GDI-Südhessen

How hundreds of administrative and municipal districts stop worrying about INSPIRE

Thorsten Reitz, wetransform GmbH
Andreas von Dömming, bespire UG
Martin Domeyer, Geschäftsstelle GDI-Südhessen
Here is the story of GDI Südhessen ...
Cooperation

- 2005-2008 started as a project
- since 2009 permanent working group

Cooperation involving
- Local Organizations
- Administrative Districts
- Reginal Organizations
Targets of the cooperation

- Establish a regional SDI
- Make available and connect the local spatial data
- Fulfill INSPIRE requirements

What is important?

- Legal requirements!
- Local and regional benefits!

Both is important!
What data do we needed in our SDI?

- Local data investigation
- Analysis of communal processes
- User input
- Data models
- Local users groups and experts
- GDI-Südhessen data models

Local data investigation leads to analysis of communal processes, which in turn requires user input. Data models are used by local users groups and experts, who also work on GDI-Südhessen data models.
Results of the process:

“Harmonized regional models”
- model attribution focuses on communal tasks
- based on INSPIRE
- simple
  - flat model
  - shape file template
- providers can prepare datasets with their usual desktop GIS applications

Mapping Tables to INSPIRE

e.g. school sites and school districts
From theory to practice ...

How can I organize it? What hardware do I need? What software do I need? What kind of knowledge do I need? What does it cost? How can I achieve an economic situation? How can I generate benefit for my organization and my region? Can only experts implement INSPIRE? How does the INSPIRE data model look like? What is mandatory and what is optional? Can I transform my data to INSPIRE, and how? What kind of services are required? Can I guarantee the required Quality of Service? Which meta data have to be published? How can others find and use my data? How can the EC access my data? How can I test the conformance of my data and services? How up-to-date does my data need to be? What license should I use for my data? What is data-service-coupling? What are language requirements? Are the INSPIRE requirements already aligned with my national requirements (GDI-DE)? Who answers all my questions?
“What we would like to have!”

Put your data here!

Choose your program!

Press “Start”

Use the results!
Use “GDI InspireUmsetzer“

Upload

Publication (Harmonized regional Models)

Transformation

Publication (INSPIRE Models)

GDI-Südhessen Services

INSPIRE Services

Theme-Configurations

Use
Prepare data according Specification for „Harmonized Regional Model“

- upload the dataset (e.g. shapefile)

- Choose Program (View Service, Download Service, Profiles: INSPIRE, GDI-DE)

- Press play to publish
provides a web based workflow
automated validation of input data
automated transformation to INSPIRE
automated publishing view service
automated publishing download service
automated generation of meta data
automated conformance tests & reports
  INSPIRE
  GDI-DE
central hosting (ISO 27001)
reduced costs
school sites and districts
fire and rescue stations, operational areas
water supply
waste water
district roads
communal land-use planning and regional development
A Quick Tour of the Platform
Roles

Define a theme
A theme is a central configuration object that links all types of resources.

Create a data set
A data set contains one or more files and associated metadata, and can be published via different types of services.

Manage users and organisations
All users are associated with an organisation and have a role inside it.

Data Manager

Theme Manager

Superuser
<table>
<thead>
<tr>
<th>Dataset Name</th>
<th>Organization</th>
<th>Last Updated</th>
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<tbody>
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<td>5 days ago</td>
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<tr>
<td>Schulstandorte und Schulbezirke-Schul... Schulstandorte und S... AFB Limburg</td>
<td>19 days ago</td>
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<td>Schulstandorte Landkreis Waldeck-Fr... Schulstandorte und S... Landkreis Waldeck-F...</td>
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[+ Create new dataset]
Please upload all files associated to the dataset (*.shp, *.xml, *.gml). In case you upload a Shapefile, please also upload the *.dbf-, *.prj-, and *.shx files.
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<td>Dienste – Rechtliche Angaben</td>
<td>Dienste – Kontakt für den technischen Betrieb</td>
<td>Dienste – Kontakt für die Metadaten</td>
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Summary

- INSPIRE provides the opportunity for improved local collaboration
- INSPIRE can be implemented effectively through local collaboration

- Shared Platform is...
  - Easy to use
  - Scalable in terms of users, data volume and access volume
  - Robust
  - Cost-Effective
Questions?

*Visit the booth or send us an e-mail!*  
Thorsten Reitz: tr@wetransform.to  
Andreas von Dömming: vdoemming@bespire.de  
Martin Domeyer: info@gdi-suedhessen.de