

SmartCities

Proposal GIS-Workshop

An Introduction to Geoinformation Systems within the
SMART CITIES Project

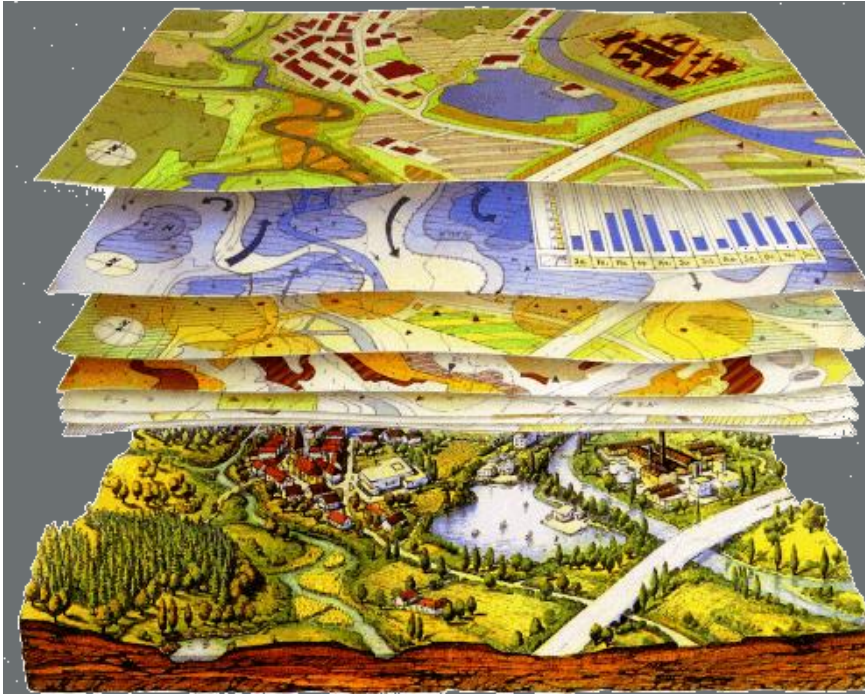
Introduction

- Geoservices are technically implemented by geographic information systems (GIS)
- A workshop on GIS was proposed for 2009 in addition to the Osterholz-Scharmbeck Meeting
- The idea was declined due to a lack of interest from mostly the administrative partners in the Smart Cities Project
- General tenor: What does this technology have to do with my daily work? I do not need to know it! It doesn't concern my work within SmartCities!
- This is a grave misconception!

Geoinformation Systems

- Geographic information systems (GIS) relate information on objects and processes to defined spacial positions on the globe – it projects the real world onto a model
- About 80% of all information data has a relation to a geographic position
- Correlation of geo-referenced data often generates information not obvious beforehand
- The utilization of GIS has increased considerably during the past years in all sectors due to the improvement in process efficiency their utilization generates.

Applications of GIS

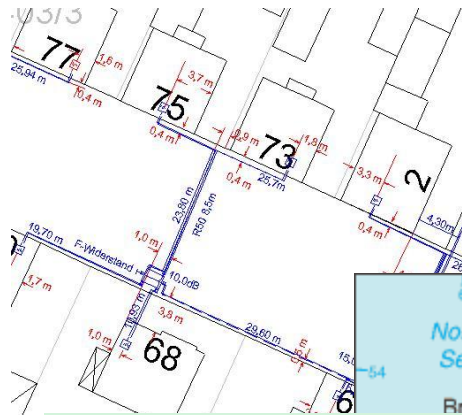


- Construction
- Sewage
- Electricity
- Surveying
- Cable TV
- Forests
- Land Registry
- Waterworks
- Graveyards
- Playgrounds
- Parks
- etc ...

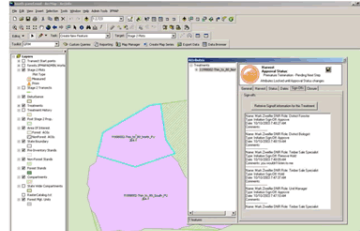
GIS in Administration

- GIS are already used widely in municipal administrations – it might not necessarily be obvious though
- improves communal planning and administrative efforts and duties (reduces cost)
- Important parts of a communal GIS are planning-assistance tools, environmental information systems as well as citizen information and participation systems.
- GIS will become the most vital part of an administration within the next 5 to 10 years.

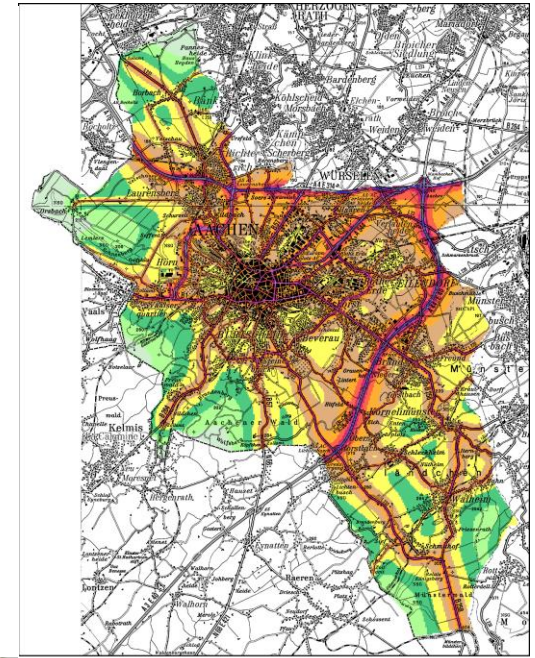
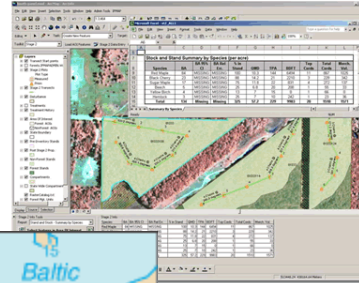
Applications of GIS today



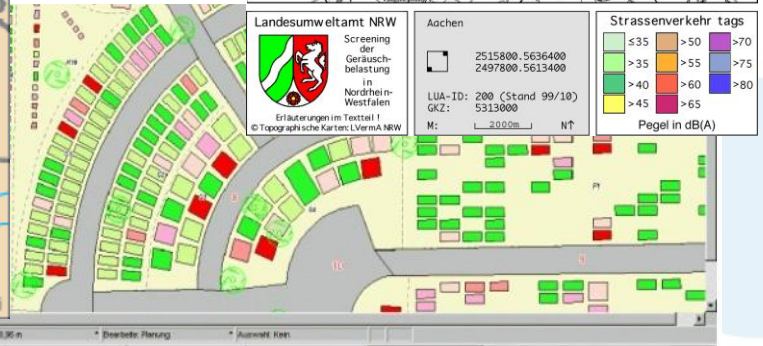
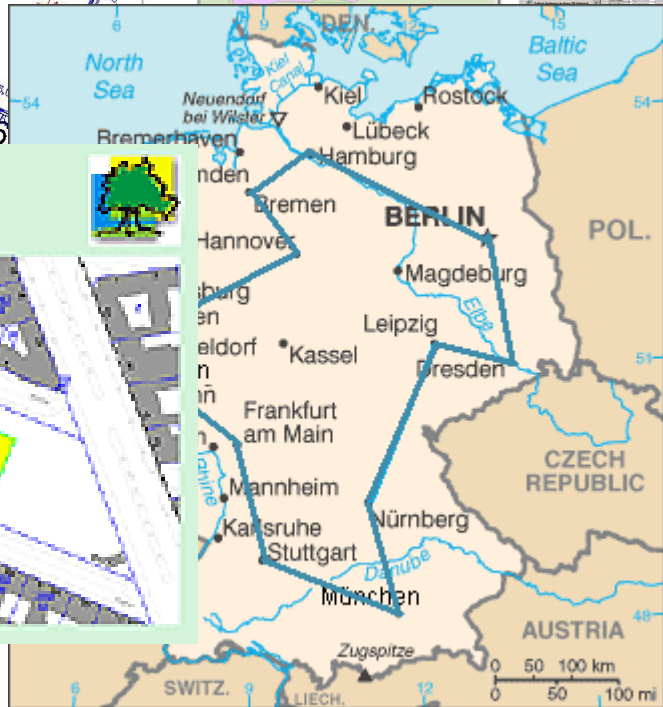
Spatial business rules implementation



Business context query and reporting tools



map production tools



GIS within Smart Cities

- A fully realistic approach to eGovernment will not be complete without incorporating GIS
- GIS will present, model, shape and transport the ideas and results of the SmartCities Project
- GIS represent THE technology supporting any administrative work in the near future, if not already today
- Omitting the technological aspects connected to the SmartCities Projects leaves the project incomplete and therefore unsatisfactory.

Proposal

- Research on the technological aspects of the results of the Smart Cities Project
- Analysis of what GIS are already present and used by the Smart Cities Partners – utilization of this existing technology toward the project
- Organization of a GIS-Workshop for the Partners in Spring 2011
- Incorporation of GIS-technology into final results delivered by Smart Cities Project Group (technical papers).

GIS-Workshop

- Goal: Familiarization of Project Partners with GIS-technology
- Lecture-style approach to GIS-technologies specially tailored to members of EU-Project Groups
- Backgrounds, Applications, Pro and Contra, Development
- NOT: A plain list of specialized presentations
- Choice of about a dozen keynote speakers (German Geodetic Commission, UAS Oldenburg), t.b.d.
- Location: Osterholz-Scharmbeck? Oldenburg? Northern Germany?
- Duration 2 Days
- Main organization and communication through utilization of „The WIKI“

Questions, Comments, Inputs, etc ...

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