



deegree

INSPIRE Network Services with deegree

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(haftungsbeschränkt)

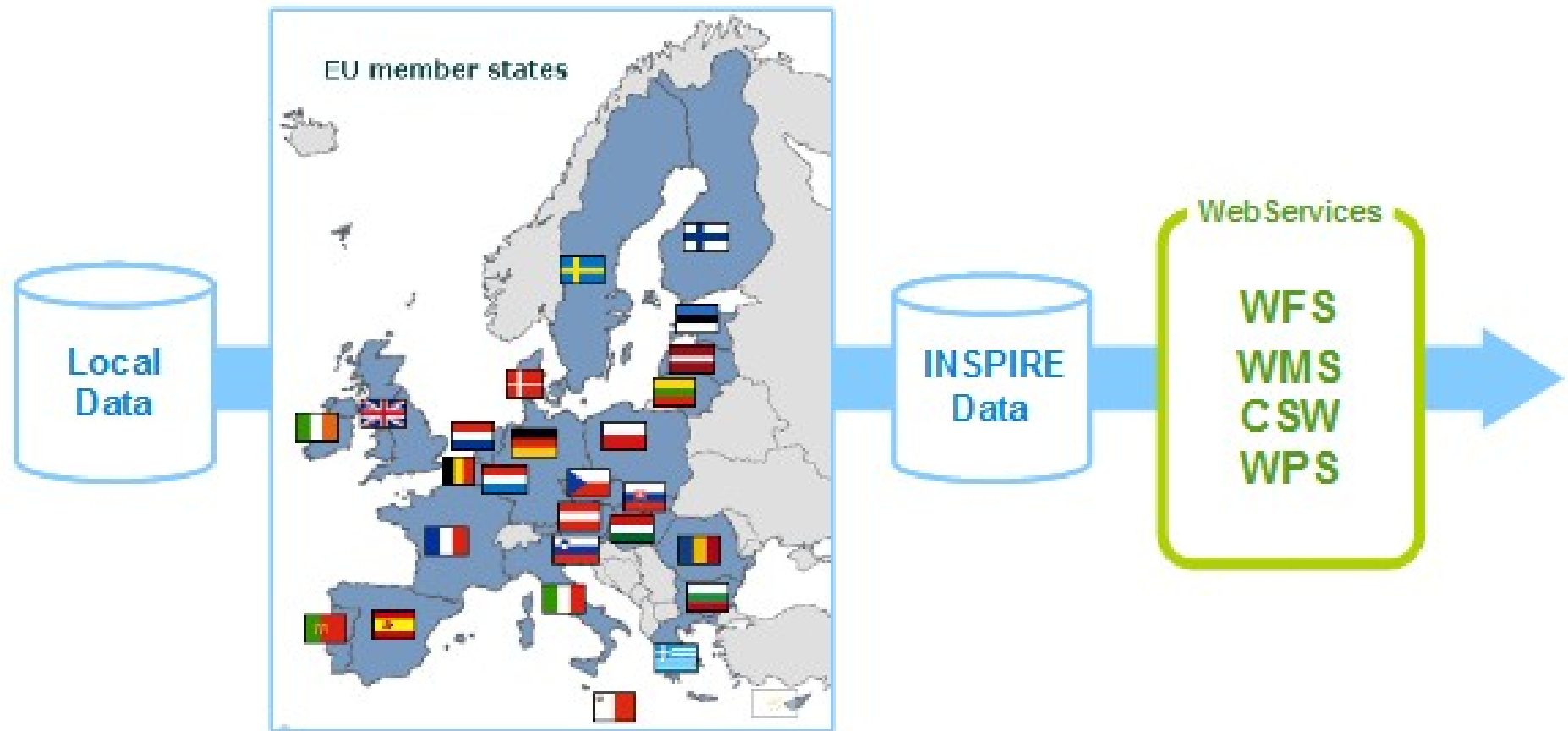
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Contents

- Implementing INSPIRE: A technical perspective
- Components offered by deegree
- Getting started

Implementing INSPIRE



INSPIRE network services

- Discovery
 - Search for available datasets / services
- View
 - Get maps rendered from datasets
- Download
 - Query / download raw datasets

Technical implementation tasks

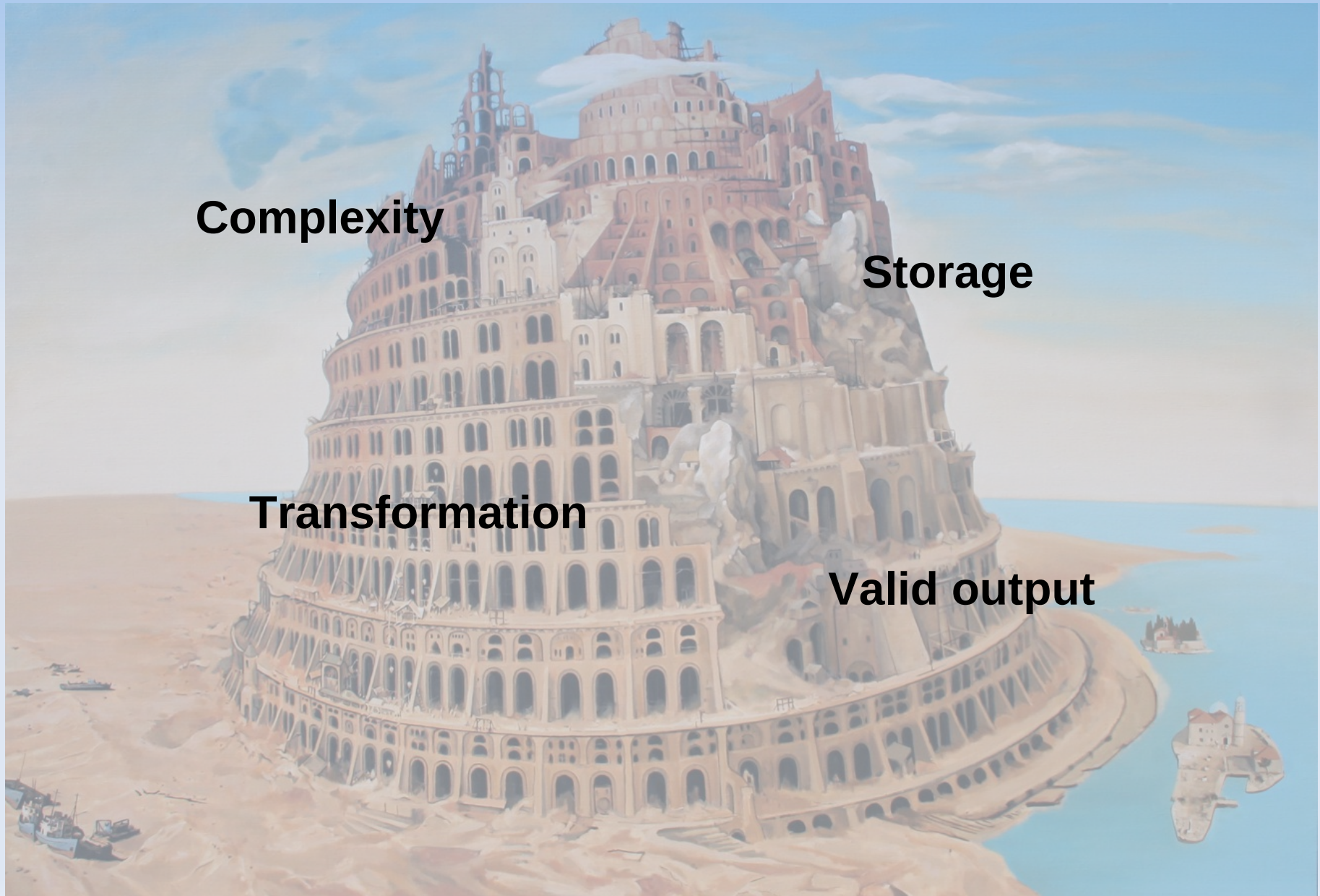
- Make your base data INSPIRE compliant
- Create INSPIRE network service infrastructure

Technical INSPIRE challenges


- Data model is complex (data + metadata)
- Based on advanced standards, e.g.
 - GML 3.2.1
 - WFS 2.0.0
- Quality-of-service requirements

INSPIRE data model challenges

INSPIRE data model challenges



About deegree

- Open Source Framework 
- Geospatial applications and webservice
- deegree 3 does INSPIRE all the way
- Base technology for the official INSPIRE portal

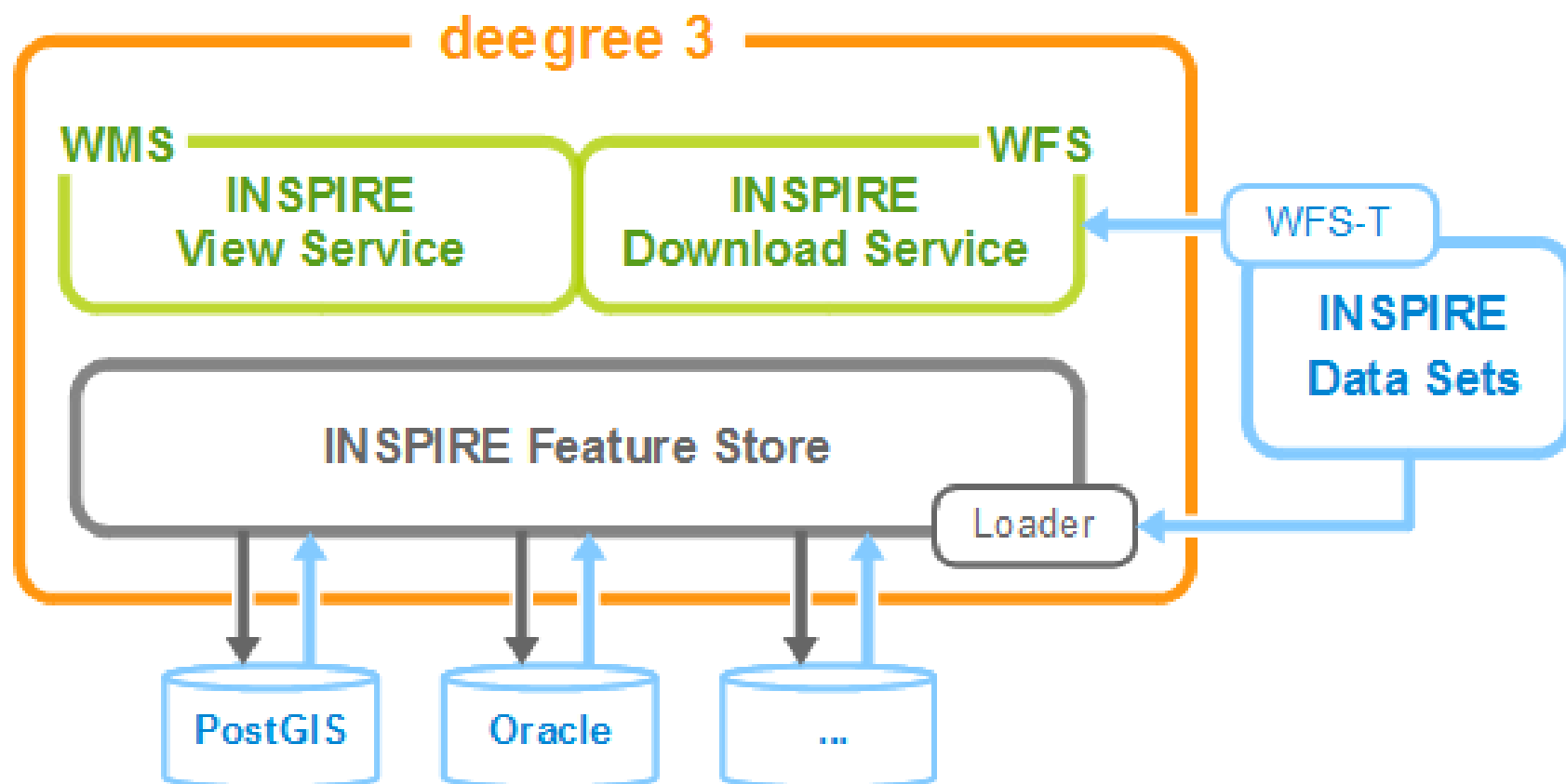
deegree INSPIRE services

- INSPIRE Discovery Service 3.0 / 3.1
 - Find available datasets / services
- INSPIRE View Service 3.0 / 3.1
 - Get maps rendered from datasets
- **INSPIRE Download Service 2.0**
 - Query/download raw datasets

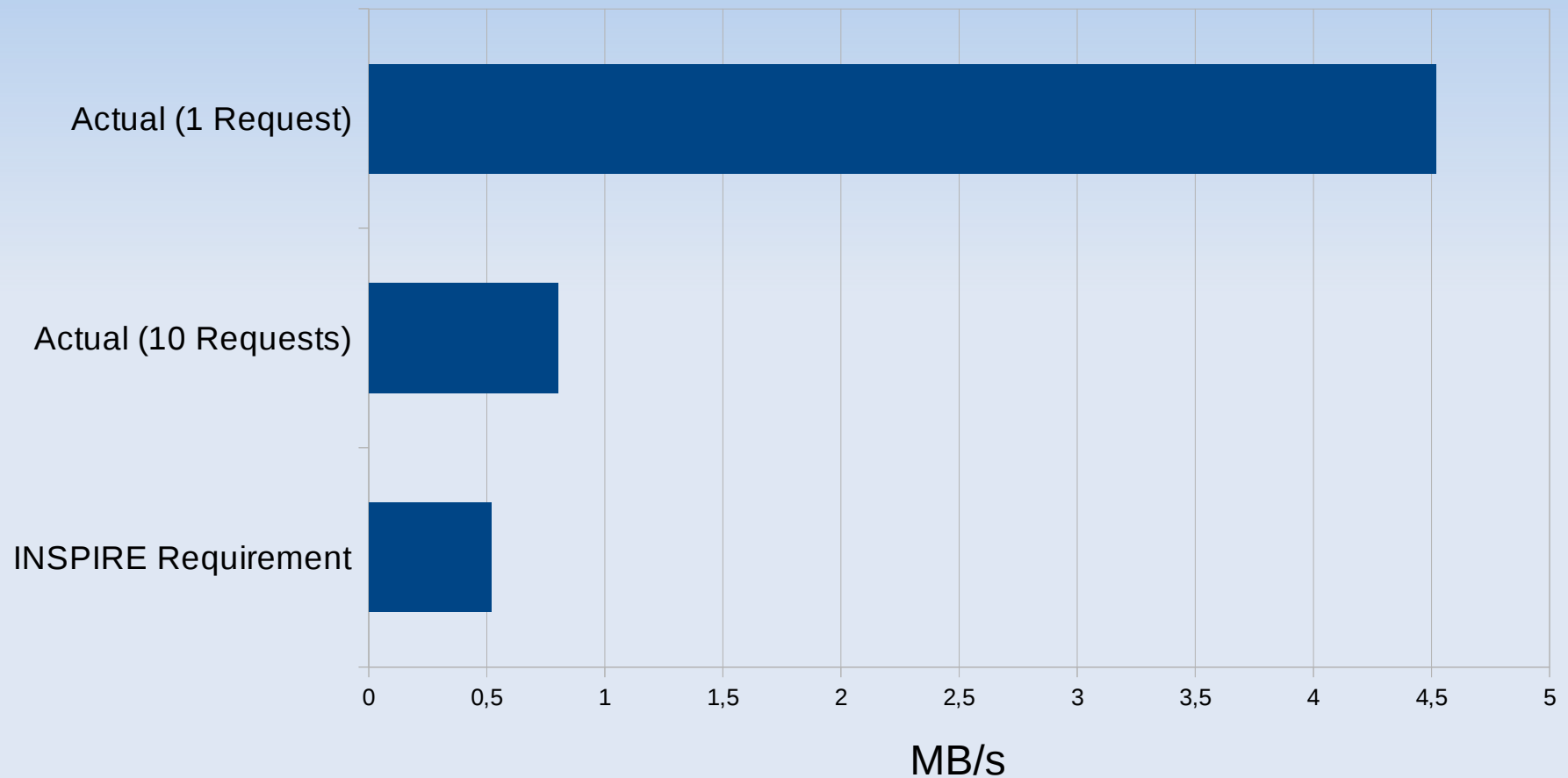
INSPIRE Download Service

- Full protocol support (incl. WFS 2.0.0)
- Compliant GML 3.2.1 output
- Sophisticated storage options
 - Oracle Spatial / PostGIS / (MSSQL*)
 - Relational Mapping / BLOB

Architecture



QoS requirement



INSPIRE Protected Sites (69377 datasets), deegree 3.1.2, PostGIS 8.4,
Lenovo Thinkpad

Getting started

- Visit deegree.org (just relaunched)
- Download deegree web services package
- Startup deegree INSPIRE workspace
- Consult deegree web services handbook

Need help?

- Community support (mailing lists)
- Commercial support / data transformation
 - Occam Labs: www.occamlabs.de
 - lat/lon: www.lat-lon.de
 - IDgis: www.idgis.nl

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