OpenAIRE/plus Technical Infrastructure

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Past, Present, OpenAIREplus

Publications network
Institutional & Thematic

OpenAIREplus Guidelines for Content Providers

Dataset repositories, CRIS Systems, Registries

OpenAIRE Guidelines v2.0

FP7 publications
National funding publications

EC Project metadata
National Project metadata

Driver Guidelines

OpenAIRE Guidelines v1.0

Publication repositories network
Institutional & Thematic

6,300,000 OA articles
340 validated repositories

OpenAIRE GA, Goettingen, 20 November 2012
Measuring research impact
“European Commission”

**Manual provision:**
Tools to link publication metadata to EC projects

- **“Claim”/Orphan**
- **Pr. coord. Feedback**

**Inference by mining**

**Automated inferred provision:**
EC project references embedded in publication text

**Automated provision:**
Supported by compliance to “Guidelines for Repository Providers”

- **Publication Repositories**, entity registries (OpenDOAR, EC-CORDA)

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OpenAIRE GA, Goettingen, 20 November 2012
**Technical activity performed**

- **e-infrastructures**
  - Development (CNR)
  - Production (ICM)
    - 37 block upgrades
    - 105 package upgrades

  *(number of unscheduled downtimes = 0)*

- Approx. 16 full time developers & designers + 3 infras administrators (2 for production, 1 for development)

- Other numbers: 285 modules, 358,786 lines of java code
Technological adoptions & alliances

- **f2f Training**
  - SIU-Argentina (24-28 Sept. 2012, Pisa)
  - FEYCET (Spain) & CNR (Italy) (10-14 Dec. 2012, Pisa)

- **D-NET other enabled e-Infrastructures**
  - EFG (EFG1914) HOPE, ESPAS, Recolecta (Spain), National Repository Infrastructure (Poland), National Repository Infrastructure (Argentina)

**Remark1:** The majority of these initiatives are contributing to the D-Net open source enrichment

**Remark2:** These initiatives demand for D-Net sustainability
OpenAIRE Production Infra by the end of OpenAIREplus

Enhanced

Research Impact for Communities
Publications Management
Curate & collaborate (end-user feedbacks)
Statistics
Search & Browse
Get support (NOADs)
Deposit/Ingest (claim) Publications & data
Access for Third-party Service Providers

Usage policies

Information Inference by Data Mining
Cleansing & Transforming

Publications
Datasets
Projects

De-duplication
Data Source Validation

OpenAIREplus guidelines

Data Cite Metadata
Dublin Core metadata + options
CERIF metadata

Dataset repositories
Publication repositories: Institutional, Thematic, Data journals, OA journals
Entity Registries (OpenDOAR, EC-CORDA, ORCID, etc.)
CRIS systems
Measuring research impact
“European Commission” use-cases

Repositories, archives, entity registries and CRISs

**Repositories, archives, entity registries and CRISs**

**Manual provision:**
Tools to (i) link publication/dataset metadata to projects (ii) correct/enrich information space

**Publications**

**Datasets**

**Projects**

**Automated provision:**
Supported by compliance to “Guidelines for Content Providers”

**Collection**

Repositories, archives, entity registries and CRISs

**Automated inferred provision:**
Open Framework for data mining:
Project references embedded in publication text, subject classification, data citation, others

**Inference by mining**

Any relationships & entities

**“Claim”/Orphan**

End-user Feedback

Any relationships & entities

**OpenAIRE GA, Goettingen, 20 November 2012**
Measuring research impact: “Research Impact for Communities”

Manual provision:
- applications to (i) link metadata to projects (ii) correct/enrich information space

publication/dataset & XXX

“Claim”

End-user Feedback

Any relationships & entities

Inference by mining

(Semi-)Automated provision:
- facilitated by “mandates” typically issued by funding agencies
  (e.g., XXX reference embedded in publication text)

Automated provision:
- Supported by compliance to “Guidelines for Content Providers”

Repositories, archives, entity registries and CRISs

Collections

Publications

Datasets

Projects

Community Content

OpenAIRE GA, Goettingen, 20 November 2012
Production OpenAIREplus

Releases

BETA production v1.0: December 2012 (M10)
- testing from NOADs and selected users
- Integrating DRIVER infrastructure
- New content management services

Production OpenAIREplus v2.0: February 2013 (M14)
- Advanced de-duplication

Production OpenAIREplus v3.0: August 2013 (M20)
- Data mining open framework
- Enhanced publications visualization and interaction

Production OpenAIREplus v4.0: February 2014 (M26)
- Refinement based on end-user feedbacks
Any other suggestions?