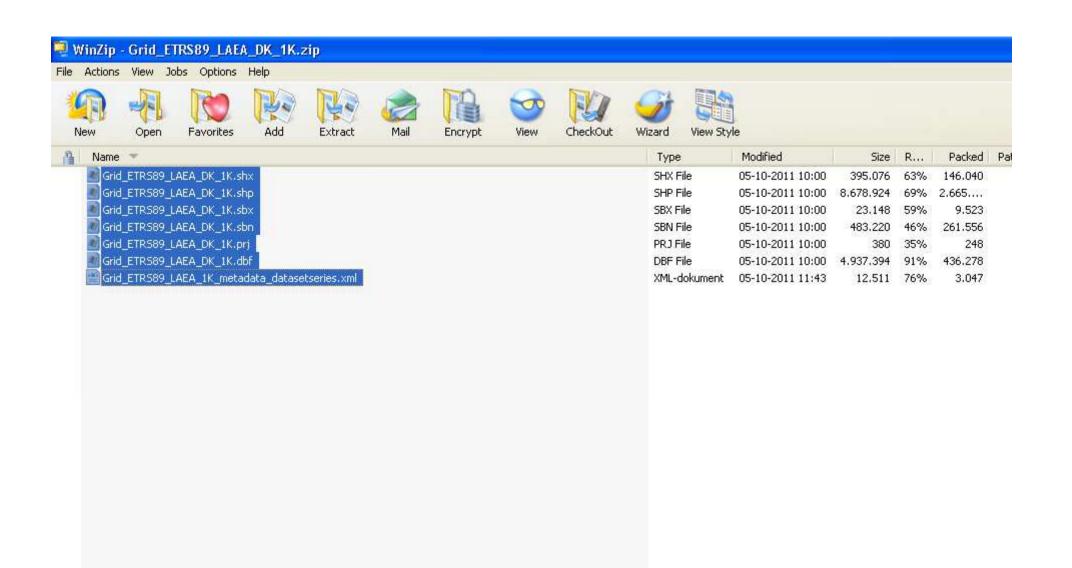
EFGS today: 1x1 km grids INSPIRE principles

- GRID_ETRS89_LAEA_1K
- A dataset series of 1 x 1 km grids according to INSPIRE principles, covering EU27 and EFTA countries, and individual country grids for all EU27, EFTA and EU candidate countries.
- Source: EFGS <u>www.efgs.info</u> –news on October 6, 2011.

EFGS today – update October 2011: 1x1 km grids Denmark

- Grid_ETRS89_LAEA_DK_1K
- A geographical grid dataset for the territory of Denmark created according to http://inspire.jrc.ec.europa.eu/documents/Data_Specifications/INSPIRE_Specification_GGS_v3.0.1.pdf.
- Grid ETRS89 LAEA DK 1K.zip Zip archive, 3440Kb
- http://www.efgs.info/data/eurogrid/Grid ETRS89 LAEA

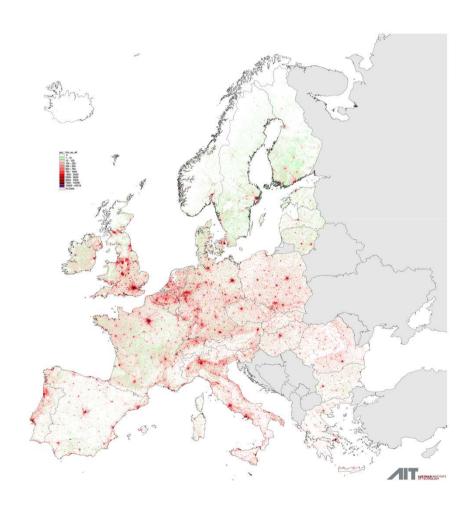
 DK 1K.zip/view
- Source: EFGS <u>www.efgs.info</u> –news on October 6, 2011.



Grid_ETRS89_LAEA_DK_1K.dbf

GRD_FIXID <u></u> ▼	GRD_FLOAID	GRD_NEWID	SHAPE_Leng	SHAPE_Area
4.0.43350000.36260000	4335.3626.4	1kmN3626E4335	1445,34969423000	104957,91881400000
4.0.43350000.36270000	4335.3627.4	1kmN3627E4335	3271,93726877000	683554,47380300000
4.0.43350000.36280000	4335.3628.4	1kmN3628E4335	2513,44531780000	307127,17162300000
4.0.43360000.36260000	4336.3626.4	1kmN3626E4336	2887,36586642000	482959,80652500000
4.0.43360000.36270000	4336.3627.4	1kmN3627E4336	4000,00000000000	1000000,00000000000
4.0.43360000.36280000	4336.3628.4	1kmN3628E4336	3814,40484595000	953524,87168700000
4.0.43360000.36290000	4336.3629.4	1kmN3629E4336	1399,77245154000	56303,68812200000
4.0.43370000.36260000	4337.3626.4	1kmN3626E4337	2999,22257572000	443402,99827000000
4.0.43370000.36270000	4337.3627.4	1kmN3627E4337	4000,00000000000	1000000,00000000000
4.0.43370000.36280000	4337.3628.4	1kmN3628E4337	4046,64778830000	975807,50903200000
4.0.43370000.36290000	4337.3629.4	1kmN3629E4337	1190,62670563000	32330,98224580000
4.0.43380000.36260000	4338.3626.4	1kmN3626E4338	3035,09807818000	417417,41120500000
4.0.43380000.36270000	4338.3627.4	1kmN3627E4338	4000,00000000000	1000000,00000000000
4.0.43380000.36280000	4338.3628.4	1kmN3628E4338	4054,55271666000	991676,49559400000
4.0.43380000.36290000	4338.3629.4	1kmN3629E4338	1906,16792141000	86003,63732170000
4.0.43390000.36260000	4339.3626.4	1kmN3626E4339	3596,54365403000	730438,82757900000
4.0.43390000.36270000	4339.3627.4	1kmN3627E4339	4000,00000000000	1000000,00000000000
4.0.43390000.36280000	4339.3628.4	1kmN3628E4339	4000,00000000000	1000000,000000000000
4.0.43390000.36290000	4339.3629.4	1kmN3629E4339	3819,34665121000	829879,33418900000
4.0.43390000.36300000	4339.3630.4	1kmN3630E4339	3145,73147020000	459919,16314700000

European population grid - source AIT



Denmark: Population 1km grid data Output2_kom06_1km_demo.xlsx

EurGRD1km_FIXID	Number of persons	Number of households	Reference <u></u>
4.0.44750000.36250000	2356	1101	1. jan. 2006
4.0.44760000.36230000	3214	1363	1. jan. 2006
4.0.44760000.36240000	4160	1741	1. jan. 2006
4.0.44760000.36250000	5944	3027	1. jan. 2006
4.0.44760000.36260000	5173	2850	1. jan. 2006
4.0.44770000.36190000	5842	3177	1. jan. 2006
4.0.44770000.36200000	4732	2519	1. jan. 2006
4.0.44770000.36210000	4681	2624	1. jan. 2006
4.0.44770000.36220000	10296	6387	1. jan. 2006
4.0.44770000.36230000	6361	3196	1. jan. 2006
4.0.44770000.36240000	5312	2383	1. jan. 2006
4.0.44770000.36250000	4344	2453	1. jan. 2006
4.0.44770000.36260000	5204	2380	1. jan. 2006
4.0.44780000.36180000	3816	2098	1. jan. 2006
4.0.44780000.36190000	3056	1644	1. jan. 2006
4.0.44780000.36200000	8232	4060	1. jan. 2006
4.0.44780000.36230000	6877	4036	1. jan. 2006
4.0.44780000.36240000	6195	3136	1. jan. 2006
4.0.44780000.36250000	4136	2002	1. jan. 2006
4.0.44790000.36180000	958	439	1. jan. 2006
4.0.44790000.36190000	2232	1052	1. jan. 2006
4.0.44790000.36200000	12056	7216	1. jan. 2006
4.0.44790000.36240000	8461	4952	1. jan. 2006
4.0.44790000.36250000	9992	5594	1. jan. 2006
4.0.44790000.36260000	672	270	1. jan. 2006
	Denmark		
	1x1 km grids for 2006		

Denmark: Population 1km grid data overview for years 2006-2010-2011

cellID	EurGRD1km_FLOAID	Numer Persons	Number Households	reference	
39012		5535264	2578908	1. jan. 2011	
39041		5507785	2566494	1. jan. 2010	
38985		5381619	2499806	1. jan. 2006	
	% no match	No Match Persons	No Match Households	% no match	reference
	0,46	25364	5571	0,22	1. jan. 2011
	0,49	26953	6923	0,27	1. jan. 2010
	0,84	45840	16449	0,65	1. jan. 2006
		StatBank Persons	StatBank Households		reference
		5560628	2584479		1. jan. 2011
		5534738	2573417		1. jan. 2010
		5427459	2517137		1. jan. 2006
		Difference Persons	Difference Households		reference
		0	0		1. jan. 2011
		0	0		1. jan. 2010
		0	-882		1. jan. 2006
	Denmark	aggregation of households			
	1km Eurogrid				
	EurGRD1km_FIXID	EurGRD1km_FLOAID	EurGRD1km_INSPIRE		
	4.0.44180000.34990000	4418.3499.4	1kmN3499E4418		

EFGS: Options for access to population Grid data

- Options for access to data
- Level 1: free access
- Level 2: password required
- Level 3: payment required

EFGS: Option for access to population Grid data – level 1

- Level 1: Access (free)
- If we put all available population grid data (by country) on EFGS website then:
 - * Free access to data because we want to promote the use
- * Data is historical data more than 5 years old

EFGS: Option for access to population Grid data – level 2

- Level 2: Access (password required)
- If we put all available population grid data (by country) on EFGS website then:
 - * you need a password to get into the "data treasure site" but data is free of charge
- * before you get in you need to klick that you agree on certain contract/agreement.

EFGS: cOption for access to population Grid data – level 3

- Level 3: Access (payment required)
- If we put all available population grid data (by country) on EFGS website then:
 - * you need a password to get into the "data treasure site" and you need to pay for the use of data
- * before you get in you need to klick that you agree on certain contract/agreement including payment.

EFGS as provider of population grid data

Thank you for your attention...