



Open Access
Infrastructure
for Research in Europe

OpenAIRE

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e-infrastructure

Implementing & measuring the FP7 OA pilots

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Outline

- Open Access – initiatives & impact
- OpenAIRE
 - Overview
 - Services
- Impact assessment
 - Open Access pilot
 - Repositories infrastructure
 - FP7 Research publications
- Infrastructure measurements/metrics



Open Access initiatives

- Open Access mandates internationally
 - 27 funder mandates
 - 22 institutional mandates

Source: EC Open Access Pilot publication

- EC Open Access initiatives – Aug 2008
 - FP7 pilot within seven scientific areas
 - ERC OA guidelines



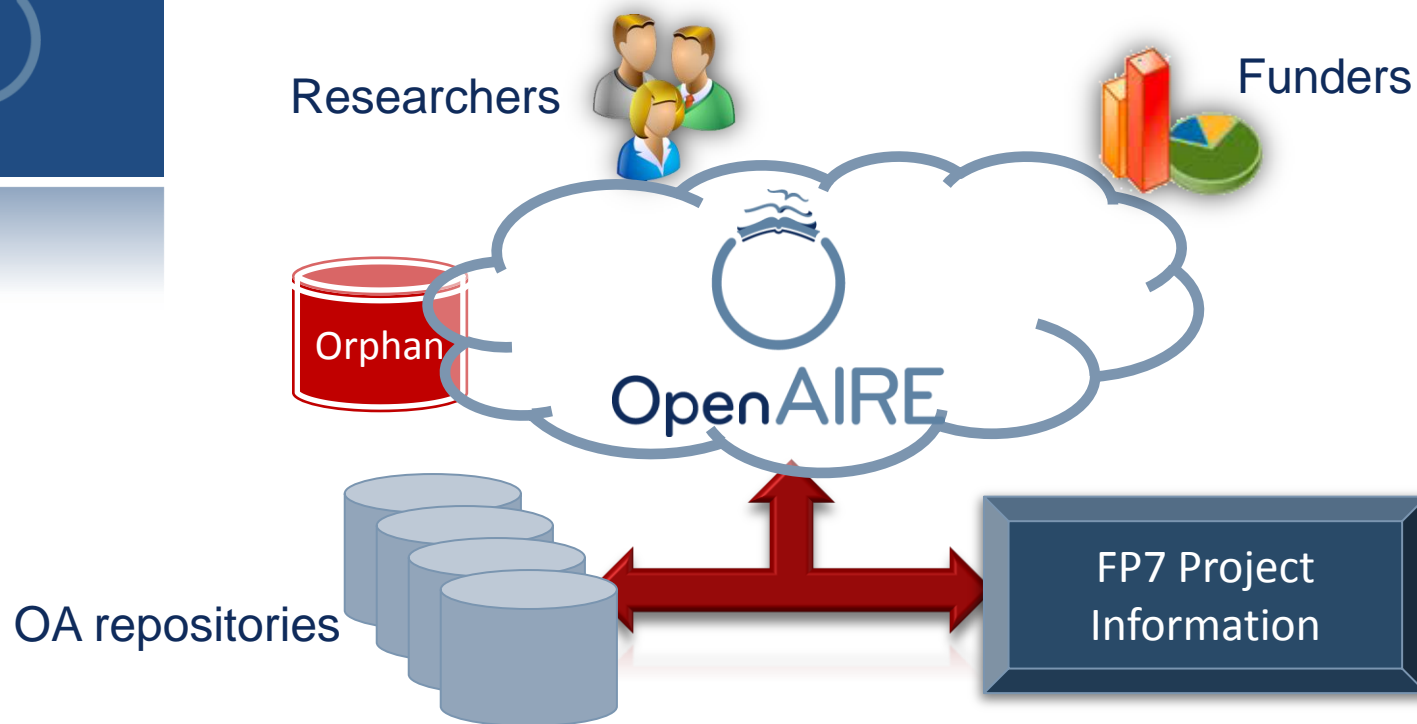
Open Access impact

- **Researchers:** disseminate research results as **widely and effectively** as possible to guarantee **maximum exploitation and impact**.
- **Funders:** observe **increased impact of (the EU's) investment** in research and development and to **avoid wasting time and valuable resources** on duplicative research.
- **SMEs:** benefit from **improved access to the latest research** developments to speed up **commercialisation and innovation**.



OpenAIRE fact sheet

- Started Dec 1, 2009
- Coordination
 - University of Athens
 - Göttingen State and University Library
 - CNR-ISTI
- 5 technical partners
 - Digital libraries, e-Infrastructure experts
- 6 libraries/library ITs
 - Active on OA - European & international level
- 27 national organizations
 - National research infrastructures on scholarly publications
- 5 scientific communities

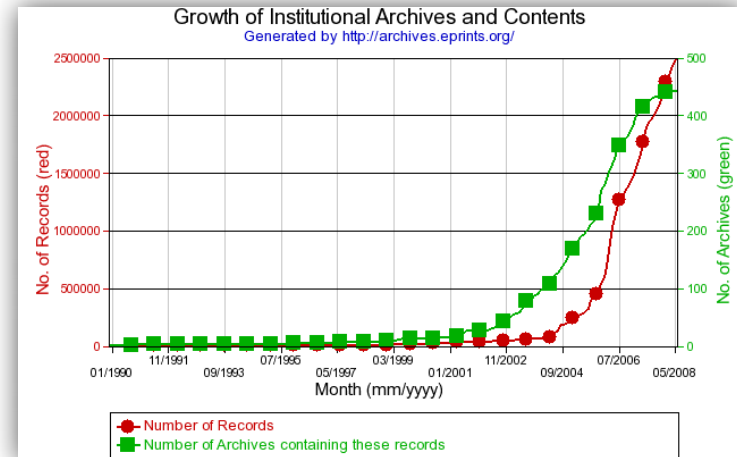


- Links OA repositories with FP7 projects
- Provides repository for “orphan” researchers
- Calculates document statistics on OA deposition



OpenAIRE participatory design

- Building on existing repository infrastructure - DRIVER projects
- Institutional repositories and deposited publications - growing over time



- Cost of maintaining a central repository

- Institutional: 29K – 240K €
- ArXiv: 285K → 355K €

Source: JISC report



OpenAIRE implements the OA pilot

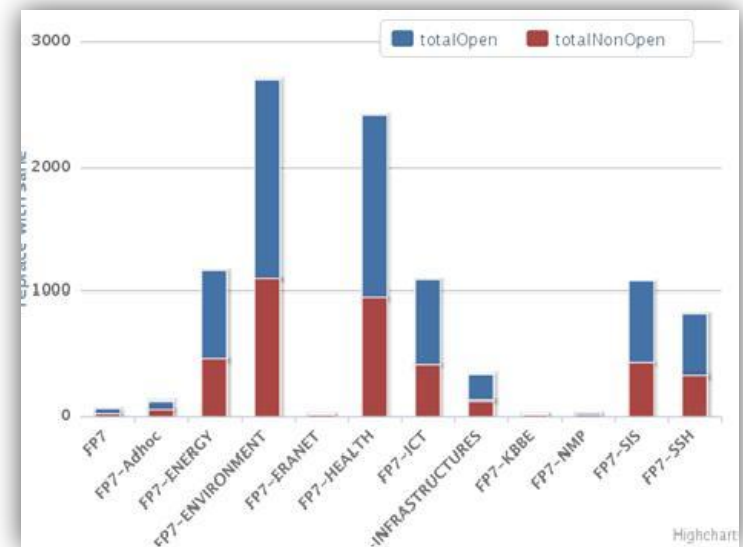
- Services to researchers to
 - Deposit (FP7 funded) publications
 - Refer published (FP7) OA/non-OA publications
 - Access FP7 publications
 - Ask questions: Helpdesk
- Organizational support with toolkits (howto's) to
 - Researchers
 - Institutional managers
 - National Organizations
 - Repository Managers (Guidelines)



OpenAIRE measures the OA pilot

○ Document statistics for OA deposition

- % rate of OA deposition
- Research output of EC funding per
 - FP7 programmes/projects
 - FP7 scientific area
 - Countries/institutions
 - Flavors of Open Access
 -





Repository Managers



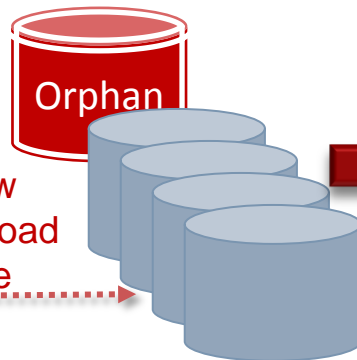
Funders



Researchers



view
download
rate



OA repositories

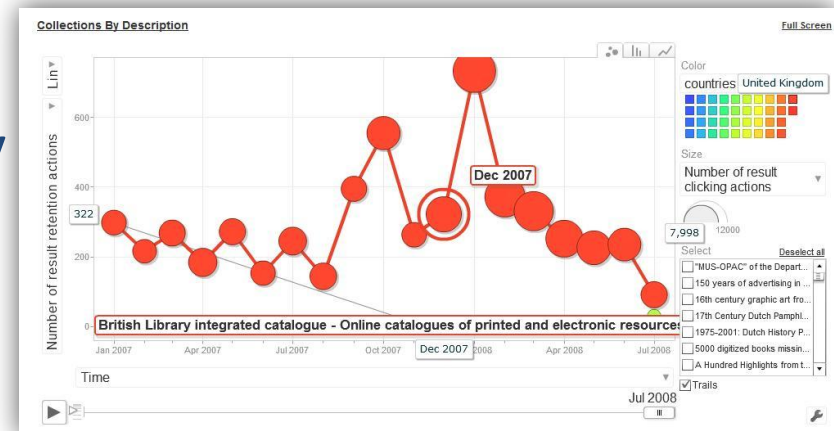


OpenAIRE measures **research impact**:

- Harvests usage data from institutional repositories
- Processes usage data to generate usage statistics

Measuring research impact of FP7 publications

- Usage statistics on FP7 OA publications
- Calculate research impact per
 - Publication
 - Programme/Project
 - Scientific area
 - Institution/Repository
 - Country
 - ...





Impact Measurement - Metrics

- # of national infrastructures on board
- # of repositories that become compliant
 - IRs of large research organizations
 - Thematic vs. Institutional repositories
- # of new repositories
- # of identified (harvested) FP7 publications
- # of depositions in the Orphan (OA & non-OA)
- # of identified FP7 publications
 - non OpenAIRE compliant repositories
 - publishers



Some actual numbers

- 27 National infrastructures
- Compliant repositories
 - 30 (Univ. of Minho Dspace addon)
 - 50-60 by the end of the year
- 125 identified (harvested) FP7 publications
 - HAL independent project started in April 2009
- 0 publications in the “orphan” – *not public yet*
- 0 identified FP7 publications – *not public yet*
 - Projected for OA pilot (20% of FP7) – 15K publications



Research impact - Metrics

- Bibliometrics & webometrics
- Set of usage metrics for publication impact
 - Frequency-based metrics
 - Time-based metrics
 - Trend behaviour metrics
- Metrics calculated wrt.
 - FP7 programmes, projects, scientific areas
 - Repositories, countries, institutions



OpenAIRE status

- OpenAIRE is set to provide production quality 24x7 services
- Helpdesk waiting to reply to your questions @ www.openaire.eu
- Services and infrastructure go public in December
- Important for all project coordinators to attend the OpenAIRE training session