



**d4SCIENCE**

**ICIS report to CWP meeting**  
7 - 9 July 2008  
Halifax (Canada)

# **Integrated Capture Information System**

## *Objectives and Context*

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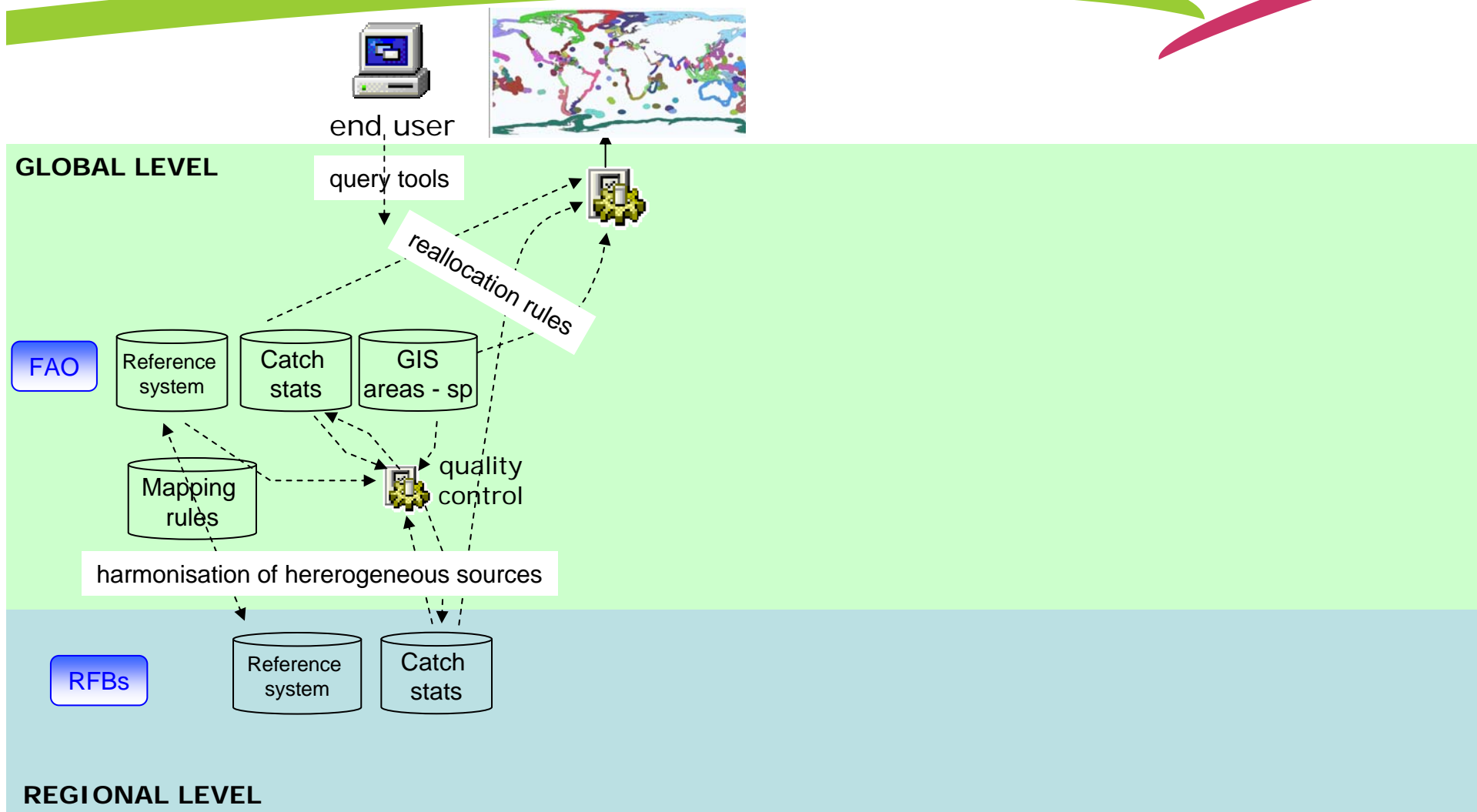


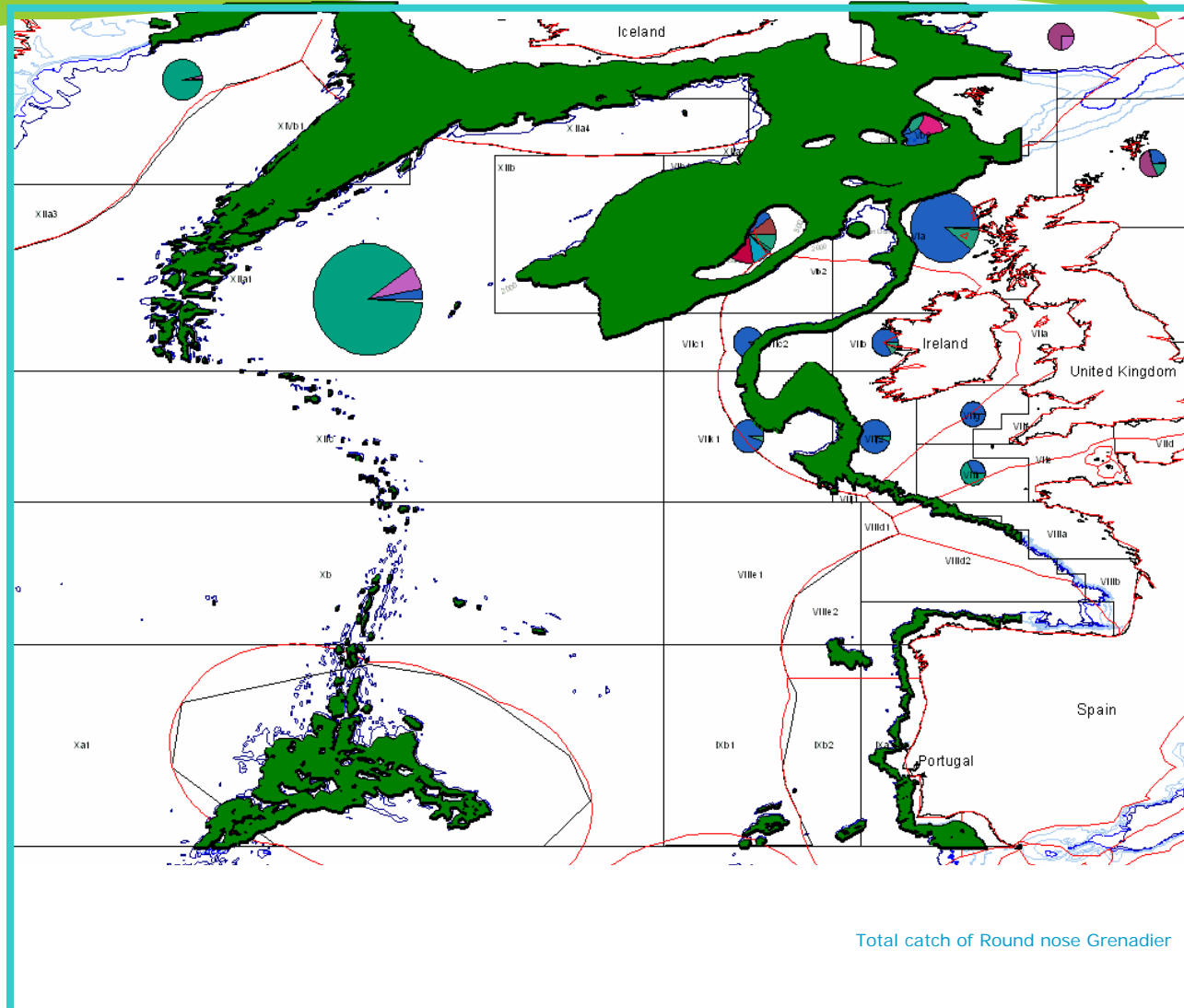
- Increasing demand for global catch data with finer geographical resolution, including:
  - The UN recommendation to FAO to “revise its global fisheries statistics database to provide information for the stocks to which the Agreement applies, as well as to high seas discrete stocks on the basis of where the catch was taken.” (Document A/CONF/.210/2006/15, Annex, Paragraph 25, 26).
  - Frequent request to separate catch between EEZs and high seas.

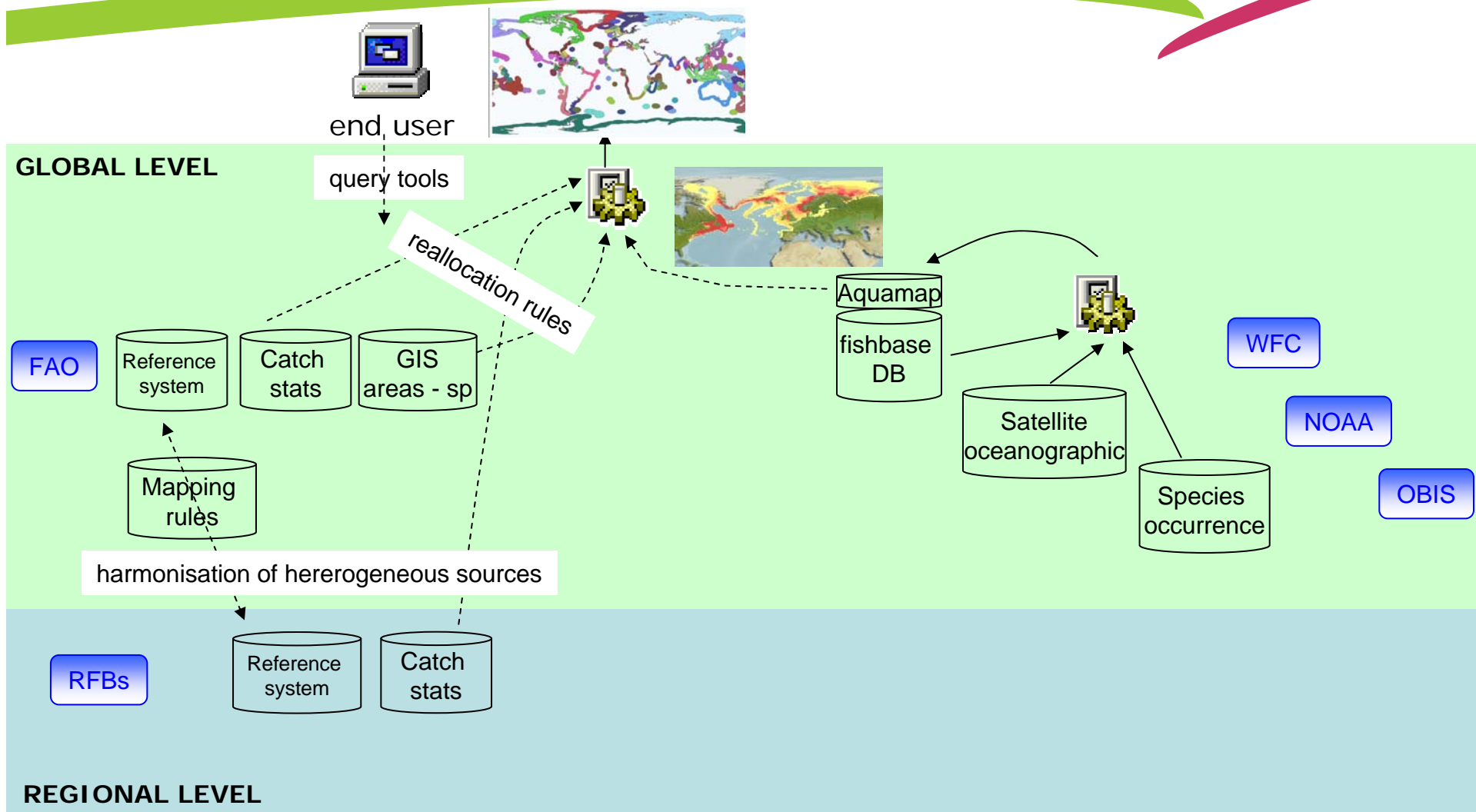
- CWP-22: to respond to the UN recommendation
  - by integrating catch statistics that RFBs and FAO have collected, maintained, and disseminated [CWP-22 Report] based on rules established in the previous CWPs.
  
- CWP-22: highlighted issues of discrepancies in catch data among different data sets.
  - Continued efforts to resolve them,
  
  - but at the same time recognizing it not possible to make all the data exactly match

- FAO reform: comparative advantages and partnerships
  - Stressing need for building on comparative advantages, and expanding Partnerships and alliances on weaker areas;
  - WorldFish Center has complementary research mandate
  - Complementary “ecological” systems: Fishbase, OBIS, Aquamap
- FAO reform: knowledge organization, thematic networks
  - FAO’s leadership on many areas of information management: Metadata standards, GIS technology, web based technology and ontologies development, etc.

- Create an information system which will facilitate ...
  - the dissemination through tables or maps of credible estimates of catch data, according to users' choice of geographical system, based on best available statistic sources and with transparent algorithms.
  - the comparison of catch statistics among various sources.
  
- through mechanisms allowing ...
  - harmonization of heterogeneous sources
  - easy updating and feedback processes
  - the definition of re-allocation rules
  - support for query, output and annotation.



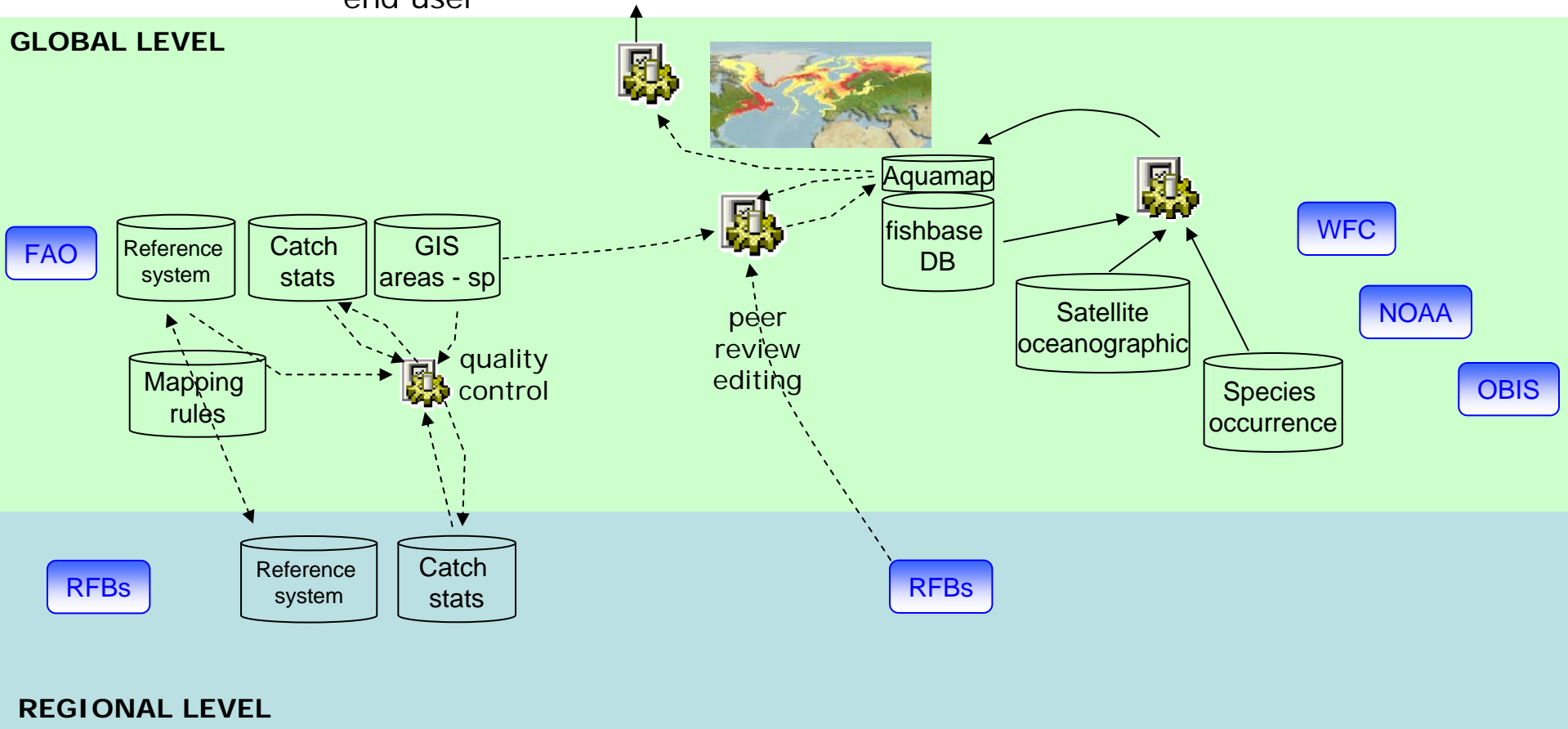






end user

GLOBAL LEVEL



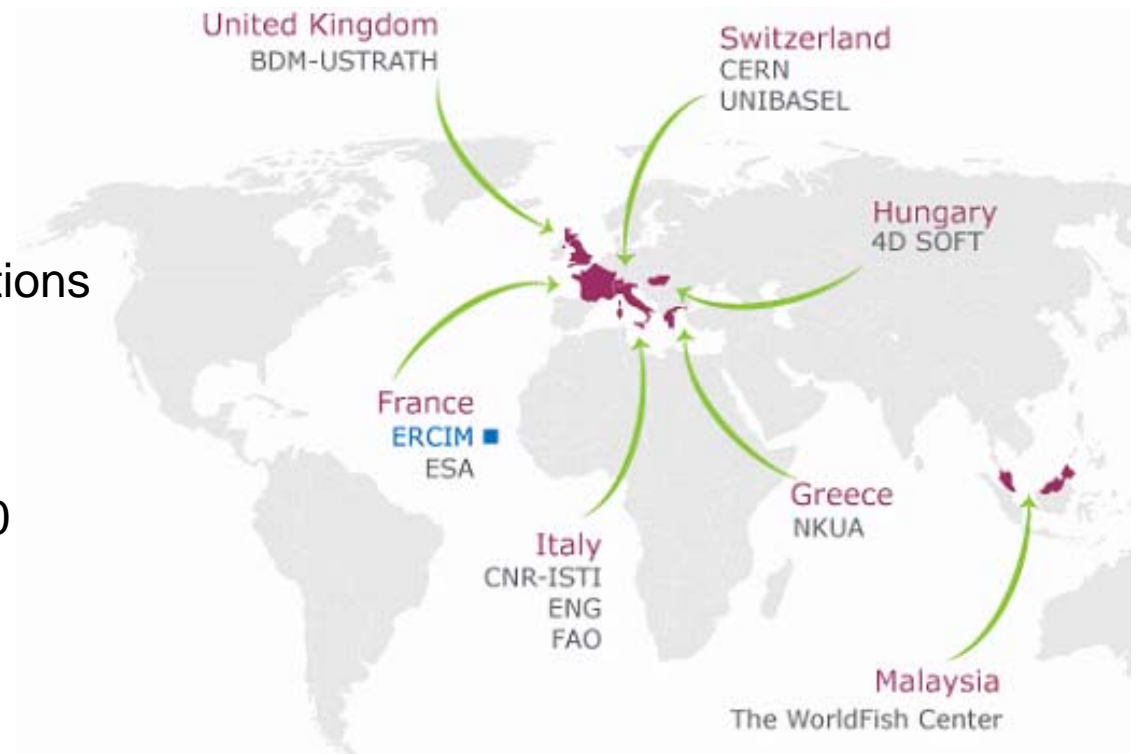
Using this opportunity, the newly developed system is intended to cover wider utility needs including:

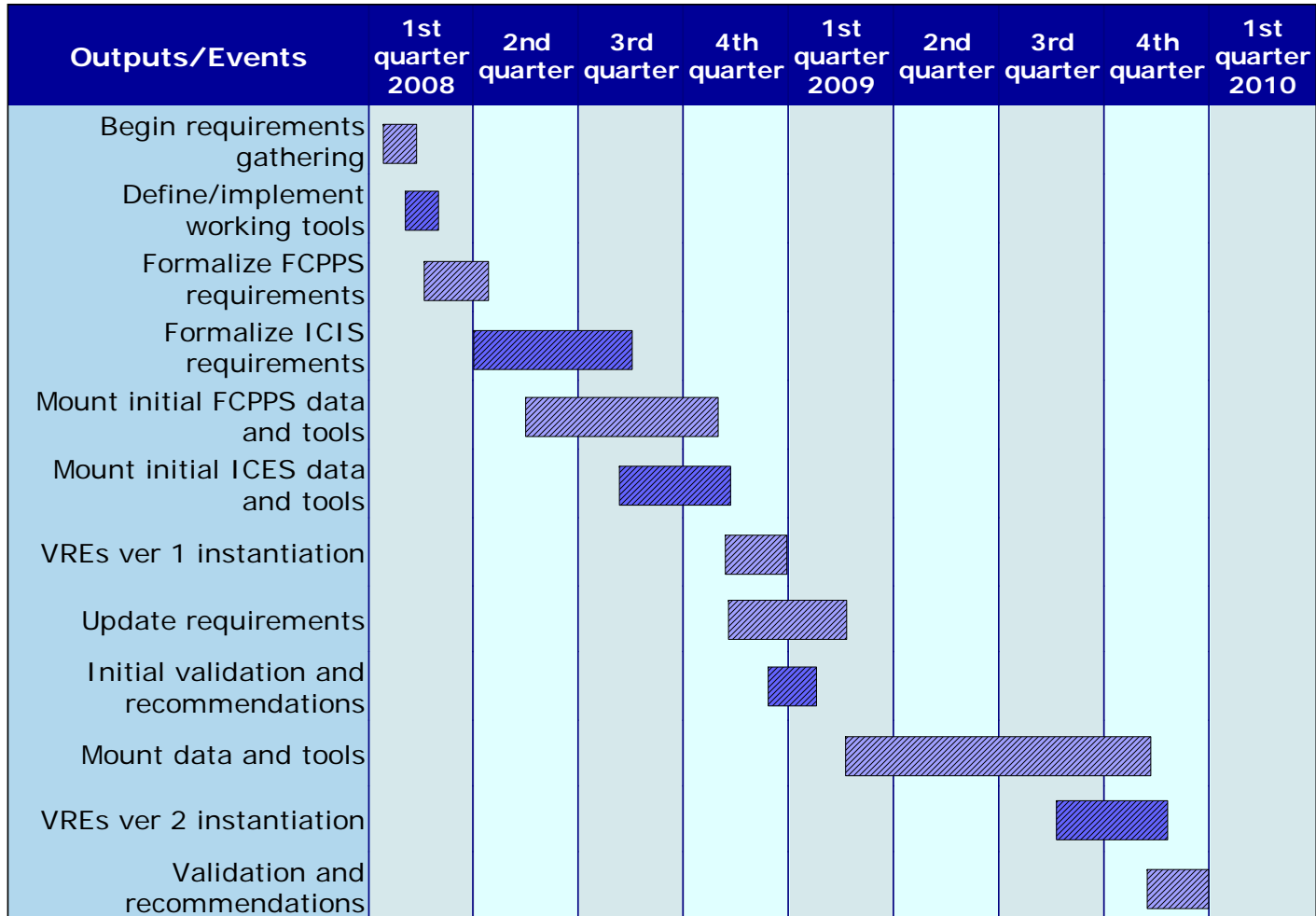
- possibility of going from regional to national.
- assessment of environmental impacts, etc...

1. Produce a Community Requirements document on the ICIS, and its supporting mechanisms
2. Road map regarding its implementation, with roles assigned

- Combined funding support:
  - GCP /INT/069/JPN
    - Promotion of sustainable fisheries: support for strengthening functions of & coordination among RFMOs.
    - 5 years.
  - D4Science
    - Distributed colLaboratories Infrastructure on Grid ENabled Technology 4 Science.
    - 2 years.
- Relationship with broader CWP community:
  - D4Science provides means for pilot process, with more focus on data harmonization / integration aspects
  - Jpn project assists in broader CWP community involvement, with more focus on definition of data processing and final products

- Funding
  - European Commission
    - 7th Framework Programme for Research and Technological Development
- Partners
  - Universities
  - National institutes
  - International organizations
  - Private companies
- Timeframe
  - Jan. 2008 – Dec. 2010
- History
  - EGEE
  - Diligent





- Who we are? why do we work together? who are clients we are serving?
  - Fisheries
    - FAO
    - RFB's
  - Environmental
    - World Fish Center and its partners
- What are the benefits?
  - Reuse of already available tools
  - Improved import/export services for our data.
    - Allows us to use a wider array of tools.
    - Makes it easier to add new data streams.
  - Standardized data models and outputs promote sharing and re-use.
  - Defined processes for data harmonization/re-allocation.
  - Maintain process history and process/data annotations.
- Looking to the future
  - Provides a blueprint for similar future initiatives in areas such as VMS.