



d4SCIENCE

Community Kick-off
06 March 2008
Rome (Italy)

Country-level data

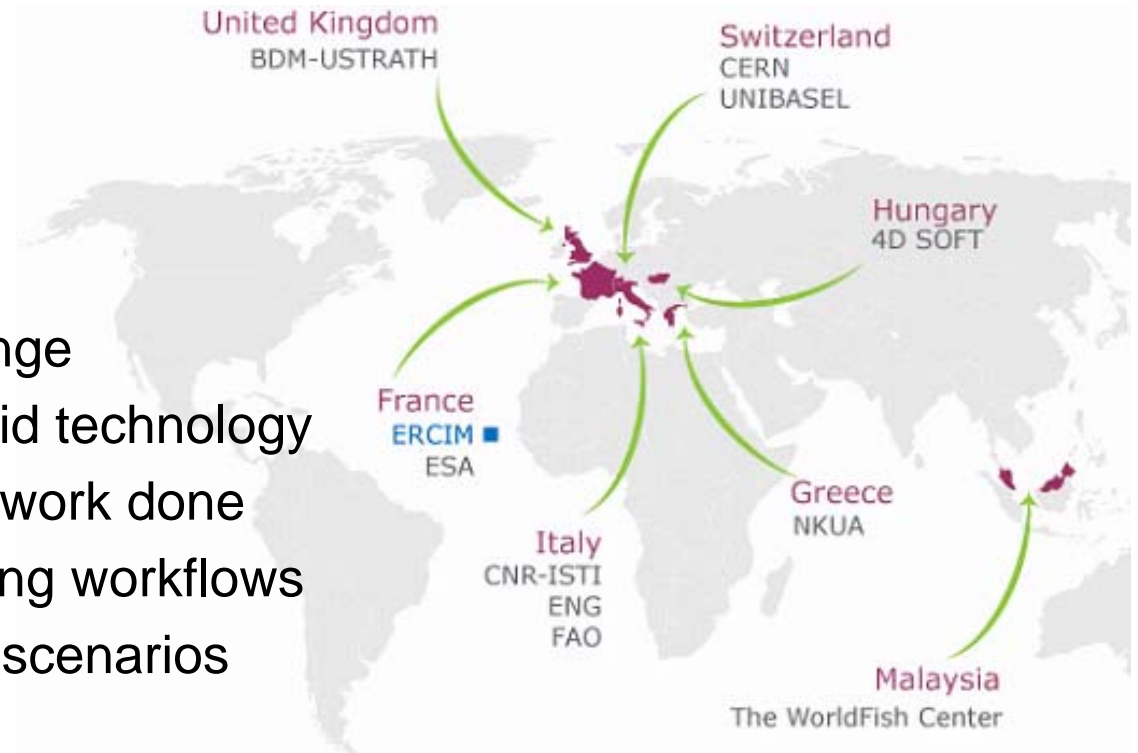
How can D4Science respond to needs for country-level reporting?

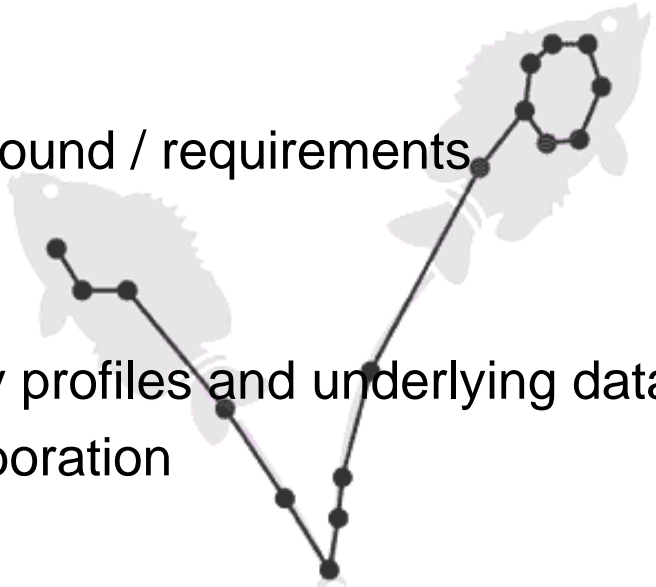
Yves Jaques

How can D4Science respond to needs for country-level reporting?

Why this meeting?

- Gather interested groups
 - FAO
 - ESA
 - CNR
 - ENG
- Information exchange
 - Learn about grid technology
 - View previous work done
 - Examine existing workflows
 - Plan for future scenarios

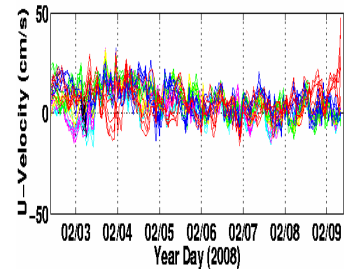


- 10:00 - 10:15 Opening remarks
 - 10:30 - 11:00 Diligent/ImpECt background / requirements
 - 11:00 - 11:30 Diligent/ImpECt demo
 - 11:30 - 11:45 Coffee break
 - 11:45 - 12:15 Present current country profiles and underlying data
 - 12:15 - 13:00 Discuss points of collaboration
 - 13:00 - 14:00 Lunch
 - 14:00 - 15:00 Discuss technical issues of collaboration
 - 15:00 - 15:30 Conclusions/next steps
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- ❁ Country profiles search page is the most popular thematic search on the FI website.
- ❁ Low bounce rate compared to site average.
- ❁ Currently three products
 - Fishery Country Profiles
 - National Aquaculture Sector Overviews
 - National Aquaculture Legislation Overviews



- Fits our source data
 - Country-level data is one of the main levels of resolution we have.
 - Many reporting mechanisms are based at country-level.
- Provides a data synthesis
 - Country profiles provide a high-level overview that is formed from multiple sources.
 - Highly valuable when:
 - up-to-date and
 - based on trusted information.
- Useful for management
 - Many management decisions are made at national level, or
 - at regional level based on data aggregated from national level.



Converted to XML



Content produced as word documents



XML data from federated systems at request time



Converted to HTML at request time



Visualised as a web page

■ Authored content

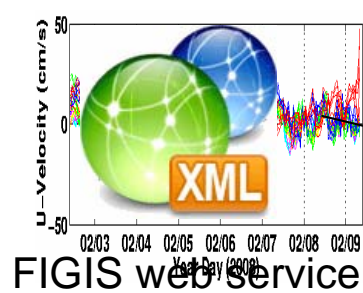
- produced in proprietary, unstructured Word format.
- conversion to XML labour-intensive.
- update not straight-forward:
 - update Word document?
 - update from XML?

■ Federated content

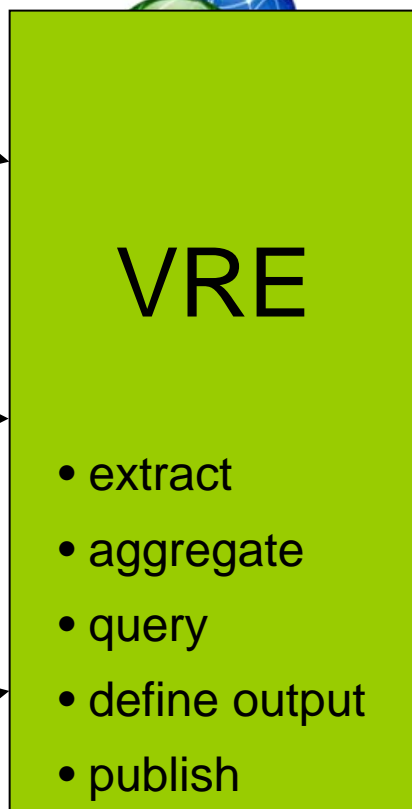
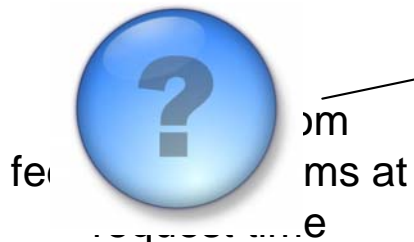
- Data access coded into XSL.
- Most sources are non-standard schemas.
- None of the sources are WSDL.

■ Output format

- a function of the XSL.
- designed for the FI website.
 - Currently only HTML or XML output.
- quasi-monolithic output.
 - Users can't select the pieces they want very easily.
 - Requires intimate knowledge of XML and associated schema.



ESA data



Data





















Metadata










🌿 Working practices

- A sustainable VRE (beyond pilot stage) means some change to current practices.

🌿 Existing services

- For full benefits, many data sources need upgrades to their services.

🌿 Metadata

- It may be challenging to harmonise some data sources.

🌿 Outputs

- Report formats must be defined and agreed upon.

🌀 Produce the vision

- What would be the ideal working system?
- What is the ideal thematic scope?
- How many products might we ideally want to generate?
- How many formats might we want to produce?

🌀 Gather requirements from interested staff

- Groups currently producing country-level data
- Not just profiles but other types of data that have a country-level resolution.

🌿 Document current working practices

- Consider from a perspective of Business Process Re-engineering
 - What works/what doesn't?
 - What are the bottlenecks?
 - What are the inefficiencies?
 - What data is there but of little use?
 - What data is missing / hard to get at / hard to prepare?

Interact with project partners

- Is the vision/scope acceptable?
- Technical problems?
- Not challenging enough?
- Not collecting all needed requirements?

🌀 Thanks.

