Interactive Maps from Official Statistics
Germany for sustainable development
and well-being

INSPIRE Conference 2014 in Aalborg

Dr. Susanne Schnorr-Bäcker
Federal Statistical Office of Germany
June, 18th 2014
Outline

1. INSPIRE and Sustainable Development (SD)
2. INSPIRE and Regional Breakdown
3. Interactive maps from Official Statistics Germany
4. Conclusions
Aims

INSPIRE

„Whereas ...

(4) INSPIRE could assist policy-making in relation to policies and activities that may have direct or indirect impact on the environment.“ Directive 2007/2/EC of 14 March 2007

Sustainable Development

„...To ensure that it meets the needs of the present without compromising the ability of future generations to meet their own needs.“ United Nations: Our Common Future 1987, no.27
Sustainable Development Strategies

European Union  „Europe 2020“
OECD  „How‘ s life? Progress Measurement“
United Nations  „post 2015“
Germany  „Nachhaltige Entwicklung in Deutschland“
Components of SD in modern times

Social
Economic
Ecological

here and now & later

Image: S. Schnorr-Baecker, INSPIRE Conference 2012
Europe 2020 – goals and targets

**Strategy’s key objectives**

- 75% of men and women aged 20-64 to be employed
- 3% of GDP to be invested in R&D
- Climate change:
  - Reduction of greenhouse gas emissions by 20% compared to 1990
  - Increase share of renewables in final energy consumption to 20%
  - 20% increase in energy efficiency
- Reduce rates of early school leavers to below 10% and at least 40% of 30 to 34 year olds have completed tertiary education
- Reduce poverty by lifting at least 20 million people out of risk of poverty

Source:
http://epp.eurostat.ec.europa.eu/portal/page/portal/europe_2020_indicators/headline_indicators/statistical_dashboards
OECD’s „How’s life – Progress Measurement“

United Nations „post 2015“

Five Shifts:

(1) Leave no one behind
(2) Put sustainable development at the core
(3) Transform economies for jobs and inclusive growth
(4) Build peace and effective, open and accountable institutions
(5) Forge a new global partnership
Regional Structure of Germany and NUTS/LAU

Administrative units*

16 federal states (NUTS 1)
38 regions (NUTS 2)
402 administrative districts (NUTS 3)

Cities*

13 > 500 000 inhabitants
76 > 100 000 inhabitants
182 > 50 000 inhabitants

*per 31.12.2012

Source:
EU/OECD-classification for urban areas; see http://www.urbanaudit.org/help.aspx

Source:

© Statistisches Bundesamt, B204/Dr. S. Schnorr-Bäcker, June, 18th 2014, Aalborg
European Typology for Cities and Larger Urban Zones/Metropolitan Areas

Source: Dijkstra, Poelman: Cities in Europe; example for the city of Graz/Austria, p. 2
European regional classifications and typologies

Other regional classifications, such as River basins for Germany

Source: https://www.destatis.de/DE/Publikationen/Thematisch/UmweltstatistischeErhebungen/Wasserwirtschaft/WasserOeffentlich2190211109004.pdf?__blob=publicationFile
Administrative vs. grid based data


Grid based regional data and layers

Source: https://www.destatis.de/DE/Publikationen/Thematisch/UmweltstatistischeErhebungen/Wasserwirtschaft/WasserOeffentlich2190211109004.pdf?__blob=publicationFile, p. 17

© Statistisches Bundesamt, B204/Dr. S. Schnorr-Bäcker, June, 18th 2014, Aalborg
At risk-of-poverty rates isolated and in regional context

Source: Schnorr-Bäcker, S.; Bömermann, H.: Regional statistical data on measuring progress
Conclusions

INSPIRE a good starting point for various purposes and stakeholders

What is needed

Combining crosscutting issues
Ensuring data quality in its different dimensions
More flexible analyses across EU-countries at regional level
Getting coordinated?!
THANK YOU FOR LISTENING!

Dr. Susanne Schnorr-Bäcker
Telefon: +49/(0) 611 / 75 2082
Susanne.schnorr-baecker@destatis.de
www.destatis.de

© Statistisches Bundesamt, B204/Dr. S. Schnorr-Bäcker, June, 18th 2014, Aalborg