deegree

deegree inspire node

Professional Processing and Visualisation of INSPIRE Data Themes

★ **Open Source** ★ **Interoperable**

The thorough support of complex application schemas makes deegree 3 the perfect choice for implementing IN-SPIRE Data Themes. The configuration is based on the unmodified INSPIRE schemas – there is no need to define complicated relational mappings or transformations.

deegree 3 mapService (WMS) and featureService (WFS) operate on an integrated data abstraction layer. Changes in the stored data (e.g. caused by WFS transactions) are directly reflected in the maps delivered by the mapService. Supported backends include PostgreSQL/PostGIS and Oracle Spatial. Additionally, the deegree 3 architecture allows for easy extension to support further backends.

deegree mapService

High performance
due to an optimised rendering engine

High scalability
due to streaming and optimised data storage

On-the-fly styling
of unmodified INSPIRE features

Complete integration of INSPIRE model
(e.g. when requesting object information)

SLD 1.0.0/1.1 and **SE 1.1** support
enables complex styling rules for sophisticated map rendering

deegree featureService

High performance and scalability
due to XML streaming architecture and optimised data storage

Full support for transactions
enables inserting, updating and deleting of unmodified INSPIRE data sets

Queries with complex filter expressions
with full support for XPath 1.0

Xlink references completely supported in both input and response documents

Schema-valid output
of INSPIRE GML 3.2.1 data sets

WFS 1.1.0/1.0.0 interface
(2.0.0 in preparation)

deegree 3

WMS — **WFS**

INSPIRE View Service | **INSPIRE Download Service**

WFS-T

INSPIRE Data Sets

INSPIRE Feature Store

Loader

PostGIS | Oracle | ...

★ **Contact:** *info@lat-lon.de*