Institutional Repositories: Current State and Future

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- Networked communication
- Principles for the reform of Scholarly Communication
- Research infrastructure in Europe
- EU Open Access Initiative: OpenAIRE
- Institutional Repositories: core functionalities
- COAR: promoting Open Knowledge and Open Science

Networked communication

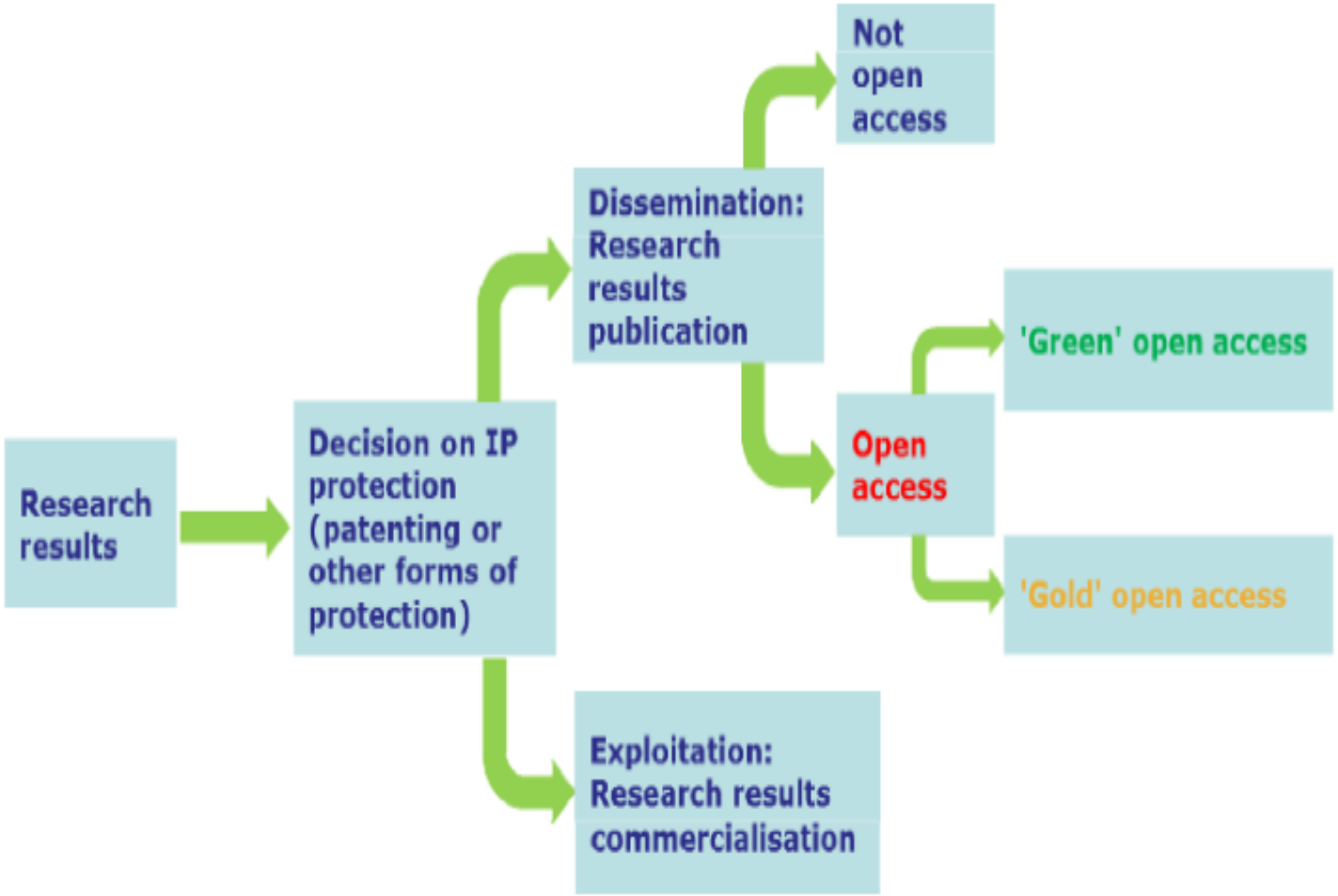
- **The rise and spread of networked communication had a significant impact on the scholarly communication, as well.**

The new models introduced to communication systems, to publications, and to publishing practices shared a common factor: they have become Internet mediated activities.

Principles and Strategies for the Reform of Scholarly Communication

- The broadest possible access to published research and other scholarly writings;
- Increased control by scholars and the academy over the system of scholarly publishing,
- Fair and reasonable prices for scholarly information;
- Competitive markets for scholarly communication
- A diversified publishing industry;
- Open access to scholarship.

OA: the practice of providing on-line access to scientific information that is free of charge to the end-user.

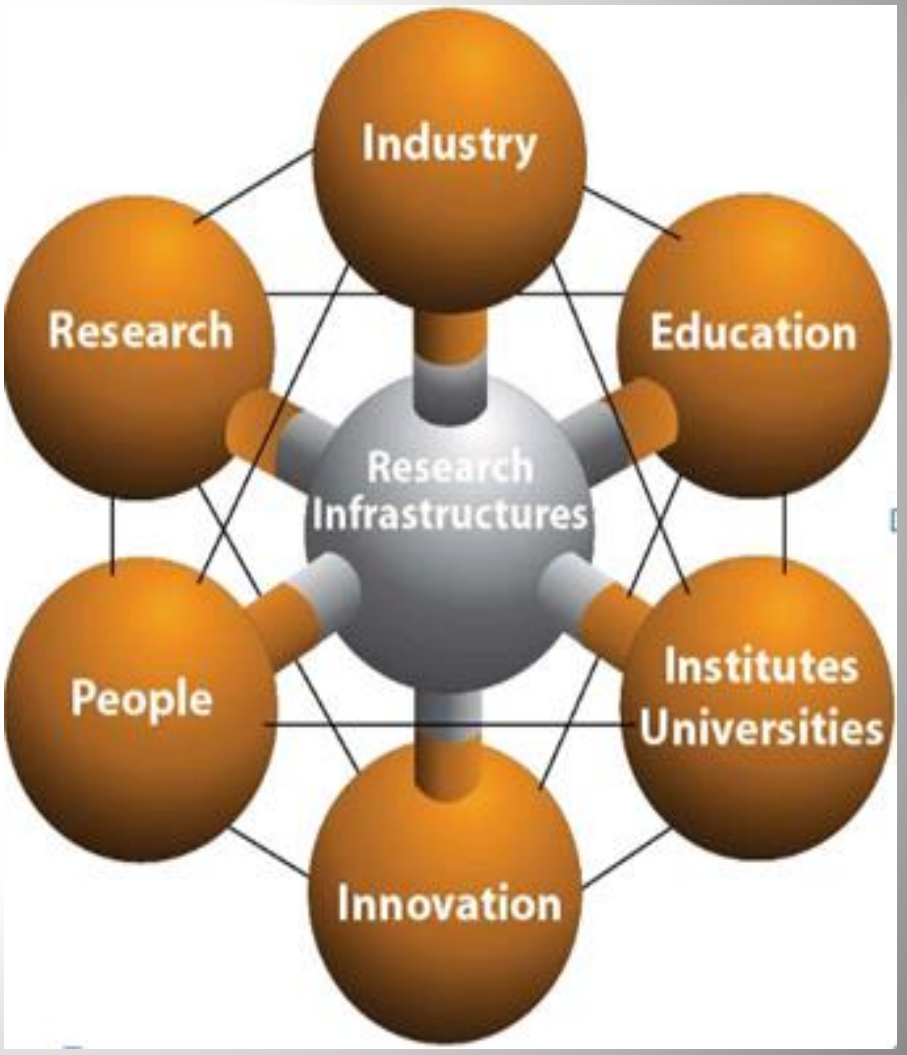


Research infrastructure: definition

- Research infrastructure means facilities, resources, and related services that are used by the scientific community to conduct top-level research in their respective fields and covers major scientific equipment or sets of instruments;
- knowledge-based resources such as collections, archives or structures for scientific information;
- enabling ICT-based infrastructures, or any other entity of a unique nature essential to achieve excellence in research.
- Such infrastructures may be "single-sited" of distributed, that is an organized network of resources

New Vision of Research Infrastructure in Europe

- European Strategy Forum on Research Infrastructures: ESFRI
- Role: to develop the scientific integration of all the partners of society;
- To act as an incubator for RI projects with pan-European interest



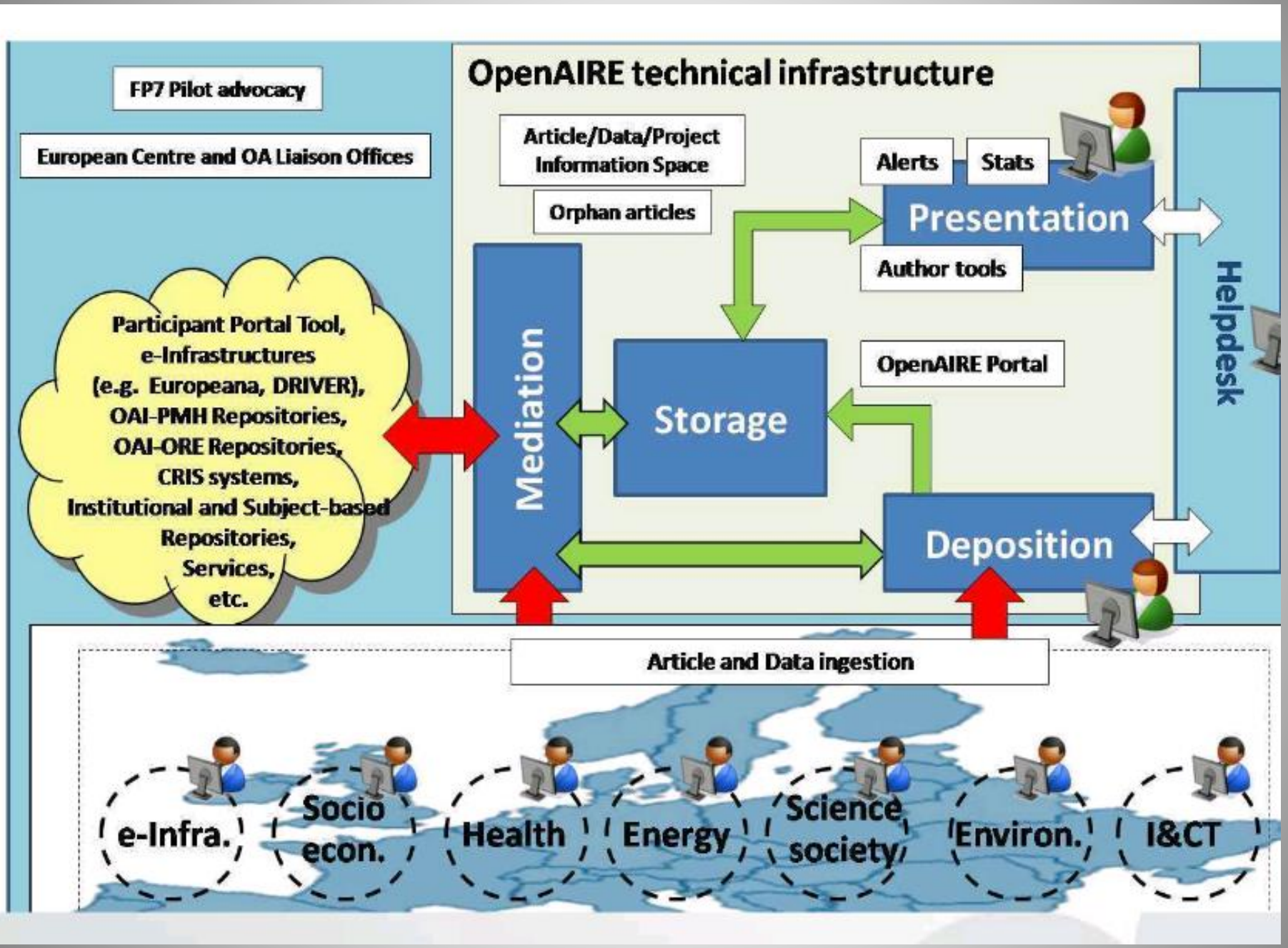
Horizon 2020

- 'Science with and for Society' will be instrumental in addressing the European societal challenges tackled by Horizon 2020, building capacities and developing innovative ways of connecting science to society.
- It allows all societal actors (researchers, citizens, policy makers, business, etc.) to work together during the whole research and innovation process in order to better align both the process and its outcomes with the values, needs and expectations of European society.

EU Open Access Initiative

Why Open Access?

Access to knowledge, information, and data is essential in higher education and research; and more generally, for sustained progress in society. Improved access is the basis for the transfer of knowledge , and knowledge valorisation .


FP7 Pilot advocacy
European Centre and OA Liaison Offices
OpenAIRE technical infrastructure
Article/Data/Project Information Space
Orphan articles
Alerts
Stats
Presentation
Author tools
Helpdesk
Participant Portal Tool, e-Infrastructures (e.g. Europeana, DRIVER), OAI-PMH Repositories, OAI-ORE Repositories, CRIS systems, Institutional and Subject-based Repositories, Services, etc.
Mediation
Storage
OpenAIRE Portal
Deposition
Article and Data ingestion
e-Infra.
Socio econ.
Health
Energy
Science society
Environ.
I&CT

OpenAIRE objectives

- to build support structures for researchers in depositing fp7-funded research publications through the establishment of a European Helpdesk via 27 National Open Access Desks (noads);

- to establish and operate an electronic infrastructure for handling peer-reviewed articles as well as other important forms of publications .

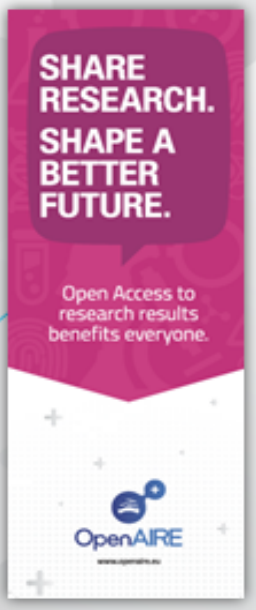
- This is achieved through the Open AIRE portal that is the gateway to all user-level services offered, including access (search and browse) to scientific publications and other value-added functionalities;

- To enchance the repository network by introducing rules for grant reporting in repositories.

Dissemination

Dissemination Materials

- ✓ Monthly newsletter - more than 5000 subscribers!
- ✓ OpenAIRE blog – over 50 posts in 2015!
- ✓ Stakeholder factsheets for researchers, research administrators, data providers/repository managers
- ✓ Thematic factsheets on Open Research Data Pilot, FP7 post-grant pilot
  - Translated into local languages
- ✓ Upcoming briefing papers: RDM, legal issues in Open Data
- ✓ Generic poster
- ✓ Postcards
- ✓ Laptop stickers



Open Access Channels

- Refereed free electronic journals,
- Research-area-specific archive,

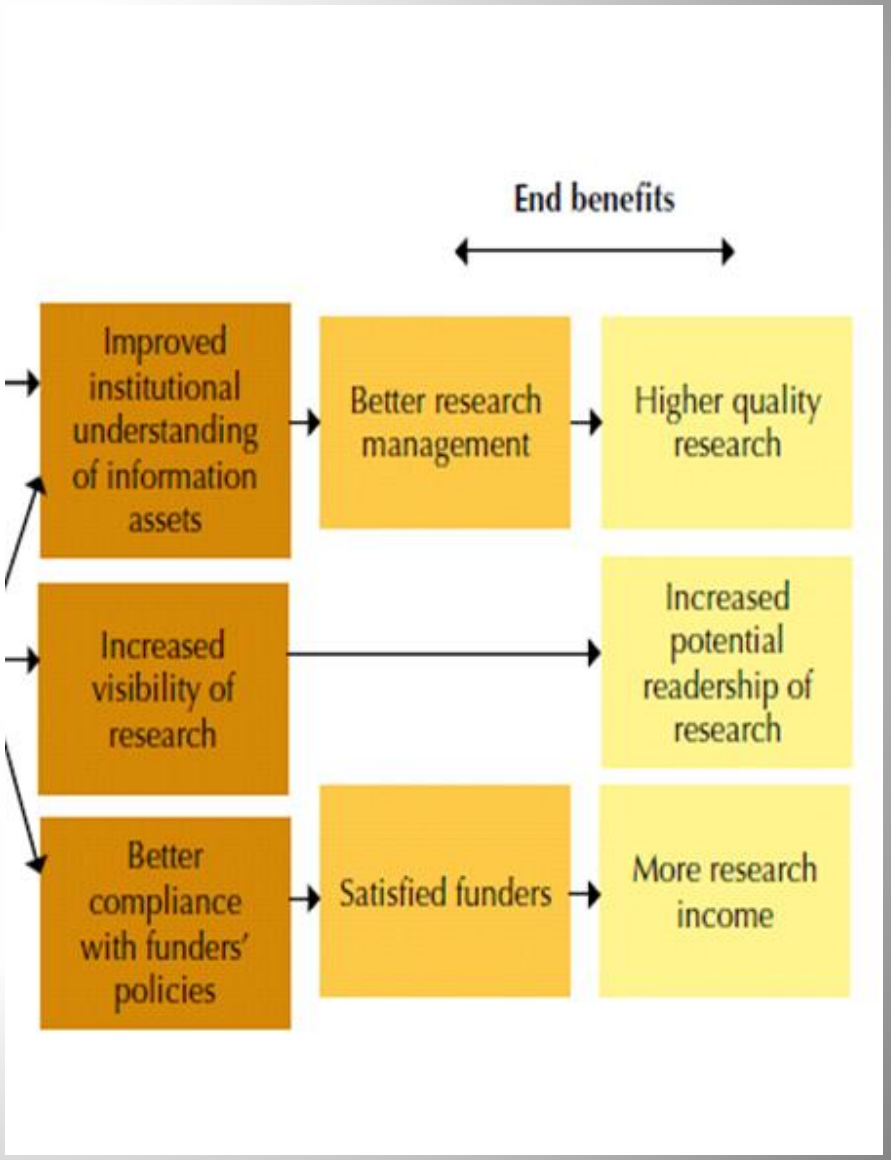
  (e-print) servers,
- Institutional repositories of individual universities/institutions and
- Self-posting/archiving on authors' home pages.

Institutional Repositories

- Institutionally based
- Scholarly material in digital formats
- Cumulative and perpetual
- Open and interoperable
- But not necessarily free!

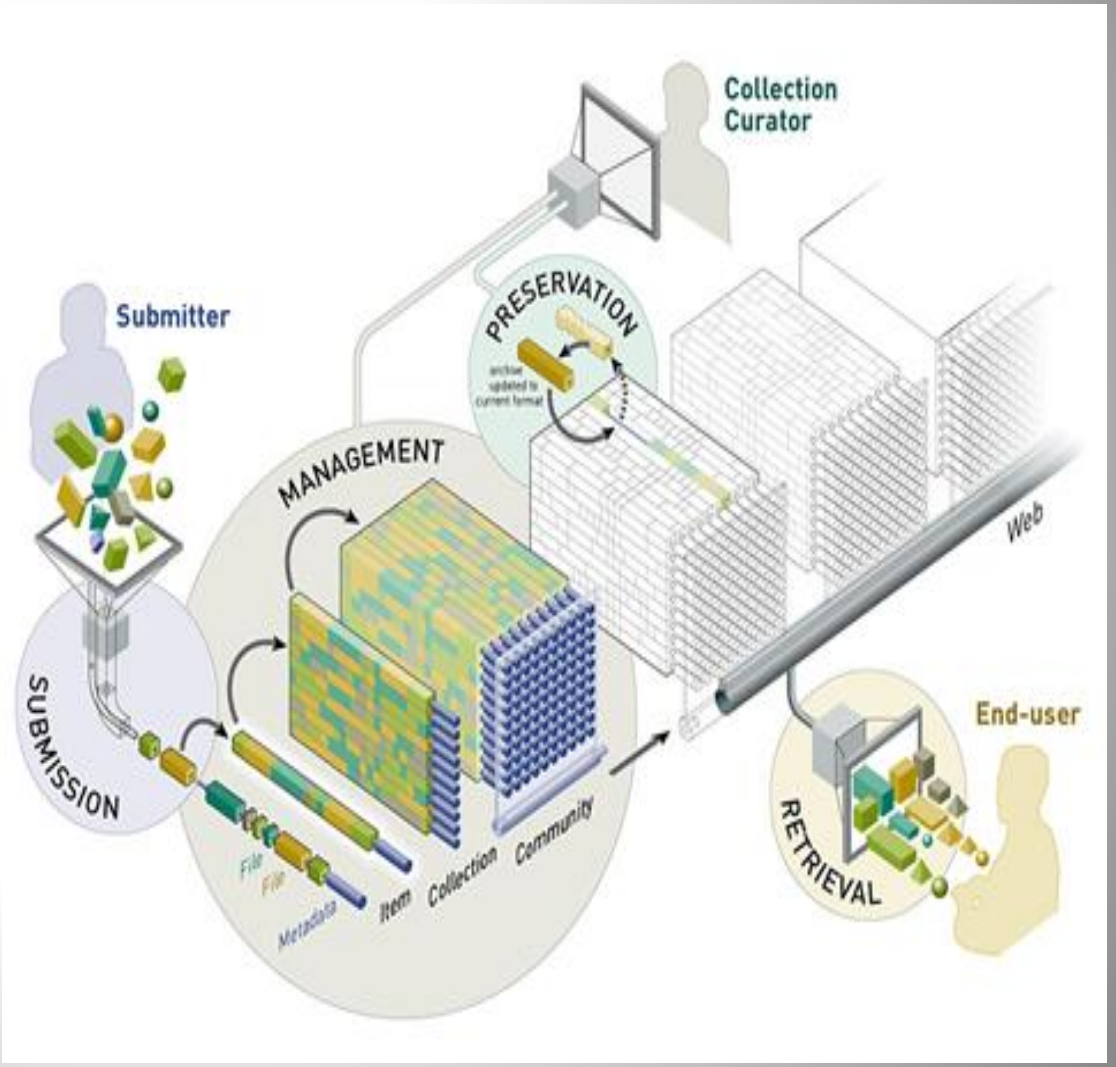
Benefits of a Repository

- Help the public understanding of research activities;
- Increase the visibility and prestige of institution;
- For the researcher:
- Increase the impact of publications;
- Assists research collaboration through facilitating free exchange of scholarly information.



Core Functionality

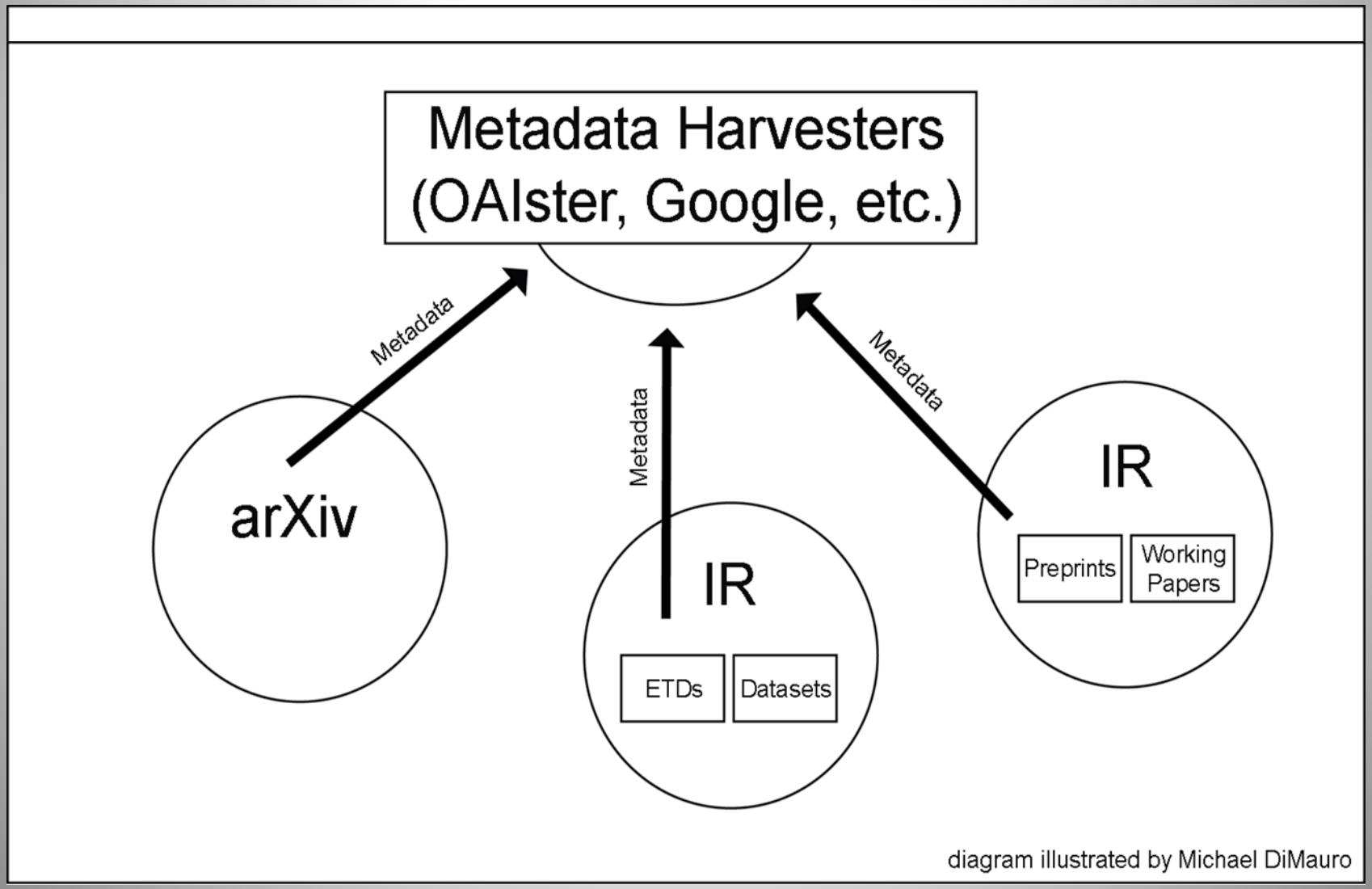
- Material submission
- Metadata application
- Access control
- Discovery support
- Distribution
- Preservation



- COAR is an international association with over 100 members from five continents representing universities, research institutions, and others;
- COAR's mission is to enchance the visibility and application of research outputs through a global network of open access digital repositories

Areas of Interoperability-Related Sevices

Accessing Content in Repositories



Accessing Content in Repositories

Registry of Open Access Repositories (ROAR)

Search

Home Browse Search Content Search Register a Repository Help Login Register in ROARMAP

Please sign the petition in support of the European Commission's proposed Open Access Self-Archiving Mandate

Any Geographic Country | Any System Software | Any Content Type | Sort by Name | Filter

Your query resulted in **850** repositories matching

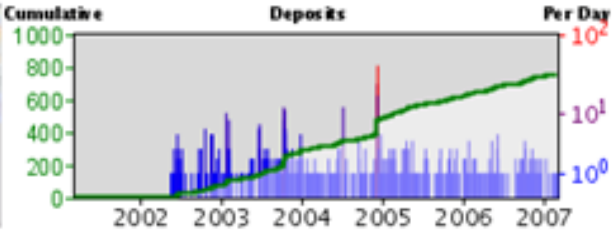
View this result set as a chart:

Export this result set as:
Comma-Separated Format
(other formats)

Analyse the **content** of these repositories (caveats)
Export repository records summary as:
Cumulative Graph
Cumulative Table

View repository contents as:
File Format Graph

@RCHIVESIC (756 records)



Running **HAL**, based in **France** and is registered as **Research Cross-Institutional**
Registered on 2006-03-30
Cumulative deposits: 756 total [table] [graph]
Daily deposits in last year: 81 days of 1-9, 0 days of 10-99, 0 days of 100+ [table] [graph (PNG format)] [interactive graph (requires SVG format support)]
OAI Interface: Identify List Metadata Formats List Sets [harvest status]

Aberdeen University Research Archive: AURA

Not registered in Celestial:

Either the OAI-PMH interface isn't working or it is awaiting action by a ROAR editor

Running DSpace, based in **United Kingdom** and is registered as **Research Institutional or Departmental**
Registered on 2006-01-27
No successful harvest yet.
OAI Interface: Identify List Metadata Formats List Sets [harvest status]

Accessing Content in Repositories

OpenDOAR

Directory of Open Access Repos

Home | Find | Suggest | Tools | FAQ | About | C

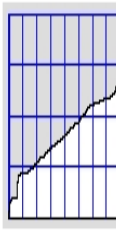
The Directory of Open Access Repositories - *OpenDOAR*

Search for repositories | Search repository contents | List of repositories | Repository Statistics

OpenDOAR over 2600 listi

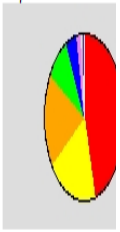
OpenDOAR is an authoritative directory of academic open access repositories. Each *OpenDOAR* repository has been visited by project staff to check the information that is recorded here. This in-depth approach does not rely on automated analysis and gives a quality-controlled list of repositories.

As well as providing a simple repository list, *OpenDOAR* lets you search for repositories or search repository contents. Additionally, we provide tools and support to both repository administrators and service providers in sharing best practice and improving the quality of the repository infrastructure. Further explanation of these features is given in a project document Beyond the list.



Growth of th
OpenDOAR Dat

The current directory lists repositories and allows breakdown and selection by a variety of criteria - see the Find page - which can also be viewed as statistical charts. The underlying database has been designed from the ground up to include in-depth information on each repository that can be used for search, analysis, or underpinning services like text-mining. The *OpenDOAR* service is being developed incrementally, developing the current service as new features are introduced. A list of Upgrades and Additions is available.



Repositories by C

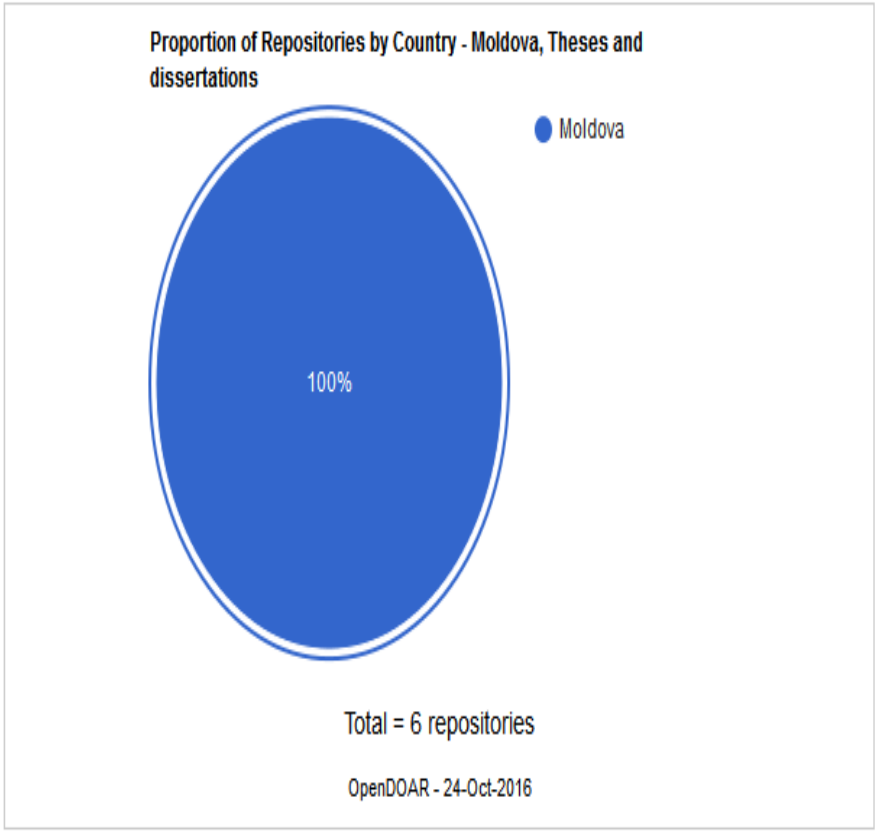
Developments will be of use both to users wishing to find original research papers and for service providers like search engines or alert services which need easy-to-use tools for developing tailored search services to suit specific user communities.

OpenDOAR

Directory of Open Access R

Home | Find | Suggest | Tools | FAQ | About

Proportion of Repositories by Country - Moldova, Theses and dissertations



Accessing Cotent in Repositories

The OAIster® database

Millions of digital resources from thousands of contributors

At a glance

- Available through WorldCat.org at no charge.
- Contains records of digital resources from open-archive collections worldwide.
- More than 30 million records representing digital resources from more than 1,500 contributors.

View complete at a glance ››

OAIster is a union catalog of millions of records representing open access resources that was built by harvesting from open access collections worldwide using the Open Archives Initiative Protocol for Metadata Harvesting (OAI-PMH). Today, OAIster includes more than 30 million records representing digital resources from more than 1,500 contributors.

DART EUROPE

HOME ABOUT DART-EUROPE

Search the portal

Enter terms

Search

Browse List

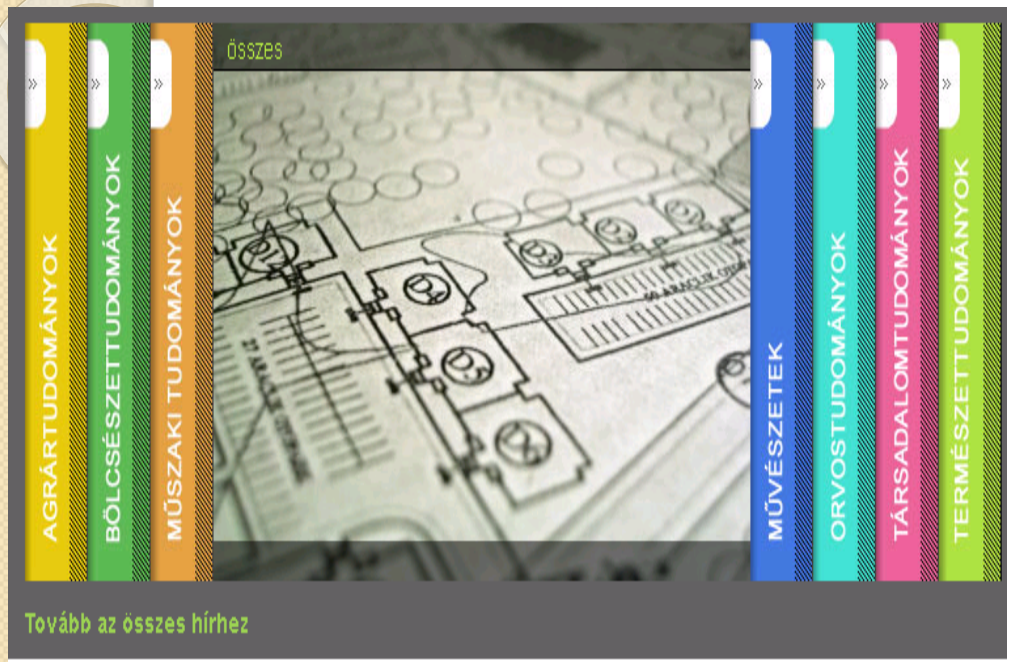
Click on a heading to view related r

Browsing by Country

- Austria (182)
- Belgium (5420)
- Bulgaria (303)
- Croatia (233)
- Cyprus (1593)
- Czech Republic (756)
- Denmark (3739)
- Estonia (8168)
- Finland (12253)
- France (72181)
- Germany (243340)
- Greece (26074)
- Hungary (12867)
- Ireland (7638)
- Italy (28985)
- Latvia (2402)
- Lithuania (2455)
- Netherlands (86998)

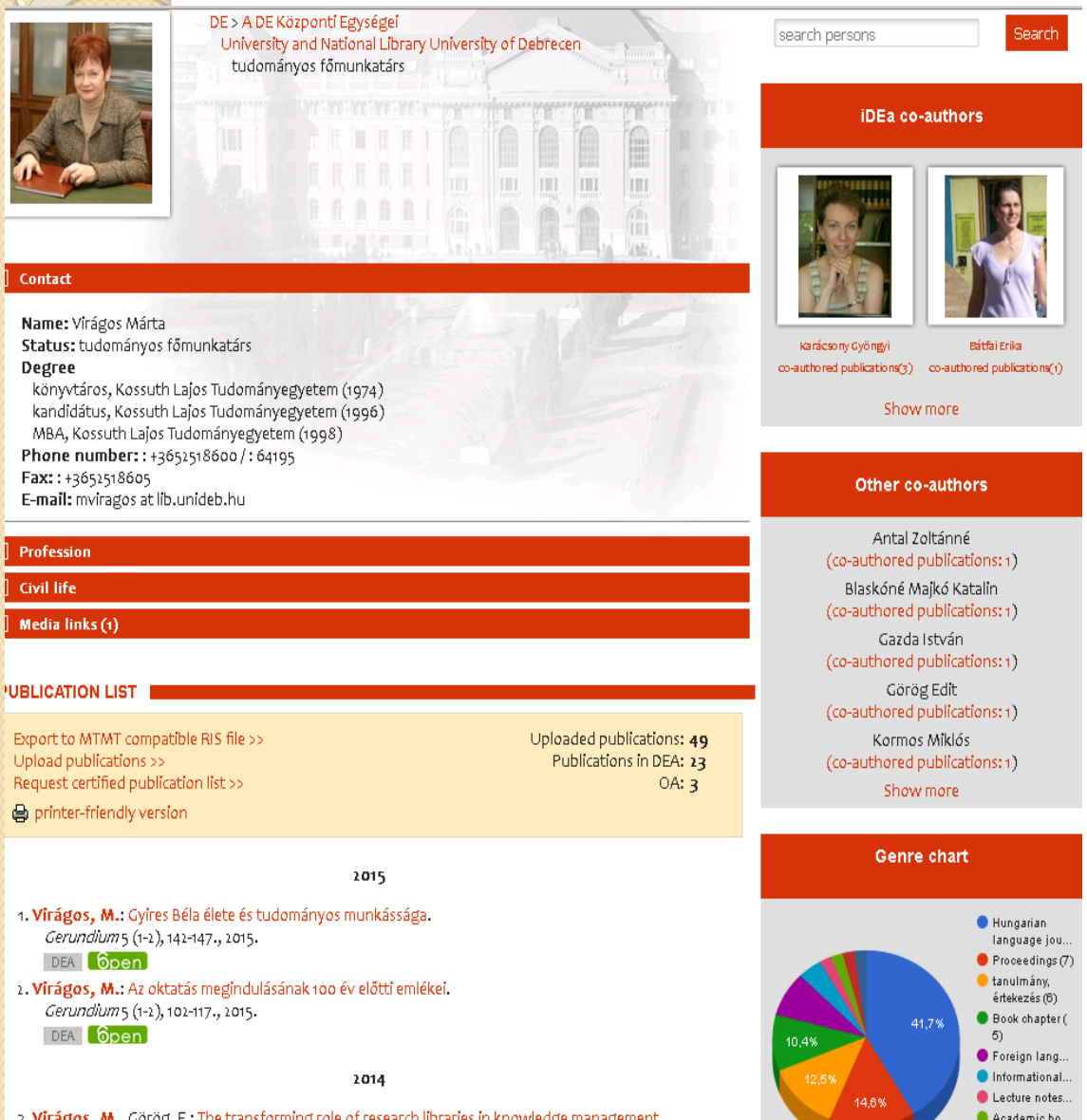
DEBRECENI EGYETEM
TRADÍCIÓ TUDOMÁNY TEHETSÉG TUDÓSTÉR

Science



- The sites offers up to date statistics about the university and their units' academic activities,
- Gives news from the scientific life of the university and Hungary,
- Gives information about the highly ranked articles.

Elements of the researchers' profile



- Personal data: photo, affiliation information with link to the unit profile, contact information,
- Profession: professional achievment, courses taught, supervised theses,
- Civil life: special interest, hobbies
- Media links (radio, TV, Videotorium)