

Donatella Castelli
Consiglio Nazionale delle Ricerche
ISTI

OpenAIRE and the network of the European research repositories



OpenAIRE

OPEN ACCESS INFRASTRUCTURE
FOR RESEARCH IN EUROPE

OA EU Pilot Mandate



FP7 OA Pilot (2008)

- Grant agreement SC39
- 20% programme areas
- Deposit in Repositories
- OA after embargo period (6-12 months)
- Gold payments during project

“Widest possible dissemination and access to research outputs through the creation and operation of an Open Access Infrastructure for Research in Europe”

2009
—
2012



**Infrastructure for facilitating the deposition,
identification, access, and monitoring of FP7
and ERC funded articles, and compliance to
OA mandates**

Point of reference for Open Access in Europe

OpenAIREPlus

Open Access Infrastructure for Research in Europe

2011
—
2014



Infrastructure for the identification, deposition, access, linking and monitoring of FP7, ERC, and other organizations funded outcomes and resources

Infrastructure



“Human Network”



“e-Infrastructure”

Participatory Approach

What is OpenAIRE today

1 SUPPORT

Helpdesk. Engaging people and scientific repositories in 27 EU member states and beyond

2 PORTAL

24 x 7 Service. Access to Research records. Linking publications to datasets, author information and above all, funding information

3 ZENODO

Repository for data and articles that can be stored neither in institutional nor in subject-based/thematic repositories

Supporting OA in Europe

OpenAIREplus Networking Organization

Operational
Support
(eIFL)

Strategic Coordination
(UGOE)

Helpdesk
Management
(UMINHO)

Region 1 North (DTU)	Region 2 South (UMINHO)	Region 3 East (eIFL)	Region 4 West (UGENT)
Denmark	Cyprus	Bulgaria	Austria
Finland	Greece	Croatia	Belgium
Iceland	Italy	Czech Republic	France
Norway	Malta	Estonia	Germany
Sweden	Portugal	Hungary	Ireland
	Spain	Latvia	Luxemburg
	Turkey	Lithuania	Netherlands
		Poland	Switzerland
		Romania	UK
		Slovakia	
		Slovenia	

OpenAIRE representing all Member States

- **32 National Open Access Desks**
 - Involving research libraries, and diverse national research organizations
- **OA advocacy through targeted activities**
 - Liaison with National Reference Points
 - Helpdesk, workshops, training
- **Harmonisation of OA policies**
- **Definition of shared guidelines**



Deposit
Publications
& data



Visualize - Manage
Enhanced Publications



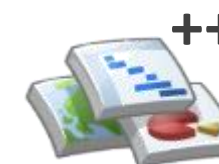
Search & Browse



Curate & collaborate

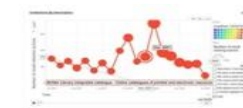


Linked Content
Statistics



Research impact
Citations, usage statistics

+++



Guidelines for use services



Mine for other info

Mine for project

Datasets

Authors

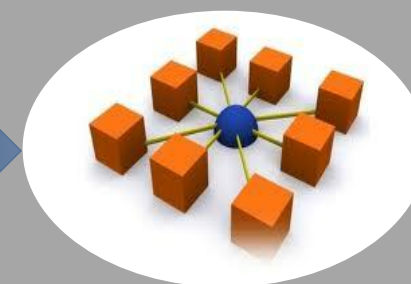
Publications

Data Providers

Projects

Organizations

APIs



Guidelines for data interoperability

Metadata
And pdfs

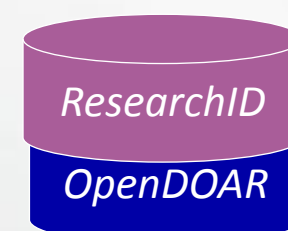
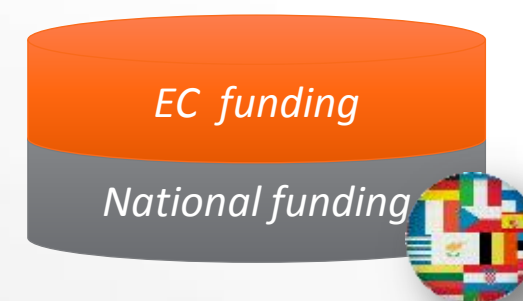
Usage data



Publication repositories
Institutional & Thematic
Open Access Journals



CERN/OpenAIRE "catch-all" repository



Metadata
on data



Data repositories
Data Journals


Datasets

Datasets include:


- Digital collection belonging to museum, libraries and archives;
- 3D models, and replicas;
- resources;
- Scientific data produced through chemical, physical, and sectorial analyses; and
- and documents produced during archeological and conservation restoration activities



OpenAIRE Services



OpenAIRE



PARTICIPATE
DEPOSIT, JOIN

SEARCH
PUBLICATIONS, DATA, PROJECTS

STATISTICS
OA, PROJECTS, TOPICS

SUPPORT
FAQ, HELPDESK, GUIDES


OPEN ACCESS
IN EUROPE

Newsletters

LOG IN | REGISTER


Repositories

More search options




Researchers

- > Deposit publications & data
- > Link research to funder/project
- > Download author's guide for OA




Data Providers

- > Register & validate content
- > Get guidelines for interoperability
- > Enrich repository content



Research Managers

- > Learn about EC & national policies
- > Create project reports
- > Get statistical information

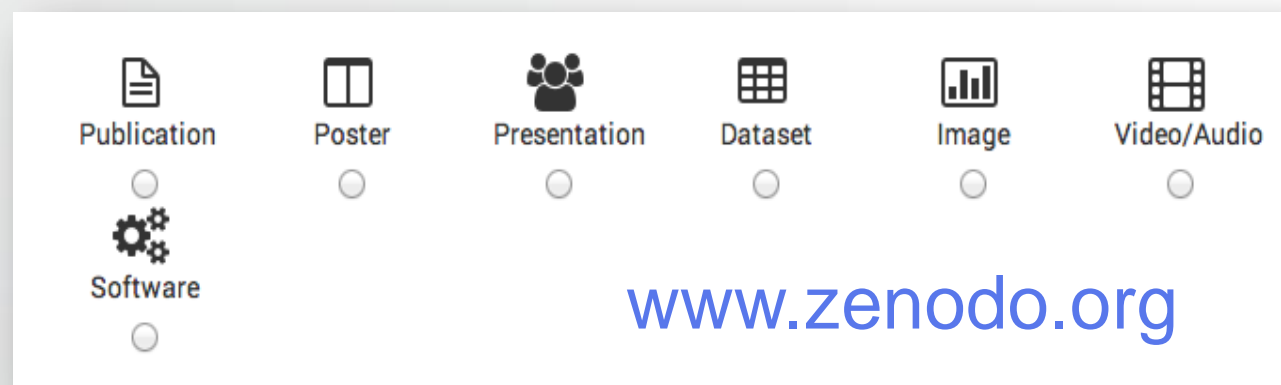


Funding Agencies

- > Learn how to embrace OA
- > Participate in OpenAIRE
- > Find aggregated statistics



- Multiple data types
 - Publications
 - Long tail of research data
- Citable data (DOI)
- Links to funding, pubs, data, software



Some numbers (November 2014)

OpenAIRE

EMBL-EBI 



OpenDOAR



Horizon2020: EC OA Mandate Progressions

“Open access can be defined as the practice of providing on-line access to scientific information that is free of charge to the end-user and that is re-usable. In the context of research and innovation, 'scientific information' can refer to

- (i) **peer-reviewed scientific research articles**
(published in scholarly journals) or
- (ii) **research data** (data underlying publications, curated data and/or raw data)”



OpenAIRE2020



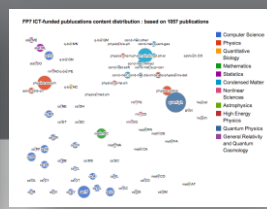
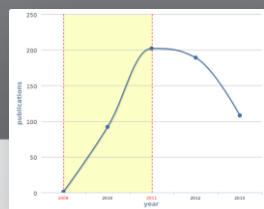
- **Build a pan-European Research Information Management System**
 - Monitor OA research outcomes from the EC and other national funders
- **Support institutions, PO's, PC's in their RDM activities**
 - Promote good practices through DMP tools and educate NOAD's on Gold OA
- **Measuring impact**
 - Multidimensional indicators of scholarly performance based on data retrieved by the OpenAIRE platform
 - Indicators for second level impact that link OA to social, cultural and economic impact

D-Net enabling system



The basic enabling system

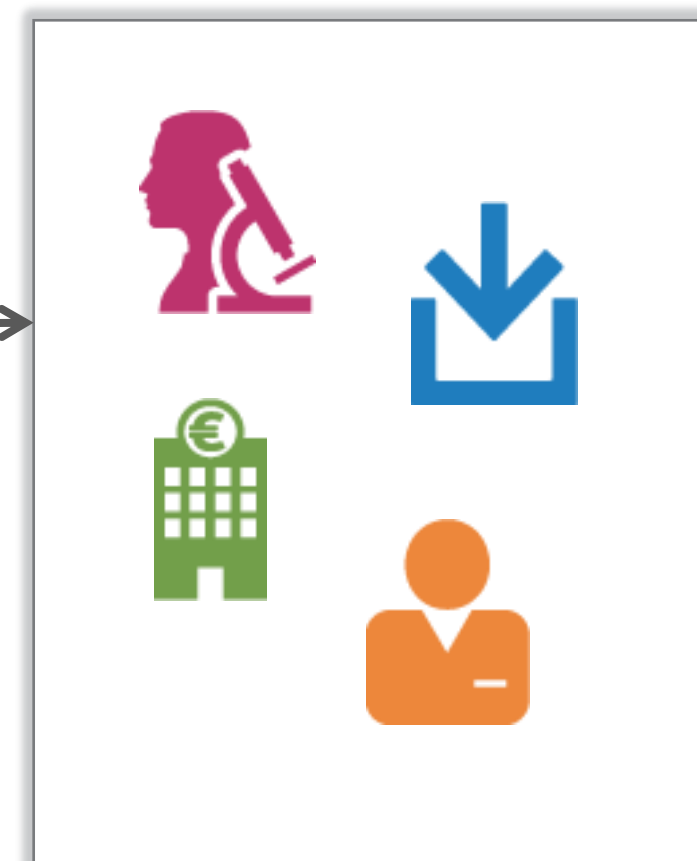
Data curation, enrichment, mining, statistics, trends,



Specialised sw tools



The infrastructure



Community specialised services

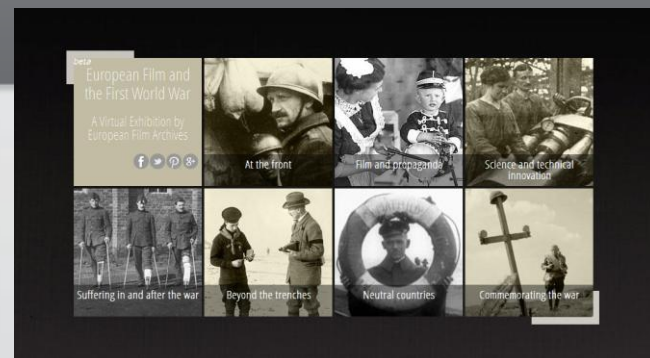
Other D-Net enabled infrastructures:



EFG



- Virtual Exhibition Application
- Authority Files Management and Metadata Editor



European Film Gateway

<http://www.europeanfilmgateway.eu/>

- 33 contributing archives from 22 countries
- 1 M of digitized items
- 750 hours of film on the theme of World War I

DIF – Deutsches Film Institute, Germany



Cinematographic heritage researchers, educators and interested public



Other D-Net enabled infrastructures:



- Provisioning to social sites based on content type and target audience
- Data Curation: Vocabulary & Mapping Rules Editor

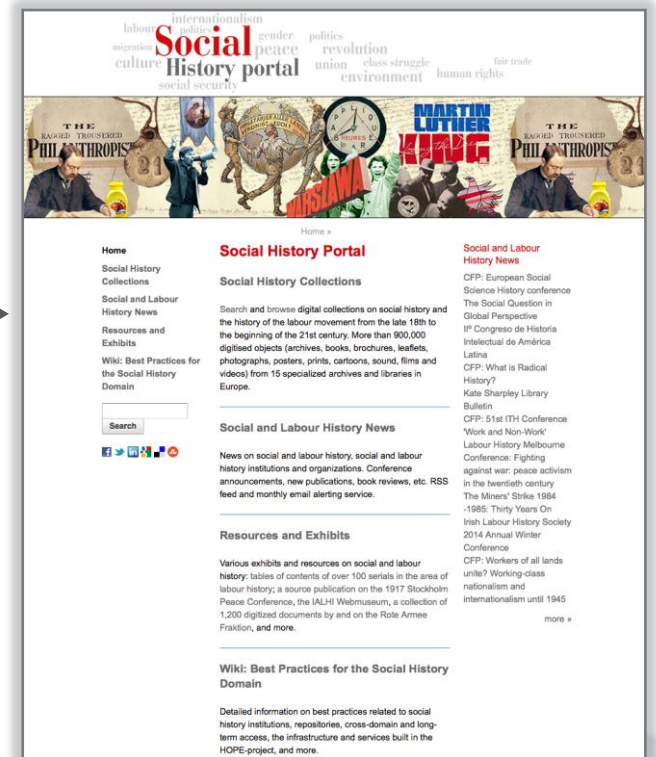


HOPE – Heritage of Peoples' Europe

<http://www.peoplesheritage.eu> &
<http://www.socialhistoryportal.org>

- 15 contributing archives from 15 countries
- 3 M of digitized items

IISG – International Institute of Social History,
Netherlands



Social history and
people's movements
history researchers
and educators

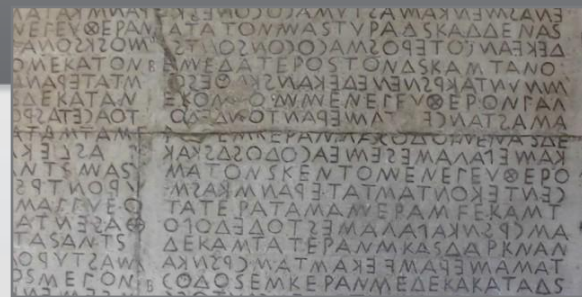


Other D-Net enabled infrastructures:

EAGLE



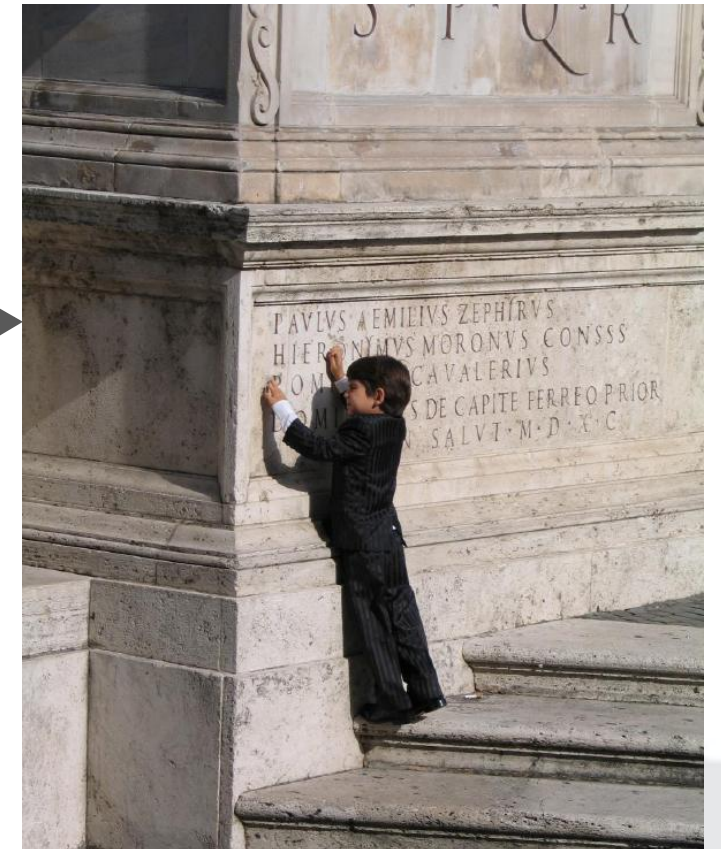
- Image Recognition & Mobile Application
- Storytelling Application
- Data Curation: Vocabulary & Metadata Inspector



EAGLE – Europeana Network of Ancient Greek and Latin Epigraphy

<http://www.eagle-network.eu>

- 16 contributing from 11 countries
- 80% of of the total amount of inscriptions in the Mediterranean area
- 1.5 M of images and related metadata



Ancient history researchers and educators



Thank you!

 www.openaire.eu

 @openaire_eu

 facebook.com/groups/openaire

 linkedin.com/groups/OpenAIRE-3893548

 donatella.castelli@isti.cnr.it