



Consiglio Nazionale delle Ricerche
Istituto di Scienza e Tecnologie dell'Informazione "A. Faedo"



The OpenAIRE Project

Open Access Infrastructure for Research in Europe

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CNR - ISTI



GL11 - Library of Congress, Washington, December 14-15 2009



Motivations

- Open Access
 - Free Internet access to research publications as well as the possibility to use them, subject to proper attribution of authorship
 - Far from reality...
- European Commission Open Access Mandate pilot
 - Articles resulting from EU funded research should be Open Access



OpenAIRE

- Networking Infrastructure
 - Disseminating the Open Access Mandate pilot policies and the adoption of OpenAIRE as reference system for publication deposition
- Technical Infrastructure
 - Establishing a European infrastructure for collecting the articles (and research data) resulting from FP7 and European Research Council (ERC) projects in seven selected disciplines
 - Energy, environment, health, cognitive systems / interaction / robotics, e-infrastructures, science in society, and socio-economic sciences / humanities

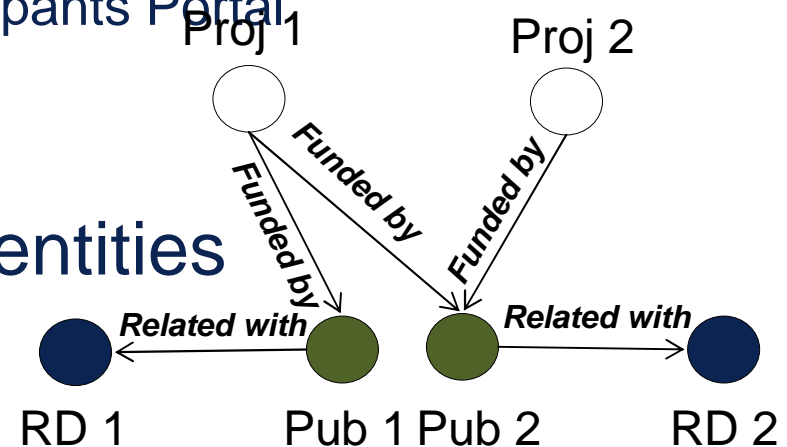


Content

- Metadata record entities
 - Open Access publications
 - Author ingested in the “Orphan Repository”
 - Invenio Repository System (CERN)
 - Harvested from institutional repositories
 - D-Net technology
 - EC projects
 - Harvested from EC Participants Portal
 - Research Data
 - Studies and prototype

- Relationships between entities

- Compound objects



Research Data experimentation

- Explore the requirements, practices, incentives, workflows, data models, and technologies to deposit, access, and otherwise manipulate research datasets
- Produce feasibility studies to show researchers the benefit for depositing
- Work with four (4) scientific communities
 - Health (Life sciences)
 - Environment
 - Information & Communication Science
 - Socio-economic Science and Humanities

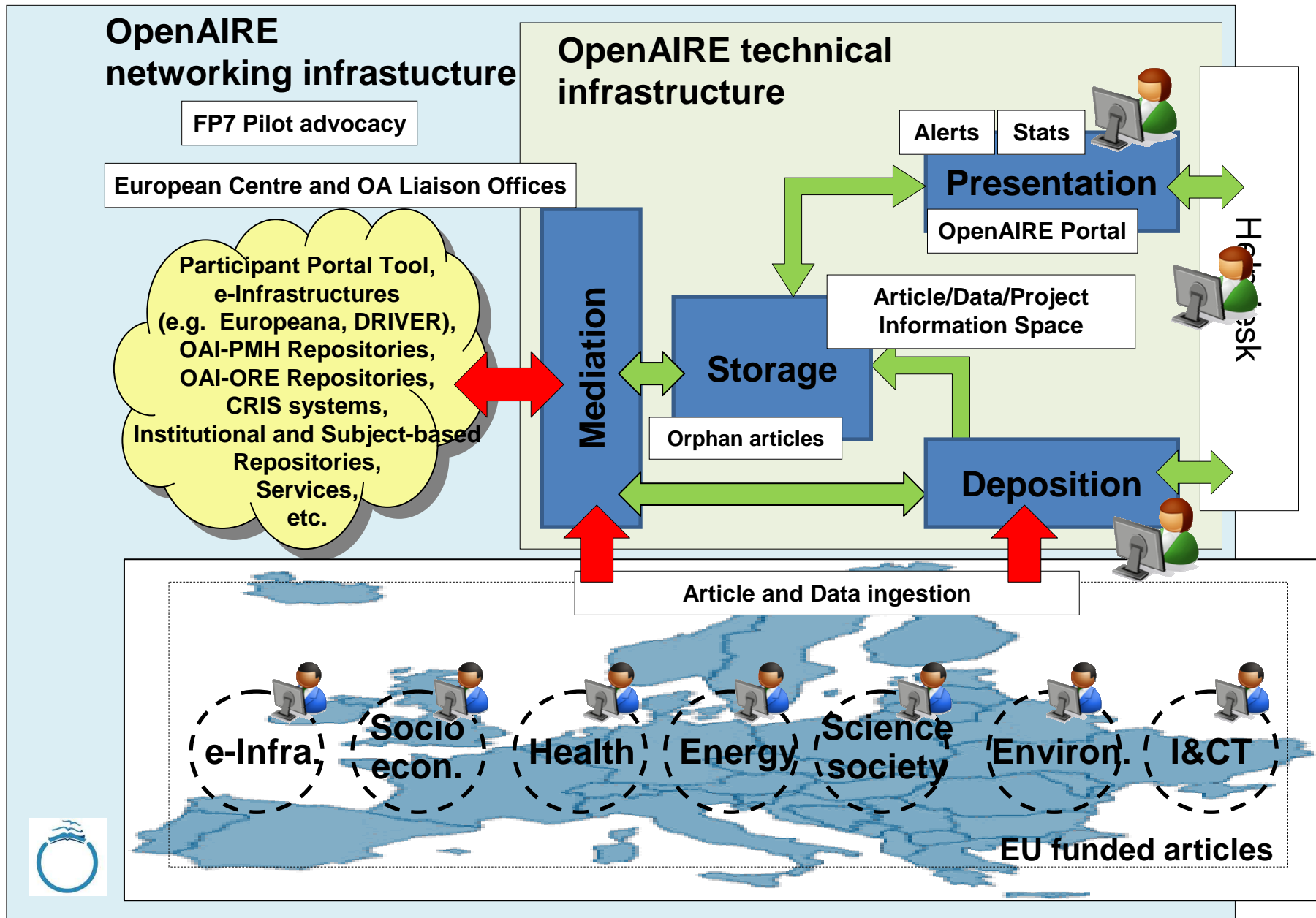


Functionality

- Maintenance of an Information Space of publications, projects and research data
 - By direct ingestion and harvesting
 - Data curation
 - Extraction of statistics
 - E.g., articles per country/year, projects per country/year, stats on system usage
 - Interoperation with other infrastructures
- Web Portal
 - Searching and browsing the Information Space
 - Public access to statistics
 - User registration: alerts and recommendations on Information Space news



OpenAIRE infrastructure



Why Open Access at GL11?

- Similar goals
 - GL: free access to publications over the internet by providing pre-prints of publications with copyright
 - OA: free access to publications over the internet by adopting business models softening or eliminating publication copyright



General info

- Start date: 1st of December 2009
- Duration: 36 months
- Funding: 4,17 Million
- Coordinator
 - University of Athens, Greece
- Scientific coordinator
 - University of Goettingen Library , Germany
- Technical coordinator
 - ISTI, National Research Council, Italy
- + 26 partners covering all European member states

