

Statistics Sweden

Statistiska centralbyrån

UN-GGIM What's in it for the NSI's?

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UN:GGIM What's in it for the NSI's?

- Save money by increased use of GIS
- Include spatial information in the statistical processes - flexibility
- Cooperation with data providers no need to collect the same information twice
- High quality output









UN:GGIM What's in it for the NSI's?



- Answer to new needs in society
- Be relevant to policy makers!



Cooperation between INSPIRE authorities









Before 2011



and after.....





Visualization – what else?





The Statistical Production Process





Creating statistics based on spatial data





Input: Register data from Statistics Sweden's data storage







Input: Authoritative spatial data

Real property – Adresses - Buildings





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Input: Other spatial data









Before 2011

After 2011













Acess to four alottments within 400 meters from home

- David Svensson
- 42 years
- Married to Lisa
- 2 children
- Works at a bank in Solna
- Earns 43 000 Euro/year
- Drives a Volvo V70

Lives in a house with 9 775 sqm dwelling area.
275 people live in the same house

Access to 2 hectares green area within 100 meters from home

100 meters to the closest road

100 meters to the closest health clinic

290 meters to the closest grocery store



The issue of disclosure





Spatial data

Registers









Output: Gridmap - daytime population





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Built-up land

- 8 categories of built-up land
- Some categories reduced due to better methodology

Built-up and associated land by municipality in 2010, share of land area, percent





New statistics on functional areas – people living close to the sea







Using Social Media







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Challenges for the NSI's

- Produce more with less use new data sources in close cooperation with various data providers
- National funding meet national user needs
- The GIS processes needs to be acknowledged and incorporated in the statisticial production processes!
- NSI's need GIS-competence and bench-marking!







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