



Reference Information Specifications for Europe

Development of a Methodology & Guidelines for Harmonised Data Product Specifications

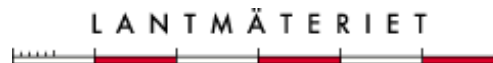
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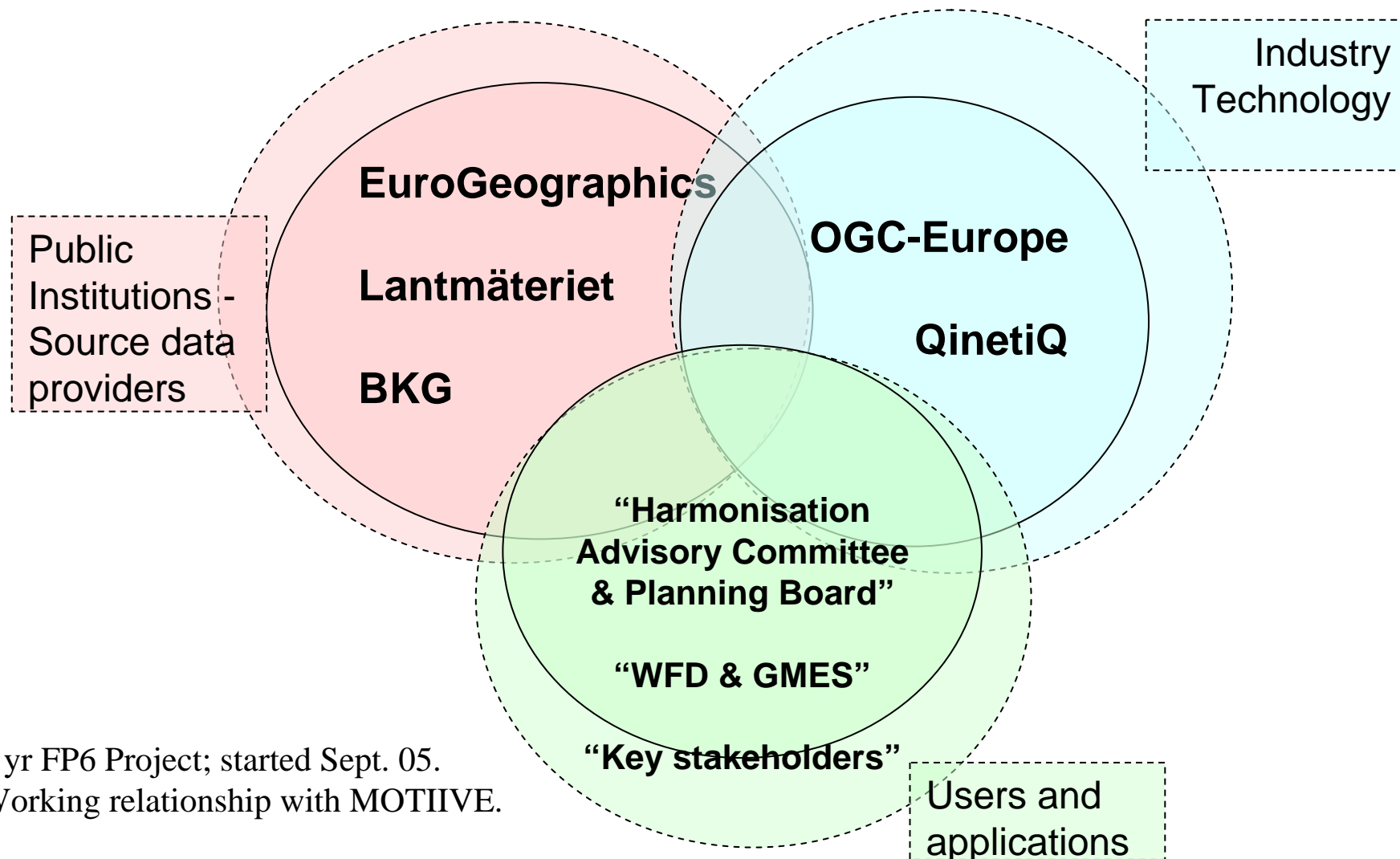
www.eu-rise.org



Bundesamt für
Kartographie und Geodäsie



RISE consortium



2 yr FP6 Project; started Sept. 05.
Working relationship with MOTIIVE.

RISE Process

Goal: create a repeatable methodology

- To be tested with 'Water', 'Land Use' & Elevation' in the context of 'River Basin Management and the WFD' Usable for other use cases and scenarios
- Follow and develop the 'technical principles' of INSPIRE (in close co-operation with INSPIRE DT on Data Specifications)
- Close co-operation with the relevant GMES projects

Spiral engineering approach

- Address a manageable part of the whole problem area at a time
- Translate requirements to concepts
- Translate the concepts to implementation specifications
- Implement
- Test and learn
- Improve



Summary of RISE Activities

- User Requirements Document (analysis of GMES Projects) in the context of INSPIRE and WFD
- Produce Methodology & Guidelines Document. V1.1 available
- Example Harmonised Data Product Specification based on Use Cases. By end 2006.
 - Use Case Requirements;
 - Conceptual Schema (inc. UML, Feature Types; Data Dictionary);
 - Data Product Specification (inc. GML Application Schema).
- Creating Test Environment to confirm methodology and demonstrate creation of harmonised data products from legacy datasets. By early 2007.
- Architecture Document and Cost Benefit document to be produced by early 2007.
- Exploitation Guidelines to be produced in summer of 2007.

Data Harmonisation Components – Overview

1. INSPIRE Information Model

1.1 INSPIRE Principles

1.4 ISO 19100 Profile

1.7 Object referencing modelling

1.2 Reference model

1.5 Multi-lingual text and cultural adaptability

1.8 Data translation model/guidelines

1.3 Application Schemas

1.6 Coordinate referencing and units model

1.9 Portrayal model

2. Operational components/registers

2.1 Identifier Management

2.3 Feature catalogues

2.5 Conformance

2.2 Terminology

2.4 Dictionaries

3. Guidelines & Best Practice

3.1 Metadata

3.5 Derived reporting & multiple representations

3.2 Maintenance

3.6 Consistency between data

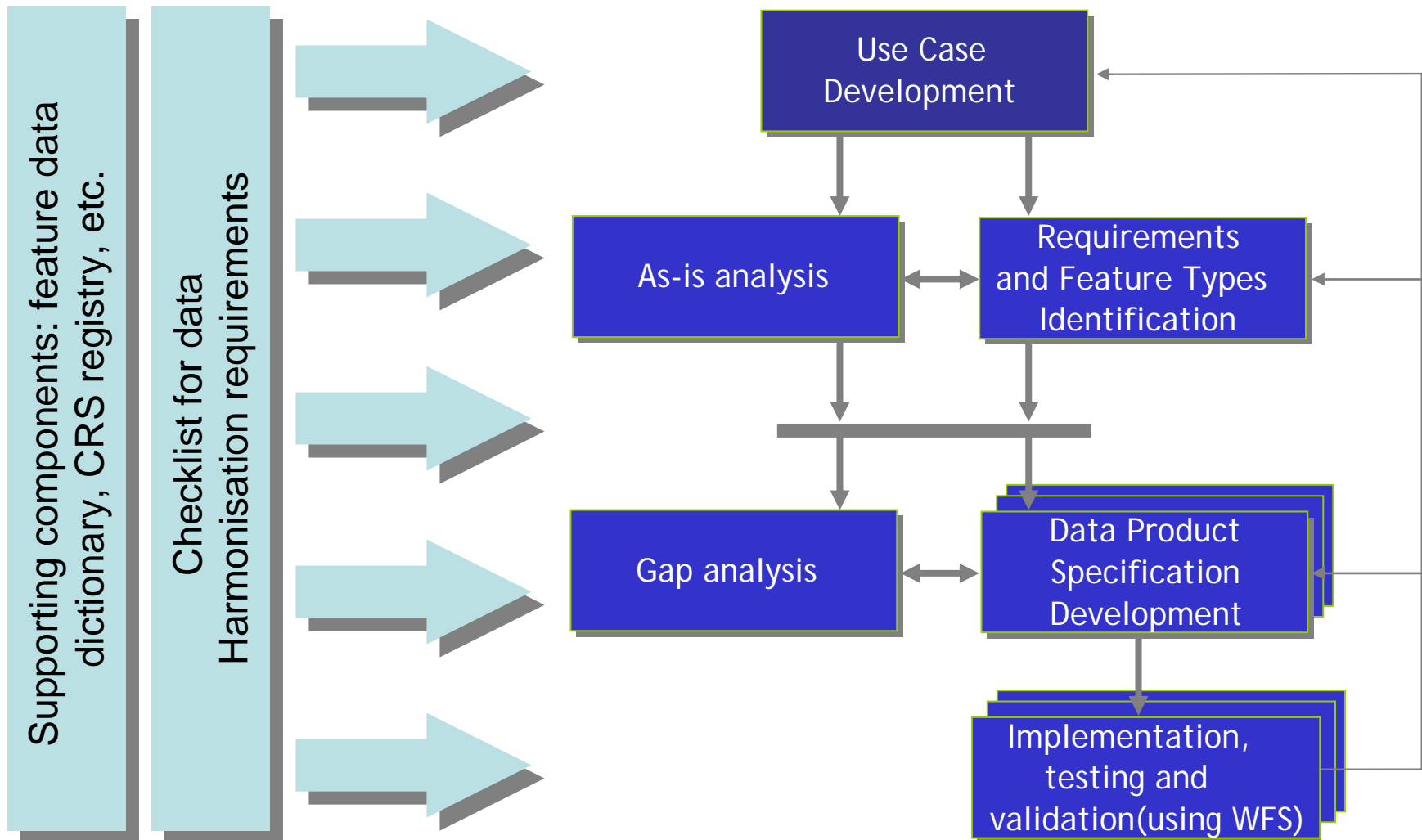
3.3 Quality

3.7 Data capturing

3.4 Data Transfer

(developed by INSPIRE Drafting Team „Data Specifications“ in collaboration with RISE; RISE will focus on the methodology, the DT will focus on generic aspects of the conceptual model)

Methodology & Guidelines Document and associated Checklist addresses steps to data harmonisation





How to stay in touch

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