



Reference Information Specifications for Europe

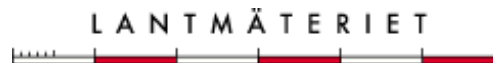
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Bundesamt für
Kartographie und Geodäsie

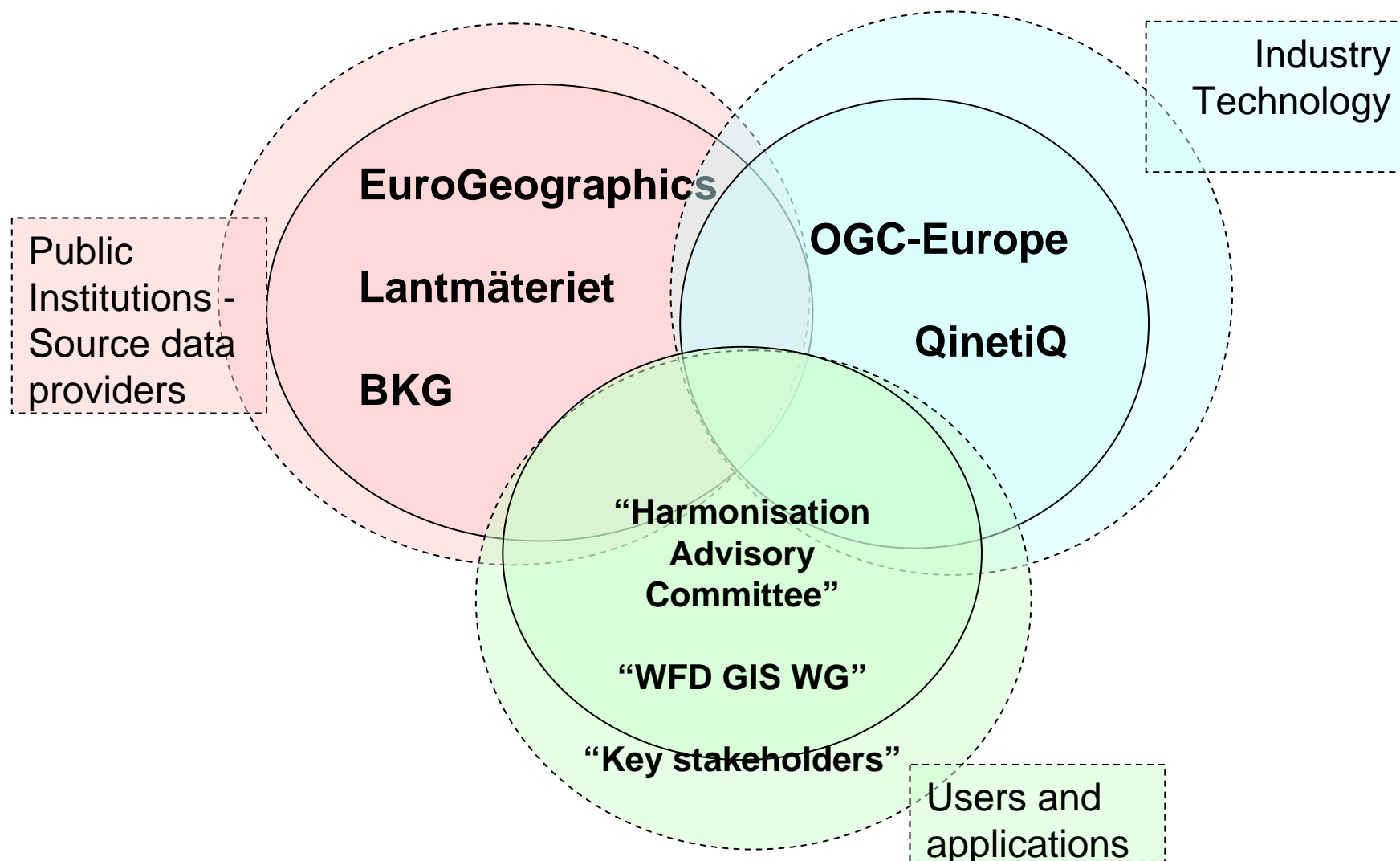




Background

- FP6, GMES 'data harmonisation' project
- Duration : 24 months
- Started : 1st September 2005
- Budget : 1.13 million € (81 man-months)
- Complementary with MOTIIVE

RISE consortium





Project goal

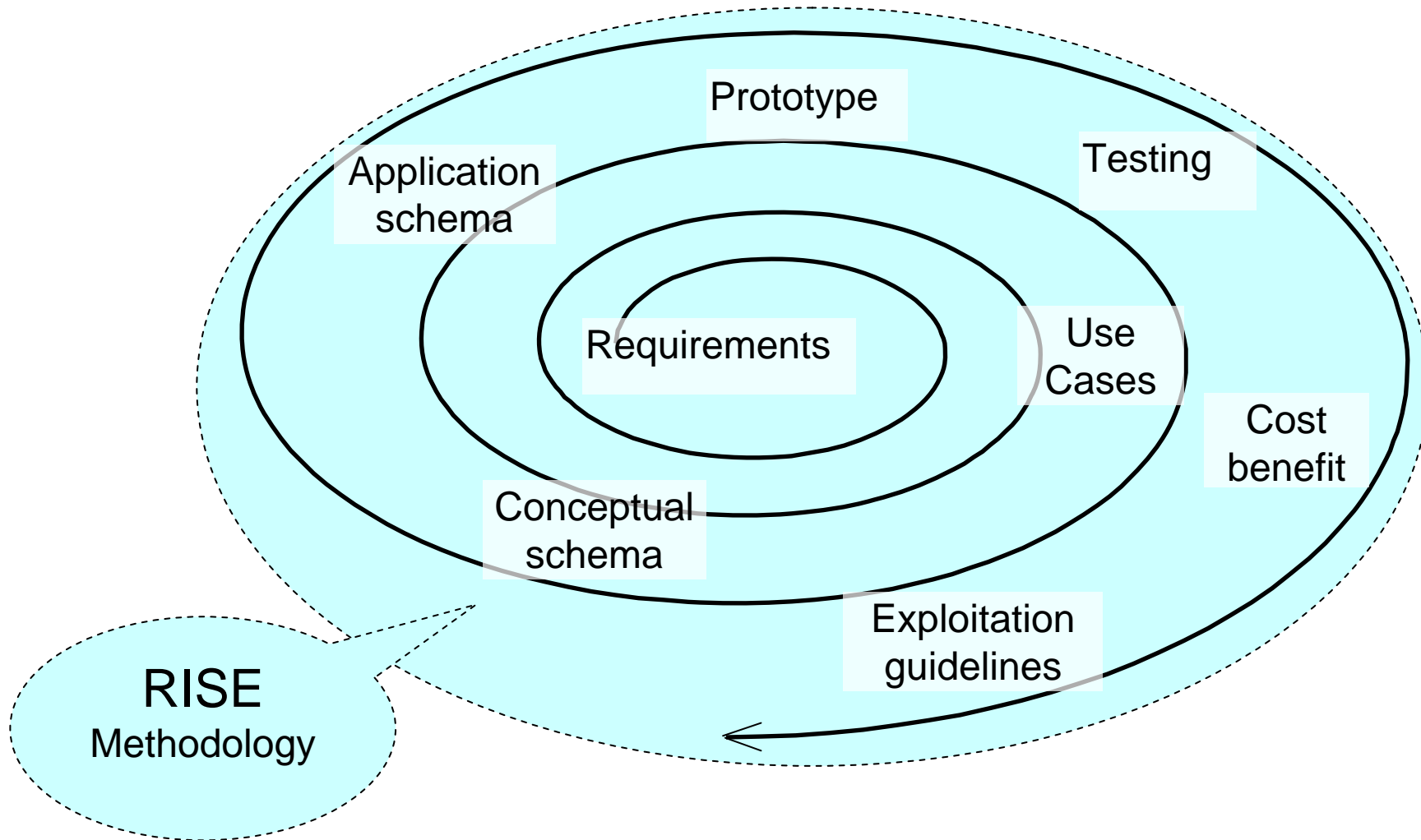
To define guidelines – a ‘repeatable methodology’ - for geospatial implementation specifications:

- Feature Catalogue
- UML Conceptual Schema; GML application schema; Product specification

Focus on 2 key themes:

‘Water’ & ‘Elevation’ in the context of ‘River Basin Management’
(countries & real data still tbc)

Approach





Key Milestones

- By end February '06 – requirements & methodology
- By end August '06 – implementation specifications
- By end February '07 – prototyping & testing
- By end August '07 – guidelines (repeatable methodology)

Why do we need the RISE project?

- INSPIRE, GMES – the user wants to go from ‘global’ to ‘local’
- Huge investment in systems and content, but little ‘data integration’ and ‘data harmonisation’, particularly across national borders – the ‘silo’ mentality which limits ‘re-use’ of GI
- Today we have no equivalent to ‘Structured Systems Analysis & Design Methodology’ (SSADM) – no common language, no ‘methodology’ for how to implement ISO standards and OGC products
- We need specifications for ‘reference data’ to which all other GI can be related > ‘surface water’, ‘elevation’



Who will benefit (and how) from RISE?

- System developers & Service providers
- Data providers
- GMES
- INSPIRE
- Water Framework Directive
- Users

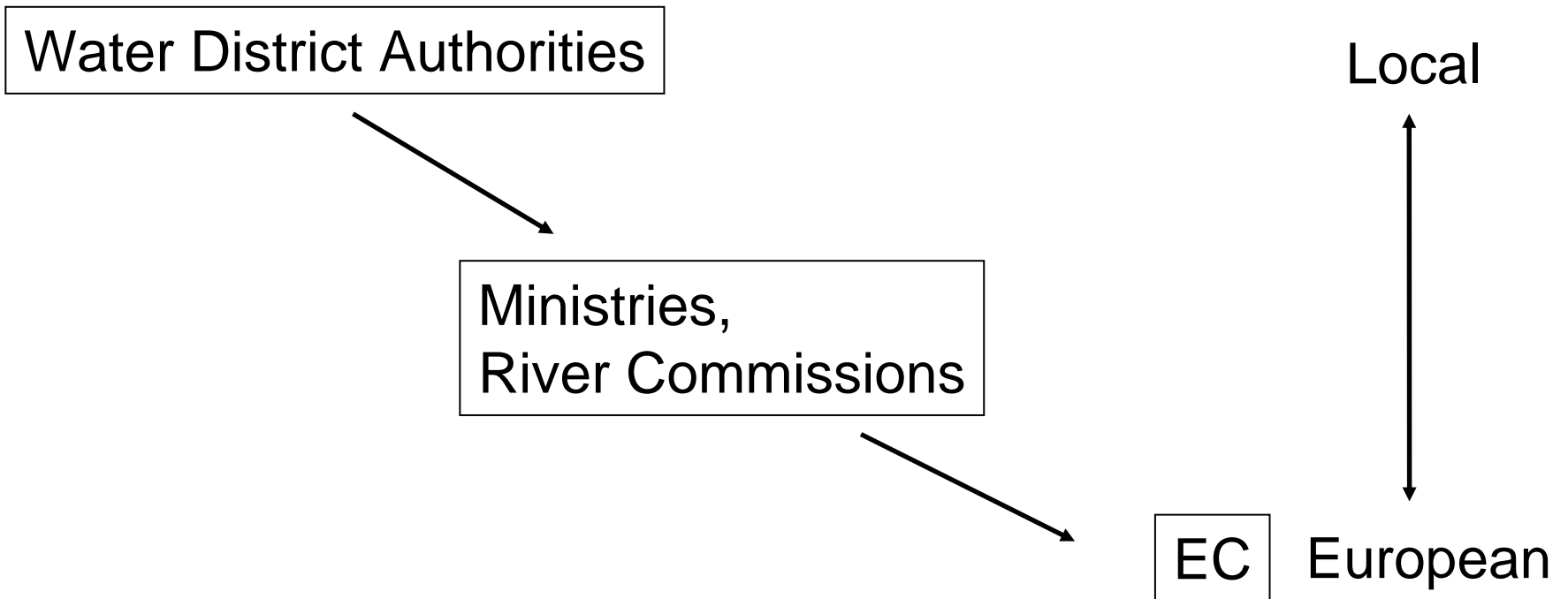
User Requirements

- Analysed 96 GMES Projects
- 17 identified as being relevant
- 10 identified as particularly relevant:
 - ARMONICA
 - EDNE-IW
 - EFAS
 - GEOLAND / GSELAND
 - HALO
 - MARCOAST
 - PREVIEW
 - RISK-EOS
 - ORCHESTRA
 - WIN

User Requirements (contd.)

- Also analysed EC Framework & WFD Projects
- of particular interest are:
 - SDIGER
 - EUROHARP
 - HARMONI-CA
 - HarmoniQuA
 - HarmoniRiB
 - BMW

Example Use Case: Water Framework Directive Reporting



Suggested Use Cases + Interdependencies



Guidelines for Reference Data Implementation Specifications (Coordinated with INSPIRE DT)

River Basin
Thematic GMES
Use Cases ?

Nutrient leakage into rivers: GSE Land ?/...

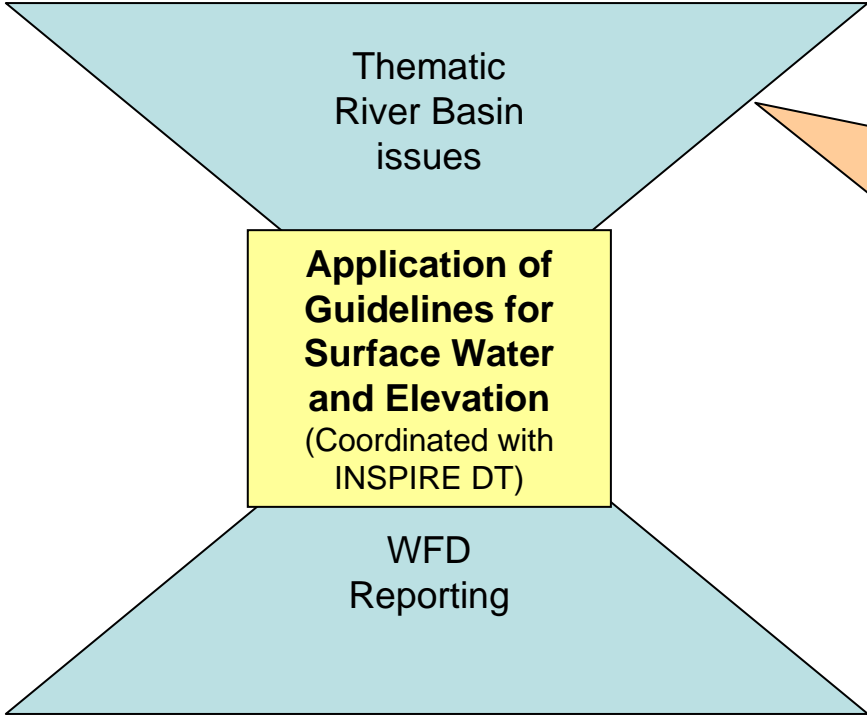
Flooding: Risk- EOS/EFAS ?/...

Coastal issues: MARCOAST ?...

Together with MOTIIVE

Output from RISE

Suggestions



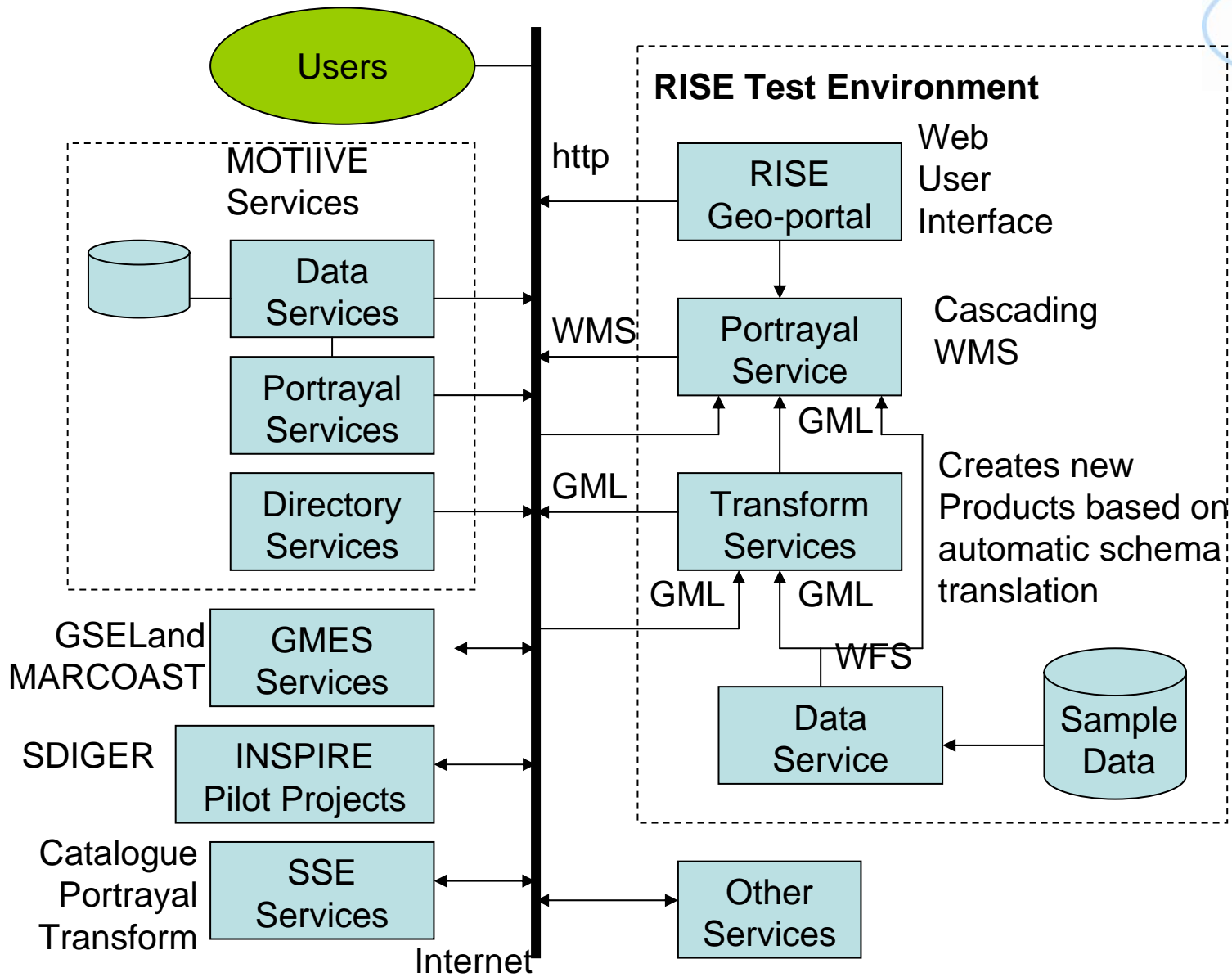
Other relevant projects:
 -EUROHARP ?
 -HARMONI-CA ?
 -HARMONQUA ?
 -BMW ?
 -ORCHESTRA ?
 -WIN ?
 -SSE ?
 -HMA ?

River Basin
WFD Use Cases ?

National
Improved hydrological information ? (Sweden)

Regional
SDIGER ? (Spain/France)

Pan-European (EC-level)
WISE?



How can you get involved?

- Invite a RISE representative to project meetings
- Contribute your requirements based on your project experience (respond to questionnaire)
- Help define the use cases
- Engage in the test phase of the project (provide data?)
- Review project deliverables
- Joint Harmonisation Advisory Committee/Project Board
- Join us at the user seminar (at the end of the project)



How to stay in touch

- Subscribe to our eNewsletter
- Check our website: www.eu-rise.org
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