OVERVIEW OF THE PROJECT

PRESENTER: WERNER L KUTSCH
INSTITUTION: ICOS ERIC
OVERALL MOTIVATION OF THE PROJECT

• To provide common solutions to shared challenges.
• To support RI construction and implementation.
• To support inter-operability.
• To coordinate the structure of the scientific community and reduce the fragmentation in the environmental RI landscape.
• To support and coordinate significant opportunities for innovation.
• To further develop the community.
AN INCREASING COMMUNITY

The ENVRI Community
(growing towards a solid structure)
PARTICIPATION CONCEPT

Definition of an Infrastructure

ENVRI RIs are diverse in:
• scientific questions,
• relation to Grand Challenges
• institutional aspects,
• maturity scales,

- Wide participation concept from ERICs to IA

Domains and cross-domain
• 4 environmental domains
• shared challenges

- Mixed approach with domain-wise cooperation and cross-domain Themes
PARTICIPATION CONCEPT
CLOSE TO 2016 ESFRI ROADMAP

European Strategy Forum on Research Infrastructures

ROADMAP 2016

STRATEGY REPORT ON RESEARCH INFRASTRUCTURES

Biodiversity Research Infrastructures

Operational oceanography and ocean and climate change research rely on an integrated, sustained multidisciplinary observing system.

GEOHAZARDS
Satellite Data
Near Fault Observatories
Geomagnetic Observations

Anthropogenic Hazards

Multi-scale Laboratories
GETB for Low Carbon Energy

Seismology
Volcano Observations
GNSS Data & Products
Geological Information and Modeling

- EDRIS, NERA
- MEDUSCV, FUTUREVOLC, MARSITE
- ORFEUS, EMSC, EUREF, EuroGeoSurvey, INTERMAGNET
- OneGeology Europe
- SHARE, SAFER, REAKT
- GEM, ICDP, IODP
- VERCE

H2020 Project
Project Number: 654182
PARTICIPATION CONCEPT

E-Infrastructures

E-Infrastructures are important participants of the cluster
- Experts for data
- Provide services
- ENVRIplus is the place for test cases on internal vs external data infrastructures

ENVRIplus and European Open Science Cloud
- The EOSC Concept was not existing when the ENVRIplus proposal was written
- ENVRIplus has a strong involvement of those e-Infrastructures that are key players in the development of the EOSC
- ENVRIplus products are designed to be taken up by the EOSC
- ENVRI community is participating in the EOSCpilot Project to support the development of governance and the role of the Ris there
- In the context of this report we are referring to EUDAT and egi, less to EOSC.
BACKGROUND: THE LANDSCAPE OF RESEARCH INFRASTRUCTURES
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Earth System Domains
- Atmosphere
- Biosphere
- Lithosphere
- Hydrosphere

Environmental challenges
- Climate change
- Loss of biodiversity and ecosystem integrity
- Pollution
- Eutrification

Societal needs
- Sustainable provision of resources
- Food security
- Access to water
- Intact environment

H2020 Project
Project Number: 654182
THE SIX THEMES

Theme 1: Technical innovation
• 4 Work Packages, 457 PM

Theme 2: Data for Science
• 5 Work Packages, 620 PM

Theme 3: Access to Ris
• 2 Work packages, 80 PM

Theme 4: Societal Relevance and Understanding
• 3 Work packages, 114 PM

Theme 5: Knowledge transfer
• 2 Work Packages, 74 PM

Theme 6: Communication and dissemination
• 2 Work Packages, 139 PM
THE BASIC APPROACH: RM BASED KNOWLEDGE BASE

Experts

Experience of RI

Reference Model Concept

Maturation of Research Infrastructures

Improved inter-operability

Implementation

Experts

Experience of RI

Reference Model Concept

Maturation of Research Infrastructures

Improved inter-operability

Implementation
ENVRIweeks twice a year (May and November)
- Community meetings at domain, work package or task level
- BEERI meetings
- Specific topics addressed at each ENVRIweek
  - Communication of Infrastructures
  - Presentation of ENVRIplus to additional RIs
- Definition of use cases
- Cooperation with Industry
- Cooperation between Copernicus and Research Infrastructures

Active Collab – online platform for collaboration
- Ongoing communication via virtual meeting platforms
INTRODUCTION TO MID-TERM REVIEW

- Introduction of the Themes with highlights
  - Objectives
  - Status report: Deliverables, Milestones, Achievements
  - RI Engagement
  - View forward: risks and actions to minimize
  - Highlights

- Presentations on Impact and Management
  - Focus on RI Benefits

- Final Conclusions and Discussion
AGENDA OF THE REVIEW
WEDNESDAY 17.5.2017

13:45 Introduction of participants
14:00 Overview of the project (Werner Kutsch, coordinator)
14:30 Theme 1 (Technical innovations, WPs 1-4) and related Highlight presentations
15:30 (Break)
16:00 Theme 2 (Data for Science, WPs 5-9) and related Highlight presentations
17:00 Theme 3 (Access to RIs, WPs 10-11) and related Highlight presentation
17:30 Theme 4 (Societal relevance, WPs 12-14) and related Highlight presentation
18:00 Ending comments, discussion
AGENDA OF THE REVIEW THURSDAY 18.5.2017

- 9:30 Theme 5 (Knowledge transfer, WPs 15-16) and related Highlight presentations
- 10:00 Theme 6 (Communication & Dissemination, WPs 17-19) and related Highlight presentations
- 10:40 (Break)
- 11:10 Impact of the project (Paolo Laj, co-coordinator)
- 11:40 Management of the project (Ari Asmi, project director)
- 11:55 Conclusions (Werner Kutsch, coordinator)
- 12:10 Questions / final comments