

deegree

Introduction into deegree



deegree

<http://www.lat-lon.de>
<http://www.deegree.org>

Agenda

- deegree
- PostgreSQL and PostGIS
- Exercise: How to visualize PostgreSQL and PostGIS content
- Exercise: How to use deegree
- Exercise: How to configure a deegree Workspace

- Open Source Licence: LGPL 2.1
- Supports the full INSPIRE stack:
 - View Service (WMS and WMTS)
 - Download Service (WFS)
 - Discovery Service (CSW APISO)
- Support for all Annex I-III INSPIRE data themes (GML 3.2.1)



deegree

- „deegree web services are implementations of the Geospatial Web Service Specifications of the Open Geospatial Consortium (OGC) and the INSPIRE Network Services.“
 - Source: <http://www.deegree.org/about-deegree>
- deegree uses „Workspaces“ containing all configuration files.
- We prepared a „Workspace“ which provides a fully configured INSPIRE Download Service.

PostgreSQL and PostGIS

- The best supported database backend of deegree.
- „PostgreSQL is a powerful, open source object-relational database system.“
 - Source: <https://www.postgresql.org/about/>
- „PostGIS is a spatial database extender for PostgreSQL object-relational database. It adds support for geographic objects allowing location queries to be run in SQL.“ It is an OSGeo project!
 - Source: <http://postgis.net/>

Exercise: How to visualize PostgreSQL and PostGIS content

- Connect to the database server running on Docker.
- Short demonstration of pgAdmin GUI.

Exercise: How to visualize PostgreSQL and PostGIS content

- Start pgAdmin 4 with Docker (see tutorial).
- pgAdmin 4 is a monitoring tool for the database.
- Access the pgAdmin 4 database browser:

<http://localhost:5050/browser/>

Exercise: How to use deegree

- Open the deegree administration console.
- Short demonstration of deegree console and important interfaces.
- Create a JDBC connection (see tutorial).

What we have learned

- You know what deegree, PostgreSQL and PostGIS are.
- You understand the interaction between the discussed software components.
- You are familiar with the concept of a deegree Workspace
- You are able to change configuration in a deegree Workspace

Contact & Licence



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