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Jisc

# OpenAIRE: National Outreach

# The 'National Outreach' Task

## Doing the Outreach for EOSC

Researchers, Service onboarding, Understanding the portal, Products, model legal documents,

## Key Alliances

Who to align with at national level – important libraries, Infrastructures, ministries

## Monitoring

OpenAIRE Monitor – to help increase the number of researchers involved



# OpenAIRE NOADs and EOSC

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## Participated in white papers and consultations writing

- EOSC, PlanS, ORE

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## Participated in scholarly communication initiatives

- PlanS, OA2020, OpenAPC

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## Showcased well established connections

- **23** lead / sit in national OS Working Groups
- **12** are national representatives in EOSC Working Groups
- **15** participate INFRAEOSC-5b projects

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## Started convergence of open science efforts at national level

- **8** NOADs are RDA nodes (same organization)
- Collaboration with NRENs
- New countries (Balkans - almost all, Armenia, Georgia, Belarus)

Through a series of internal consultations and webinars





# The OpenAIRE Research Graph

*Bringing scholarly communication back into the hands of scientists*

# Materializing the Open Science Graph



**MONITOR**



**CONNECT**



**EXPLORE**

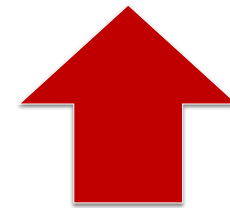
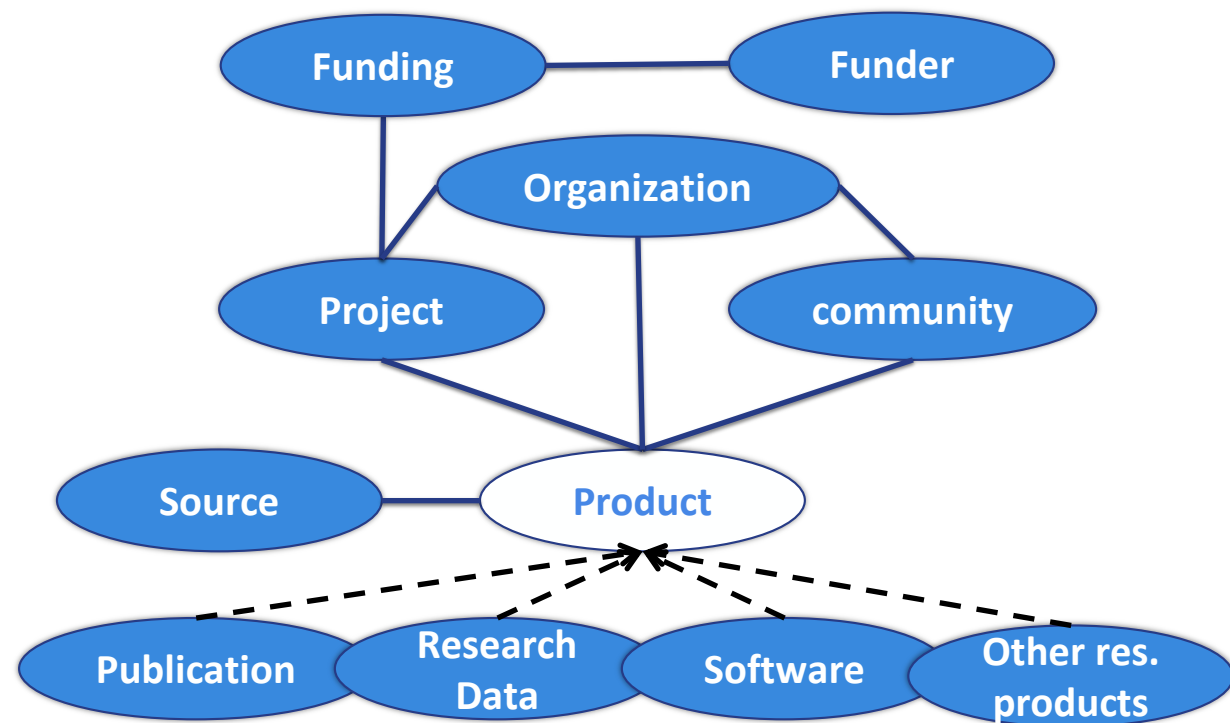


**DEVELOP**



**EUROPEAN OPEN SCIENCE CLOUD**

Scientific product catalogue



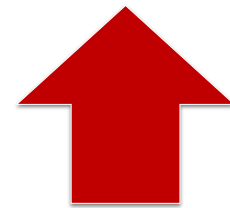
End-user feedback



Mining



Deduplication



**PROVIDE**

Harvesting



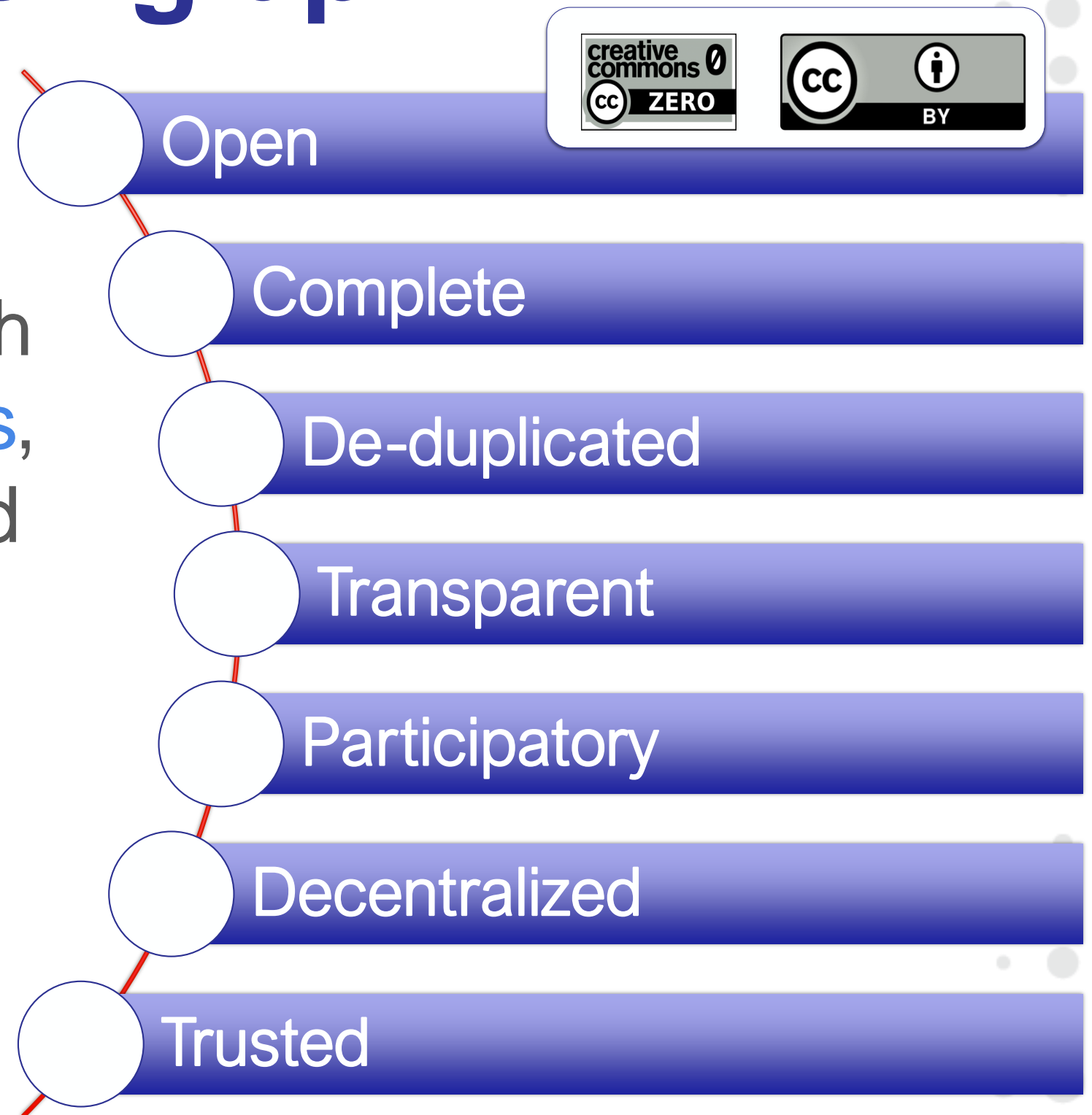
Research Infrastructures Publishing



# The OpenAIRE research graph



Providing an **open metadata** research graph of interlinked **scientific products**, with **Open Access** information, linked to **funding information** and **research communities**



# De-duplicated

**Metadata records**  
corresponding to equivalent  
objects are **merged**

Scientific products  
Organizations



More information about the de-duplication framework used by OpenAIRE can be found searching on Zenodo for :

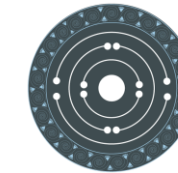
- [“De-duplicating the OpenAIRE Scholarly Communication Big Graph”](#) (poster)
- [“GDup: De-Duplication of Scholarly Communication Big Graphs”](#)



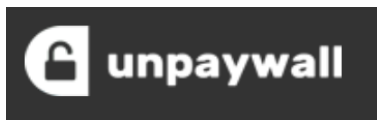
# Complete: community-trusted sources



... and more



PARTHENOS  
Pooling Activities, Resources and Tools  
for Heritage E-research Networking,  
Optimization and Synergies



... and more



OpenDOAR



... and more



... and more



... and more

# Participatory

- Rely on quality scholarly communication sources of different kinds
- Include **solutions and content** from any interested and **known** content provider in scholarly communication

Institutional repositories  
Aggregators  
Data archives  
Software repositories  
Research infrastructure sources  
Funder grant databases  
Authors & Orgs entity registries  
Publishers & journals



# Transparent

- Metadata in the graph includes **provenance** when harvested and **reliability indicators** when obtained from mining



# Decentralized

- **Preservation** and **ownership** beyond OpenAIRE
  - **Exchanged** with other graph initiatives
  - **Broker Service**: Redistributed via subscription and notification to contributing data sources (provide.openaire.eu)
- Openly accessible via APIs ([develop.openaire.eu](http://develop.openaire.eu))

 ResearchGraph



 OpenCitations



# Trusted

- Authors in the loop to enrich their ORCID record
- Validation of end-user "claims"

ORCID

Connecting Research  
and Researchers

# OpenAIRE Guides: <https://www.openaire.eu/guides>



SERVICES

SUPPORT

OPEN SCIENCE IN EUROPE

ABOUT



SIGN IN

How to make your data FAIR

How to find a trustworthy repository for your data

How to create a Data Management Plan for H2020 projects

Data formats for preservation

How do I know if my research data is protected

How do I license my research data

Can I reuse someone else's research data

How to deal with non-digital data

How to deal with sensitive data

Raw data, backup and versioning

How can identifiers improve the dissemination of your research outputs?

# Thank you!

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