Belmont Forum

E-INFRASTRUCTURES & DATA MANAGEMENT Collaborative Research Action

ENVRIplus

Sanna Sorvari, Finnish Meteorological Institute

Scoping Workshop

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ANR, Paris

AGENCE NATIONALE DE LA RECHERCHE





ENVRIPLUS – EC FUNDED CLUSTER PROJECT OF ENVIRONMENTAL RESEARCH INFRASTRUCTURES

- 15 M € budget for 2015-2019
- 37 beneficiaries
- 19 Work Packages organized in 6 Themes
- 22 Research Infrastructures from 4 Environmental Domains

Aim is to create **more coherent**, interdisciplinary and interoperable cluster of Environmental Research Infrastructures in Europe



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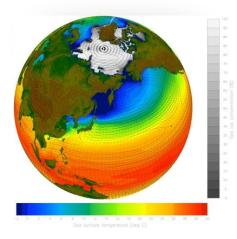
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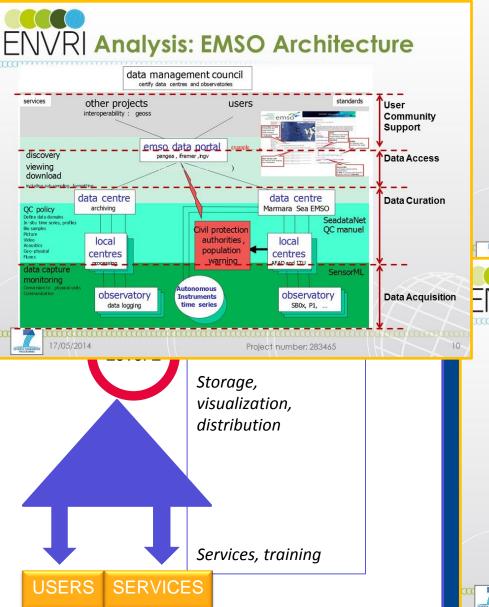
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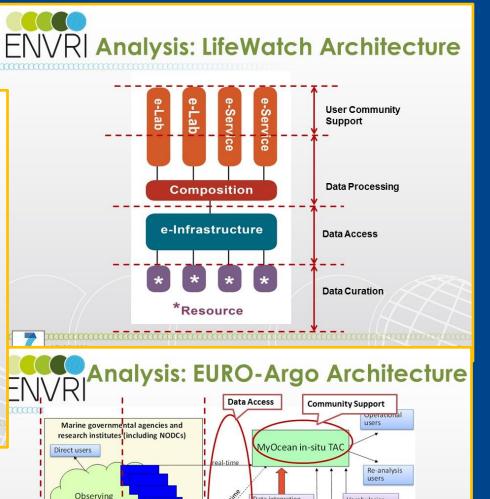


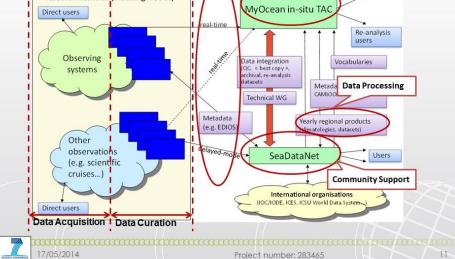


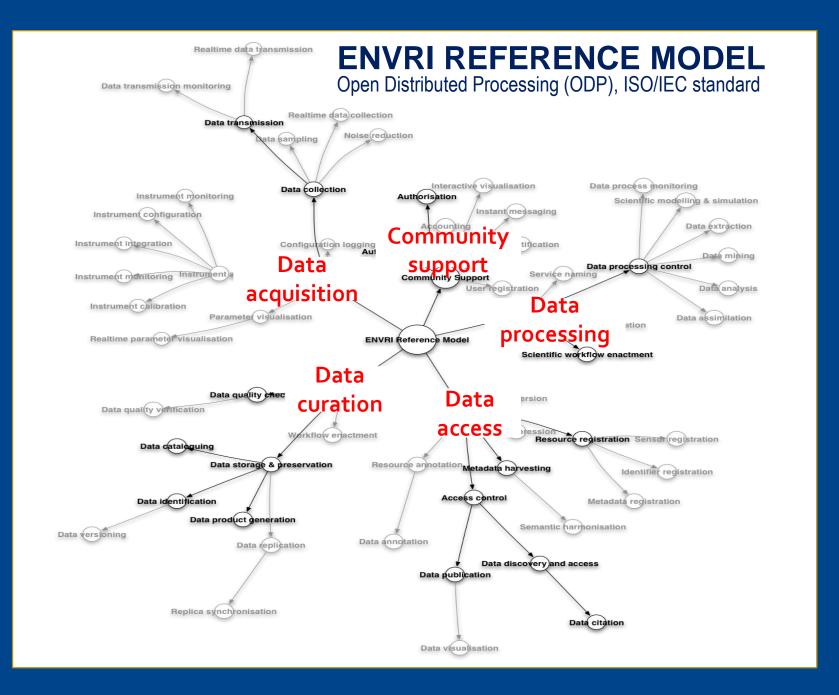














CHALLENGES IN ENVIRONMENTAL SCIENCES



Quality challenge: Quality control for large quantity and nearly real time sensor data Collaboration challenge in documenting data processing workflows and sharing among communities.

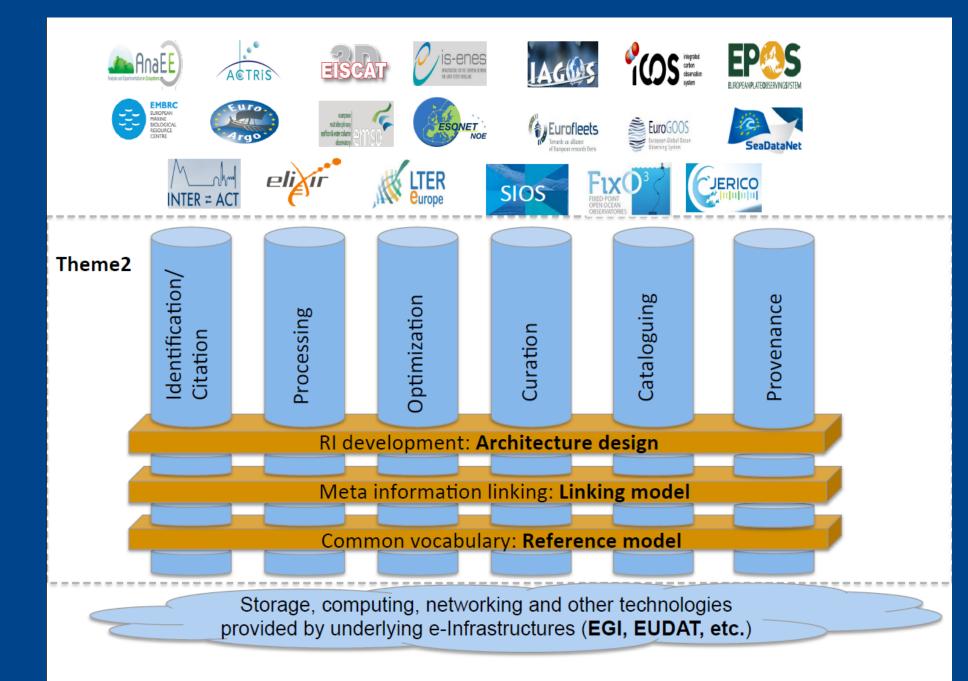
Identification/ Citation/ challenge Identifying and citing data objects, and in publishing data



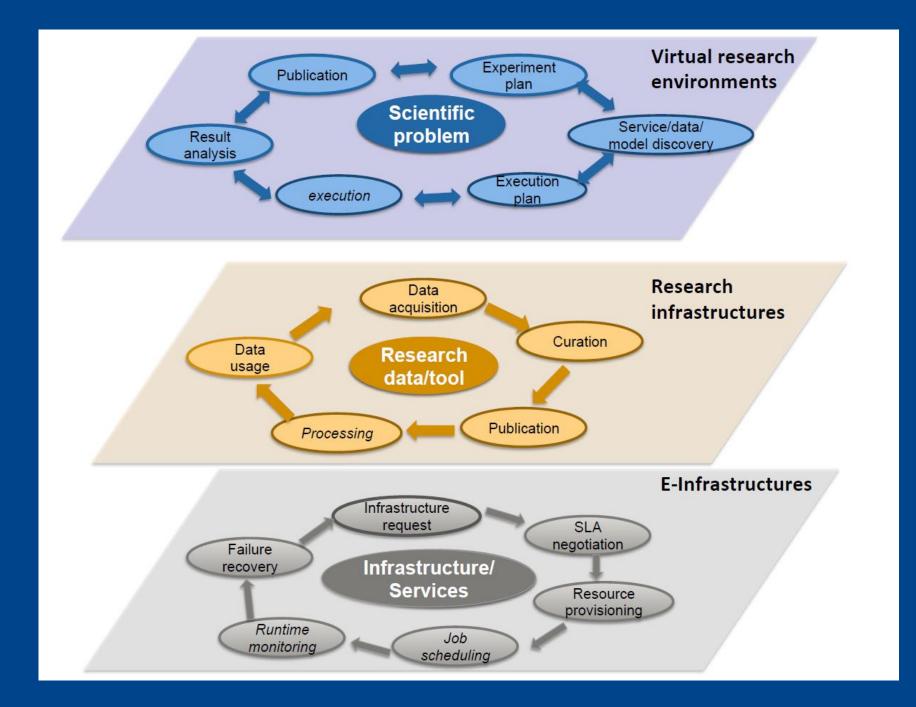
Execution challenge in executing applications on distributed computing infrastructures

Access challenge: accessing data from different sources

Processing challenge in combining different data processing models









WHAT YOUR PROJECT COULD GAIN FROM INTER-PROJECT COLLABORATION ON THESE ISSUES?

- understanding the landscape of data and service providers
- promoting of common models and framework (ENVRI Reference Model, linking models and architecture design,..)
- Enhancing the global collaboration of e-infrastructures and RIs
- Need to work internationally on several "layers", all the layer have they own collaboration and development needs (e-infra,

RIs, VREs)

