

deegree

INSPIRE Download Services



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

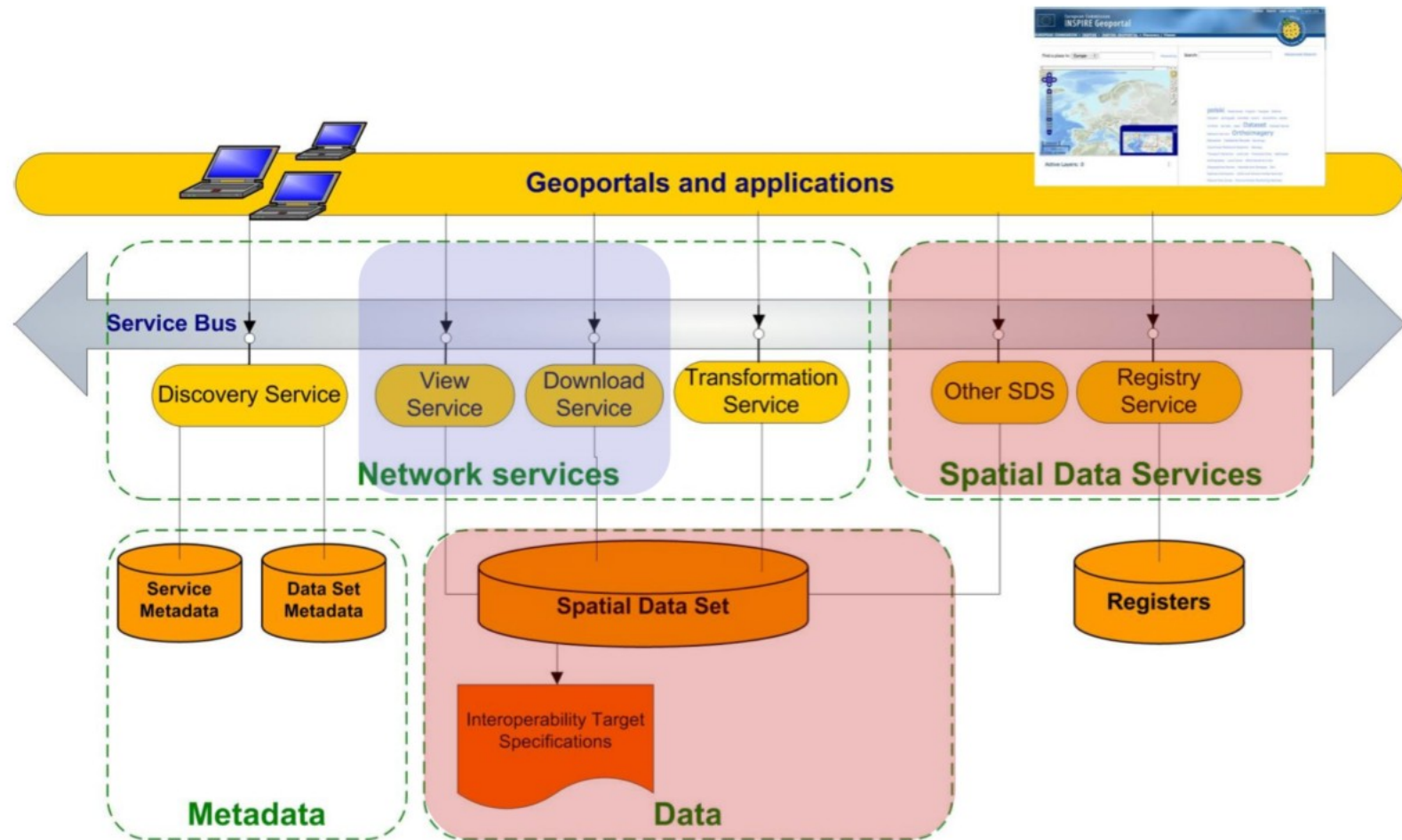
Agenda

- What is INSPIRE?
- What is a Download Service?
- What different types of INSPIRE Download Services exist?

What is INSPIRE?

- „In Europe a major recent development has been the entering in force of the INSPIRE Directive in May 2007, establishing an infrastructure for spatial information in Europe to support Community environmental policies, and policies or activities which may have an impact on the environment.“
- „INSPIRE is based on the infrastructures for spatial information established and operated by the 28 Member States of the European Union. The Directive addresses 34 spatial data themes needed for environmental applications, with key components specified through technical implementing rules. This makes INSPIRE a unique example of a legislative “regional” approach.“
 - Source: <http://inspire.ec.europa.eu/>

INSPIRE components



Source: EC JRC – INSPIRE Hands-on Training by Chris Schubert

What is a Download Service?

- „...enabling copies of spatial data sets, or parts of such sets, to be downloaded and, where practicable, accessed directly;“
 - Source: <https://wiki.osgeo.org/wiki/INSPIRE>



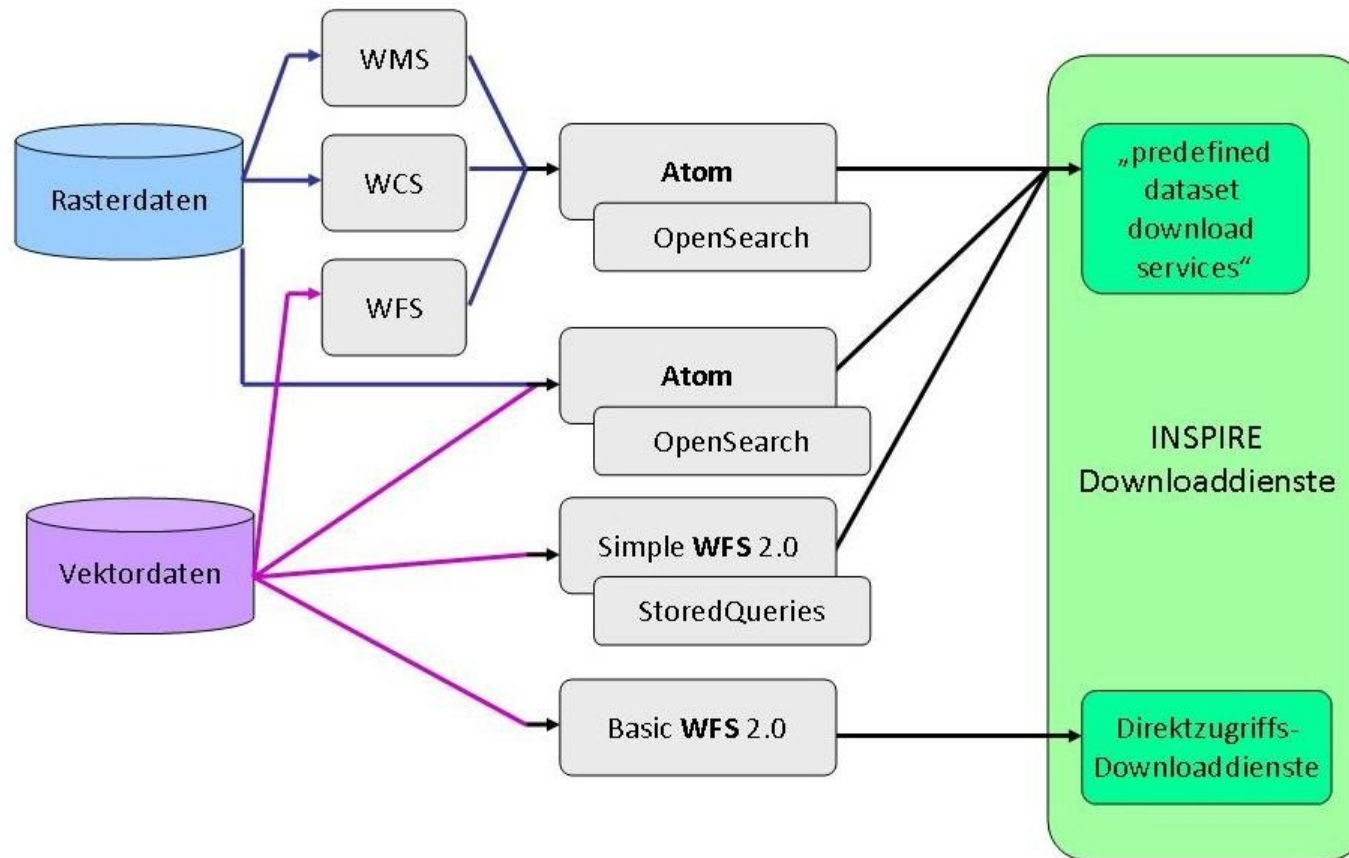
What different types of INSPIRE Download Services exist?

- Pre-defined dataset download services (PD-DLS)
 - Based on Atom feeds or
 - Based on WFS 2.0 with Stored Queries
- Direct access download services (DA DLS)
 - Based on WFS 2.0 and full filter capabilities such as logical, comparison, spatial (bbox), temporal expressions

Non-Interoperable vs Interoperable Download Services

- Non-Interoperable:
 - Provide access to data in arbitrary formats such as SHAPE, TIFF, GML 2/3 or other
- Interoperable:
 - Data provided conforms to relevant INSPIRE data specification(s) Annex I-III
 - Solely in GML 3.2

What different types of INSPIRE Download Services exist?



Source: http://www.geoportal.de/SharedDocs/Downloads/DE/GDI-DE/Handlungsempfehlungen_Inspire_Downloadservices1_1.pdf?__blob=publicationFile, page 9

What we have learned

- We know what an INSPIRE Download Service is and what different types exist.

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