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The OpenAIRE Infrastructure

A Vision towards e-infrastructure Commons



e-IRG Workshop 24th-25th of November, 2015 – Luxembourg



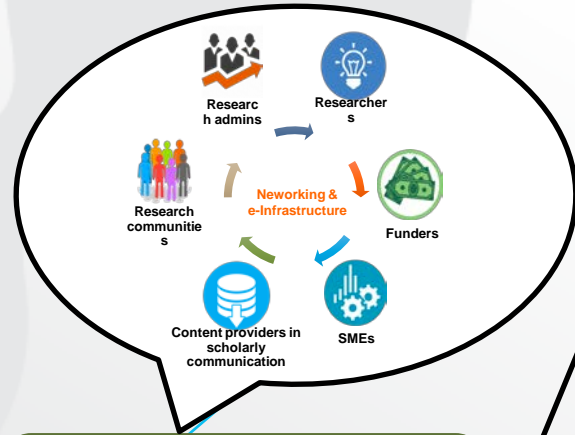


Infrastructure for Open Knowledge

- **Foster and facilitate** the shift of scholarly communication towards making science Open and Reproducible
- **Collaborative and participatory** approach at European and Global level



Linking people, ideas, and technologies



Networking

International alignment

Policies and guidelines

Best practices

Technological liaisons

NOADs (EU), COAR, RDA, CASRAI, SHARE (US), La Referencia (South America)

Open Access and DMPs

Interoperability guidelines for content providers

Data citation, data-literature inrerlinking

Alternative bibliometrics, Repository usage stats

Open Access peer-review

Existing e-infrastructures to re-use their content and services



Commons



End-User Services

Funders, research administrators, research communities



- Research impact
- Research trends
- Open Access trends

Content providers



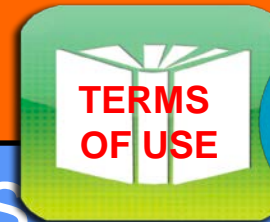
- Repository validation
- Repository notification broker
- Repository analytics and usage stats

Researchers



- Claim publications, datasets, software
- Deposit publications, datasets, software
- Search & browse: interlinked publications, datasets, projects
- Open Access & DMP Helpdesk
- End-User feedback

Info Space Services

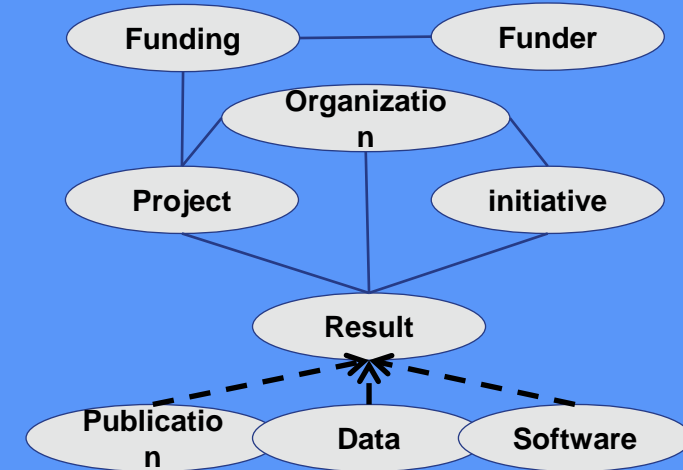


Cleaning

De-duplication

Validation

Enrichment
By inference



GUIDE LINES

Content Providers

Publications
repositories

Research
Data
repositories

CRIS
systems

Registries
(e.g. projects)

OA
Journals

Software
Repositories



Facing Digital Market and Financial issues

Registry of OpenAIRE Services

- Service-oriented and already supports a dynamic registry of “services” for autonomic and optimized use into e-infrastructure workflows
- Will extend the registry to publish “coarser-grain” view of services as a catalogue to different end-user types: general-public, SMEs, developer, etc.

Infrastructure sustainability

Cost evaluation of infrastructure (2015)

OpenAIRE as a legal entity (2016)

Sustainability strategies under development: e.g. supporting SMEs, member states

Procurement: possible, not yet under scrutiny



Thank you

