Ensuring a coherent implementation of INSPIRE in the context of Open Data

The German Federal Ministry of Transport and Digital Infrastructure’s strategy

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“Three” sides of the same coin

INSPIRE

• Making Europe more cohesive
• Standard catalogue of harmonised data
• Inter-governmental cooperation
• Top-down

Open Data

• Lifting potential of joint data
• New products and services by providing data
• Economy, start-ups, entrepreneurs
• Bottom-up

Transparency

• Empowering citizens
• Freedom of information
• Bottom-up
Federal Ministry of Transport and Digital Infrastructure has adopted a pioneering role for Open Data

Several successfully implemented key initiatives:

- **A Geo-Information Strategy** for the Ministry (findings from INSPIRE implementation)
- A funding program for data-driven innovations: **mFUND**
- An Open Data Portal: **mCLOUD**
- A marketplace for real-time data from road traffic: Mobility Data Marketplace (**MDM**)
- Public hackathons with Open Data: **DataRun**
- A data portal for national dissemination of remote sensing data from the Copernicus program: **CODE-DE**
Innovative ideas for ground-breaking new products for mobility 4.0

Couldn’t traffic regulate itself?
Shouldn’t cars know the weather forecast?
mFUND: 150 m EUR for data-related research and innovative ideas until 2020

**Project funding**
(July 2016 - August 2017: ca. 80 project partners, ca. 80 m EUR funding)

**Competitions** (e.g. Hackathons)

**Networking events** (e.g. Conferences)

**ICT infrastructure for data provision**
(> 600 open datasets on: http://www.mcloud.de)
mCLOUD: open data portal for transport, mobility and related data

Geo-Information (aim: harmonization)

European level
http://inspire-geoportal.ec.europa.eu/

National level
http://www.geoportal.de

Thematic focus: mobility (aim: mobility of the future)

Open Data (aim: lifting potential)

Data providers
National & regional authorities
BMVI agencies
Private sector

meta data

http://inspire-geoportal.ec.europa.eu/
https://www.europeandataportal.eu/
http://www.geoportal.de
https://www.govdata.de/
https://www.mcloud.de/
Implementing the principles of open data in the authority of the Ministry of Transport and Digital Infrastructure

Specify aims
Common objectives, fundamental principles, and roadmap

Establishing in organisation
Implementing guidelines and open data managers

Establishing in processes
Integrating principles of open data in legislation, initiatives, projects, etc.

Support for subordinate authorities
For design and implementation of specific open data projects
Example: Guideline for open data publication / check list

1 Inventory of data (e.g. What kind of data? Metadata available? Purpose of data collection, etc.)

2 Verification of inventory
   • Legal requirements (e.g. property rights)
     o Special law? (e.g. INSPIRE → publication process already specified other laws prohibiting publication?)
     o Specific content? (e.g. research data)
     o Public interests? (e.g. domestic security)
     o Personal information?
     o Intellectual property or copyright of third parties?
   • Technical and quality requirements

3 For data with increased effort: prioritise publication
Conclusion

• Supporting the change in thinking and acting towards more openness at the ministry’s executive agencies (INSPIRE → Open Data → Transparency)
• Balancing the goals of data harmonisation (European perspective, e.g. INSPIRE, ITS) and use of open data for innovative applications (national perspective)
• Supporting standardisation for open data and use of open licences
• Facilitating practical use of open data and creating best practices by funding data-related projects
• Going beyond plain provision of data: creating and supporting networks and the development of applications (e.g. hackathons, project funding, conferences)
Thank you for your attention!

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