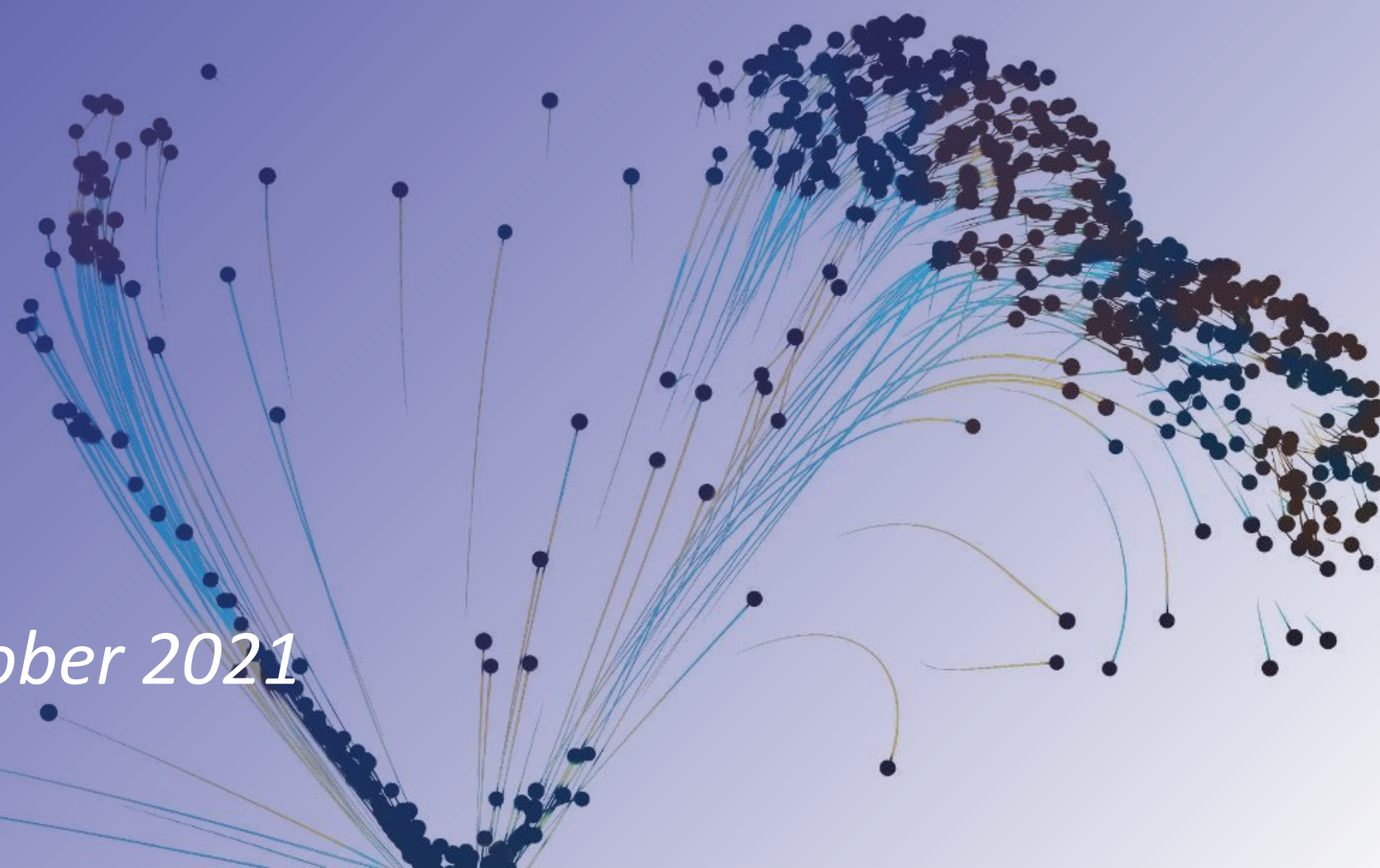


# The Open Scholarly Communication Research Graph in the EOSC

Alessia Bardi, Andrea Mannocci  
ISTI-CNR, Italy

*“Open Science Days in Greece” 21<sup>st</sup> October 2021*



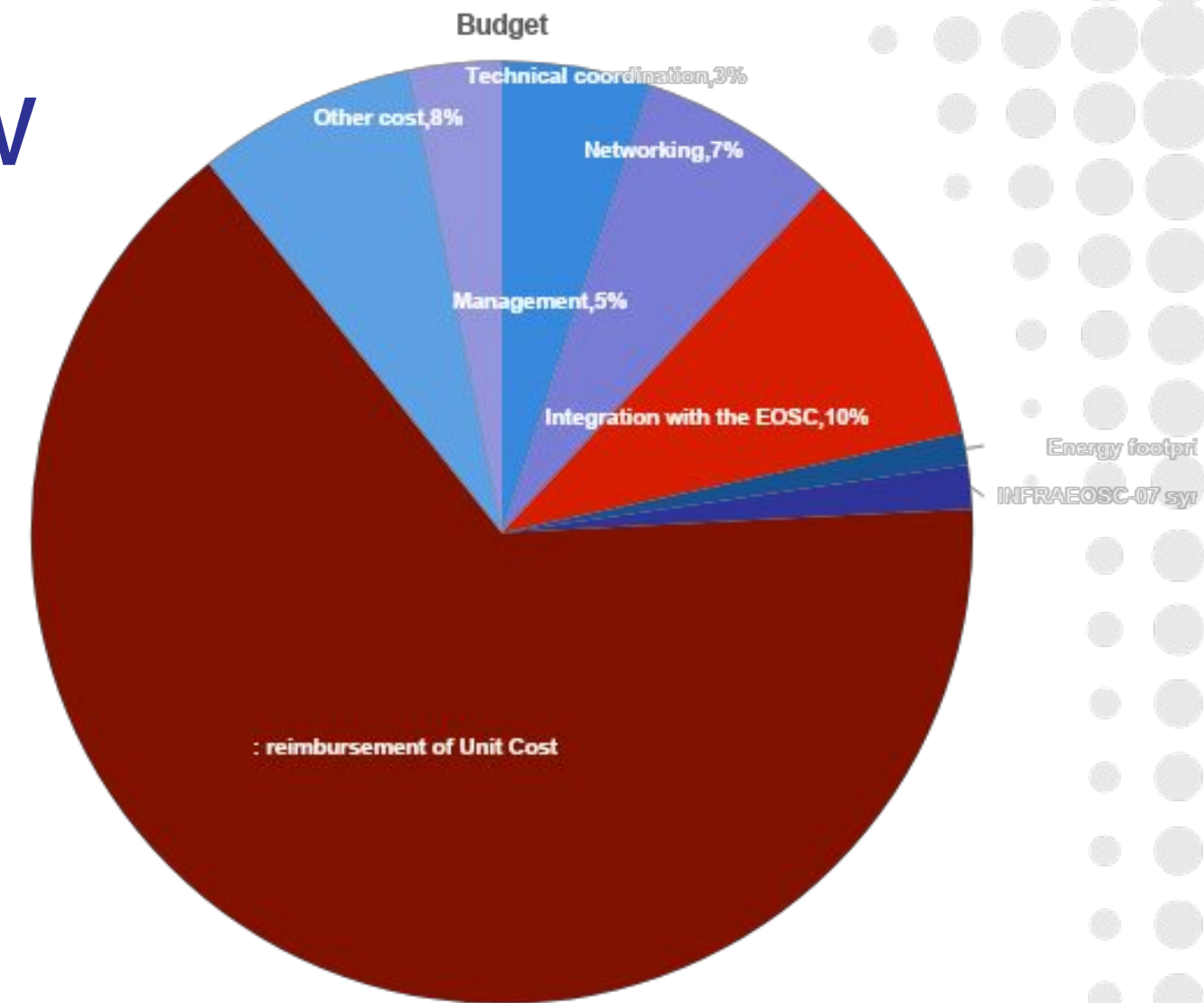
# OpenAIRE AMKE

- Non-profit legal entity
- Est. 2018 to ensure a permanent presence and structure for a European-wide national policy and open scholarly communication infrastructure.
- **Mission:** establish, maintain and operate an open and sustainable scholarly communication infrastructure and provide the necessary services, resources and network for supporting a common European open e-research and e-science environment.
- <https://www.openaire.eu/openaire-amke>



# OpenAIRE NEXUS - Overview

- **Call:** H2020-INFRAEOSC-2020-2
- **Scheme:** RIA
- **Topic:** INFRAEOSC-07-2020  
Increasing the service offer of the EOSC Portal
- **Duration:** 30M
- **Budget:** €3,999,923
- **Coordinator:** OpenAIRE AMKE
- **11 Partners:** CNR, ARC, ICM, UNIBI, CNRS, CERN, UNIBO, CITE, UGOE, UMINHO, GRNET/ARC





# Project objectives



**OBJECTIVE 1.** Publishing in support of research-life cycle: DMPs, data anonymization, catch-all repository, overlay open access journals



**OBJECTIVE 2.** Tracking and monitoring the evolution and impact of (Open) Science across disciplines, for institutions, funders, RIs, clusters



**OBJECTIVE 3.** Supporting cross-discipline discovery of EOSC resources for research communities, ministries, funders, and any other relevant stakeholder/user

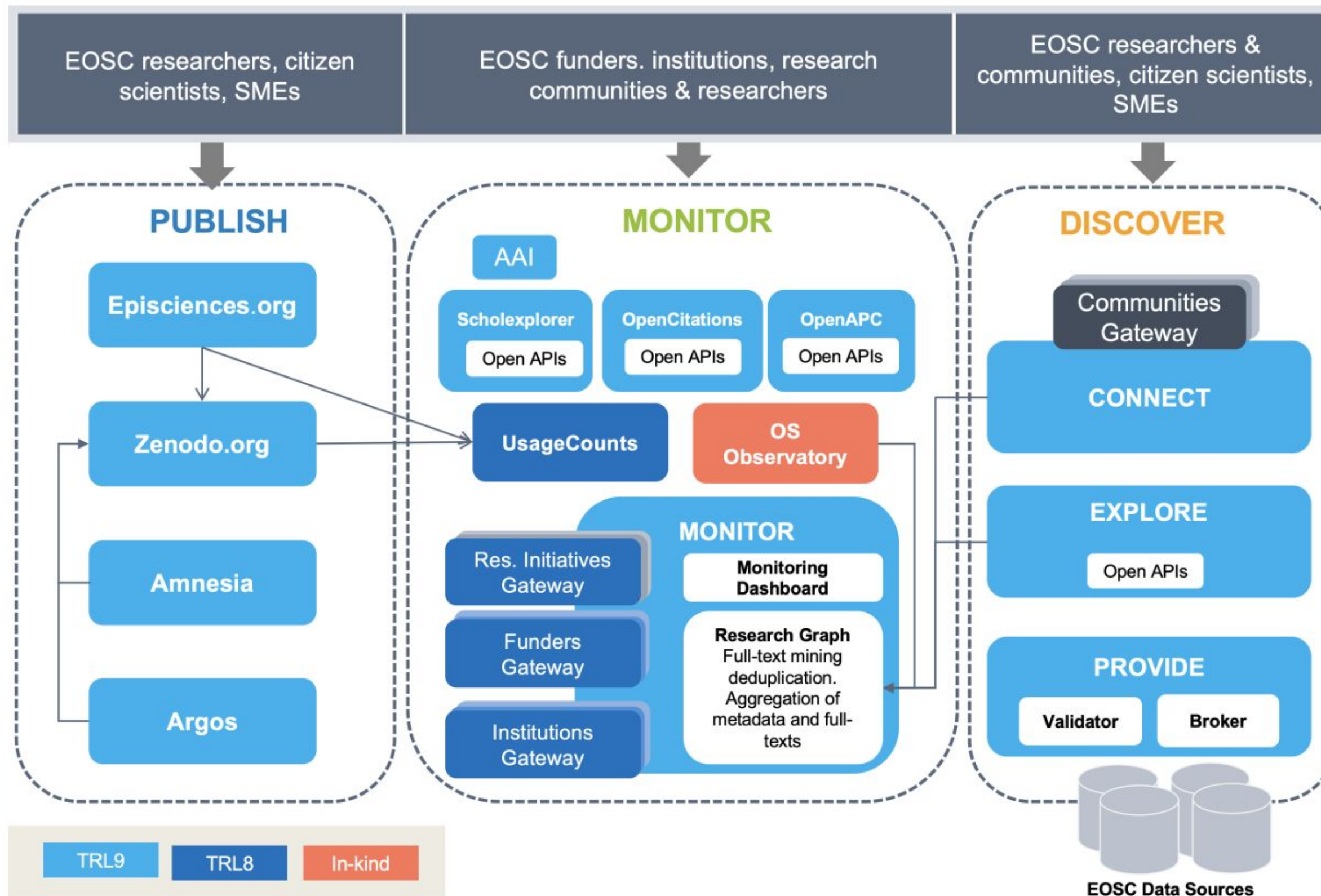


**OBJECTIVE 4.** Publishing commons: EOSC Interoperability Frameworks in support of publishing EOSC resources across communities via the EOSC-Core



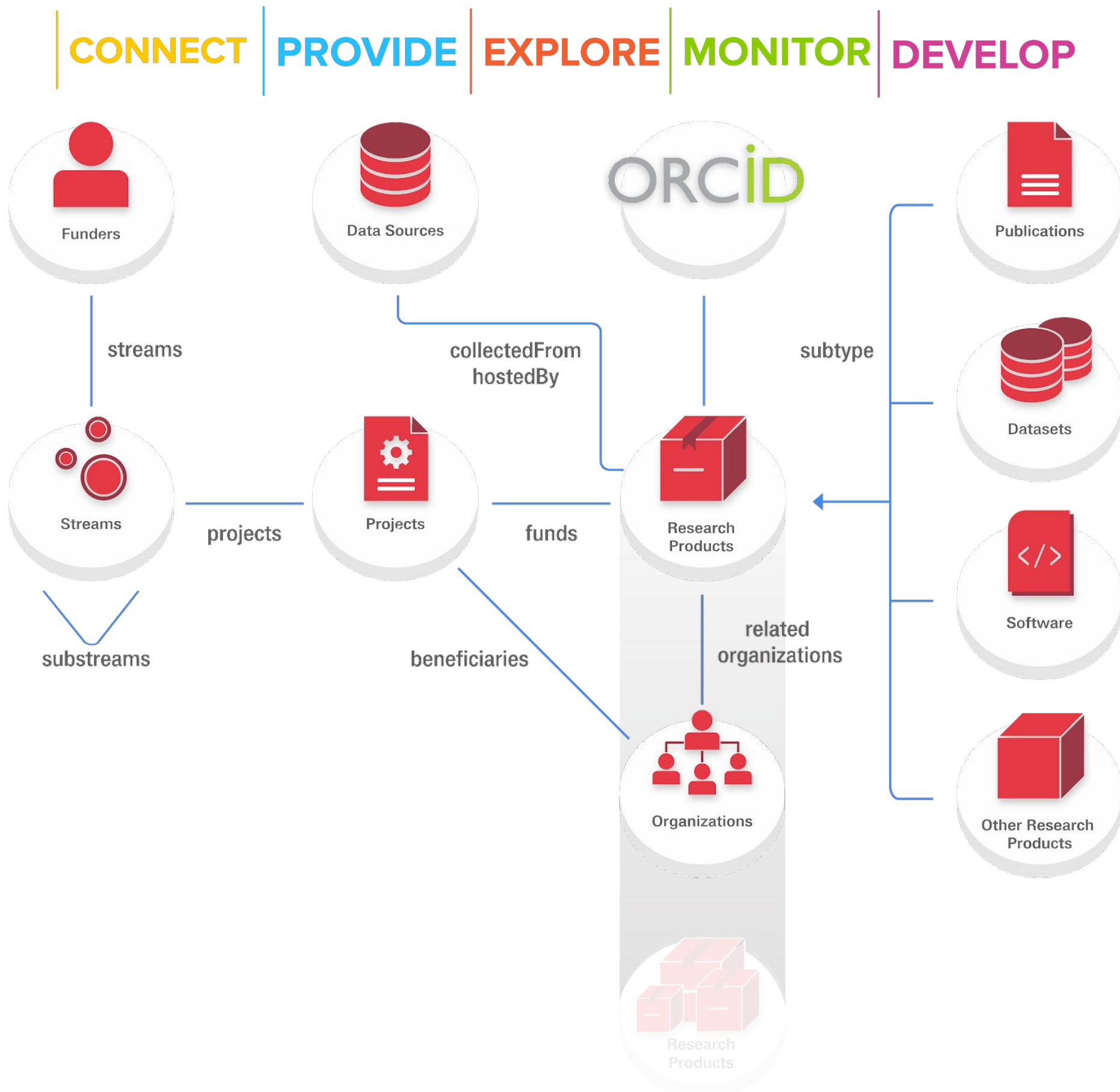
**OBJECTIVE 5.** Revenue models for Open Science services, Global Reach, Global Open Research Commons

# OpenAIRE-NEXUS Service Portfolio

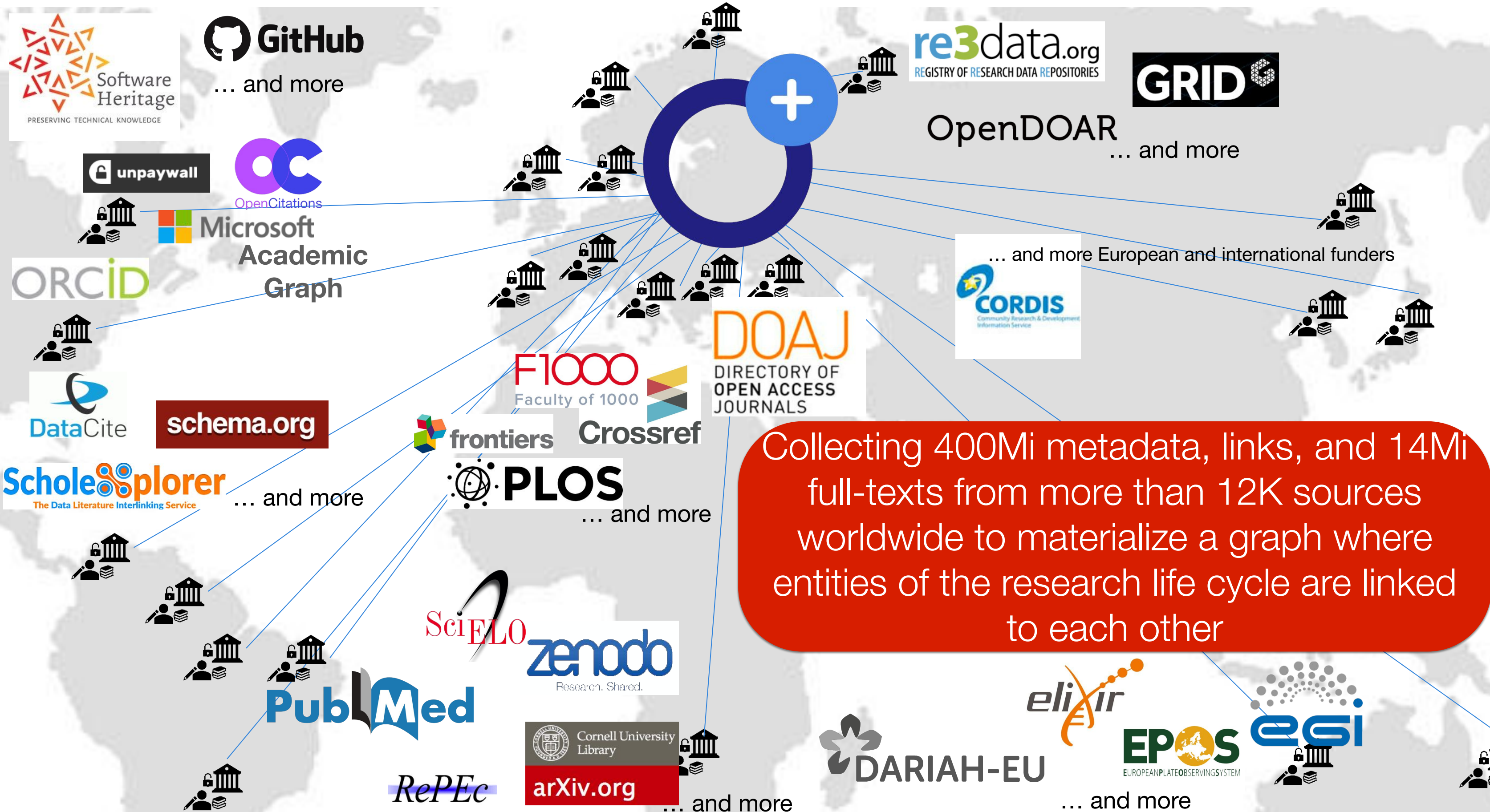




An open metadata research graph of interlinked scientific products, with access right information, linked to funding information and research communities



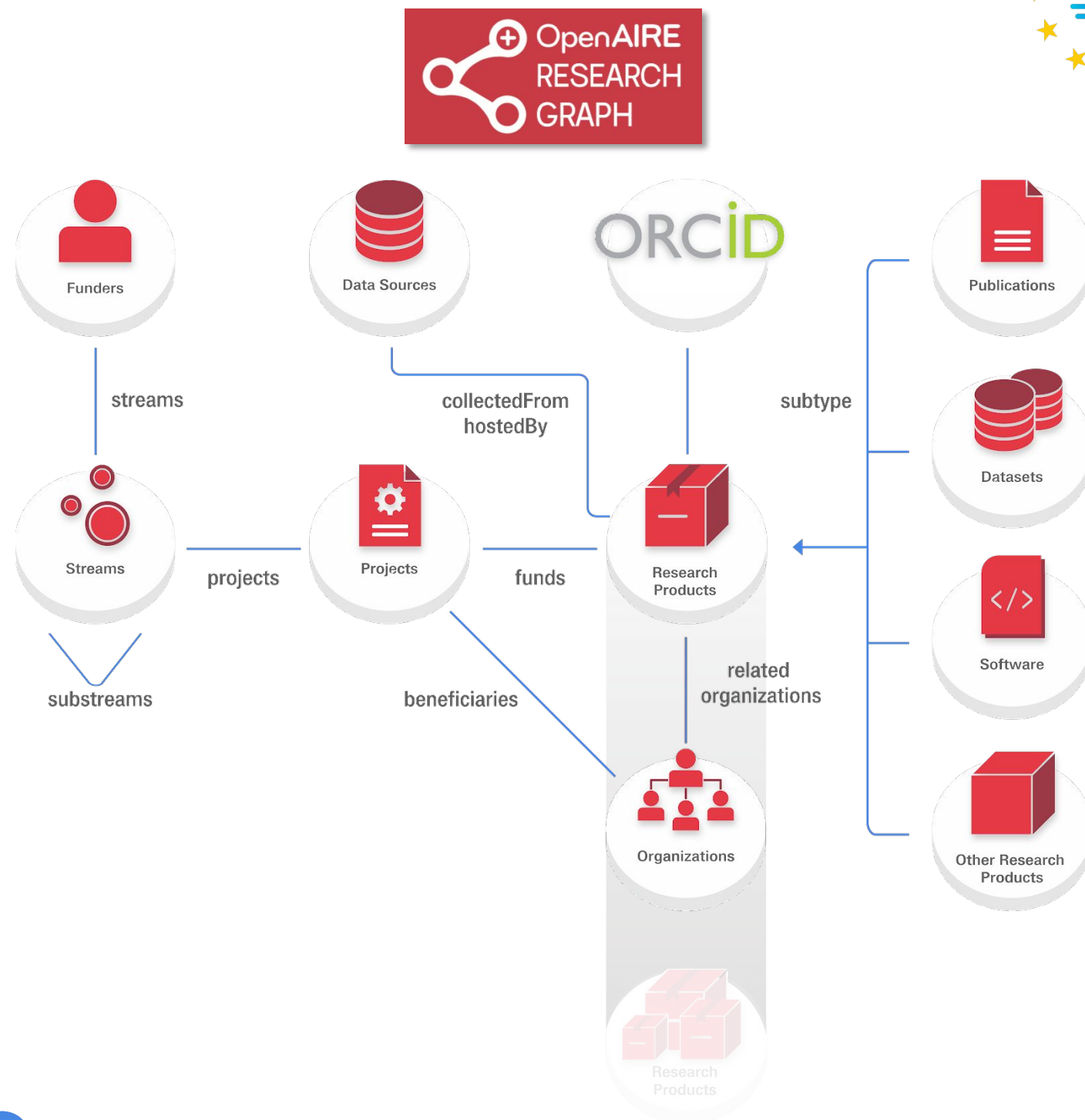
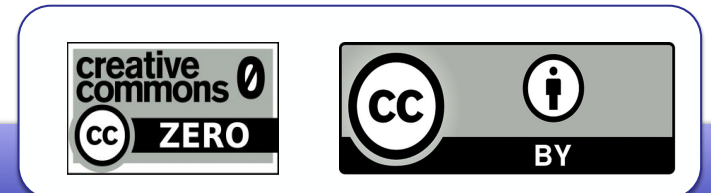




# Core values



EUROPEAN OPEN SCIENCE CLOUD



- Open
- Complete
- De-duplicated
- Transparent
- Participatory
- Decentralized
- Trusted



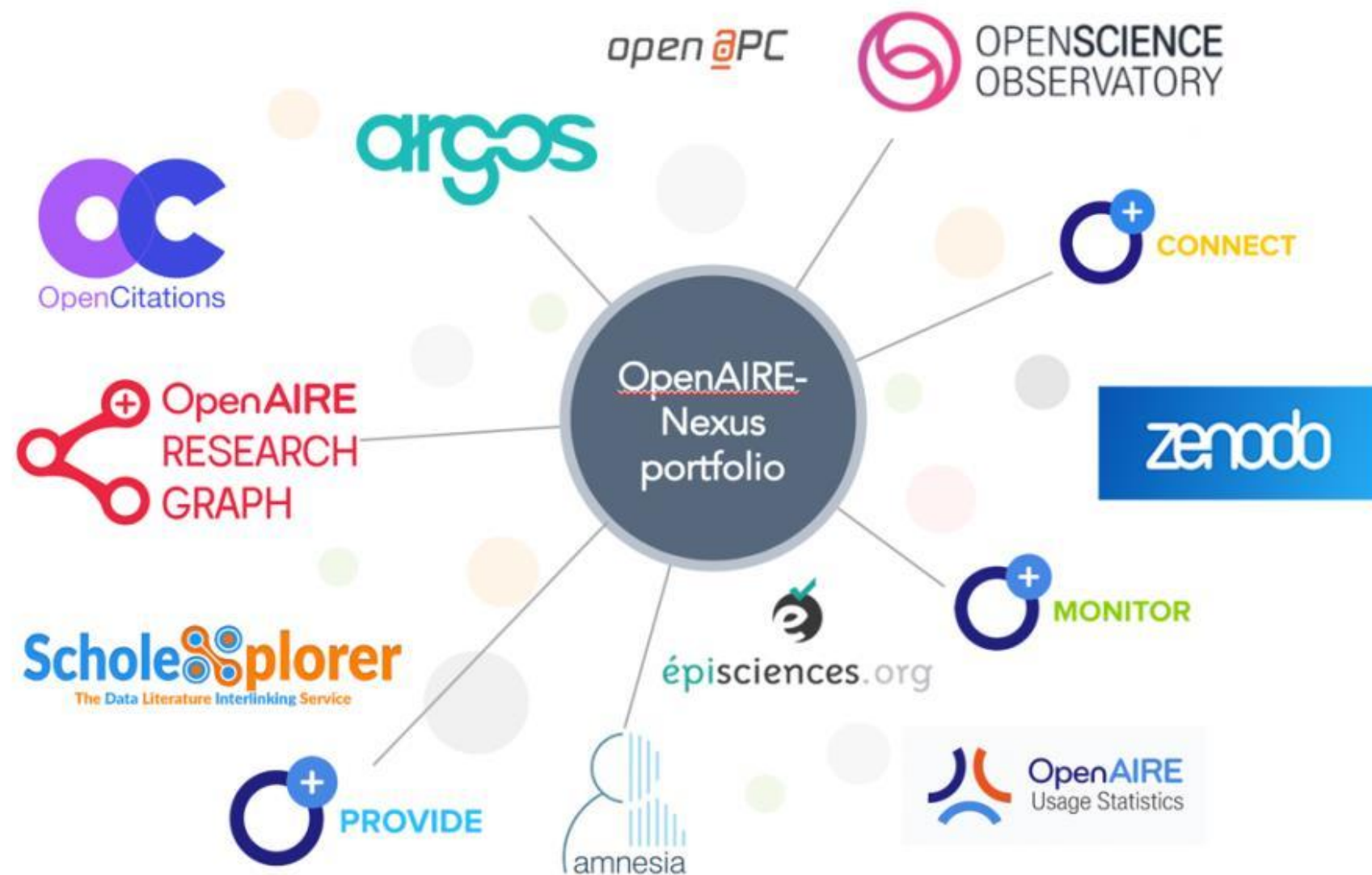
# Integration with EOSC architecture

## Technical integration

Service onboarding

AAI

Accounting and monitoring



## Semantic integration

EOSC Resource/Service profiles

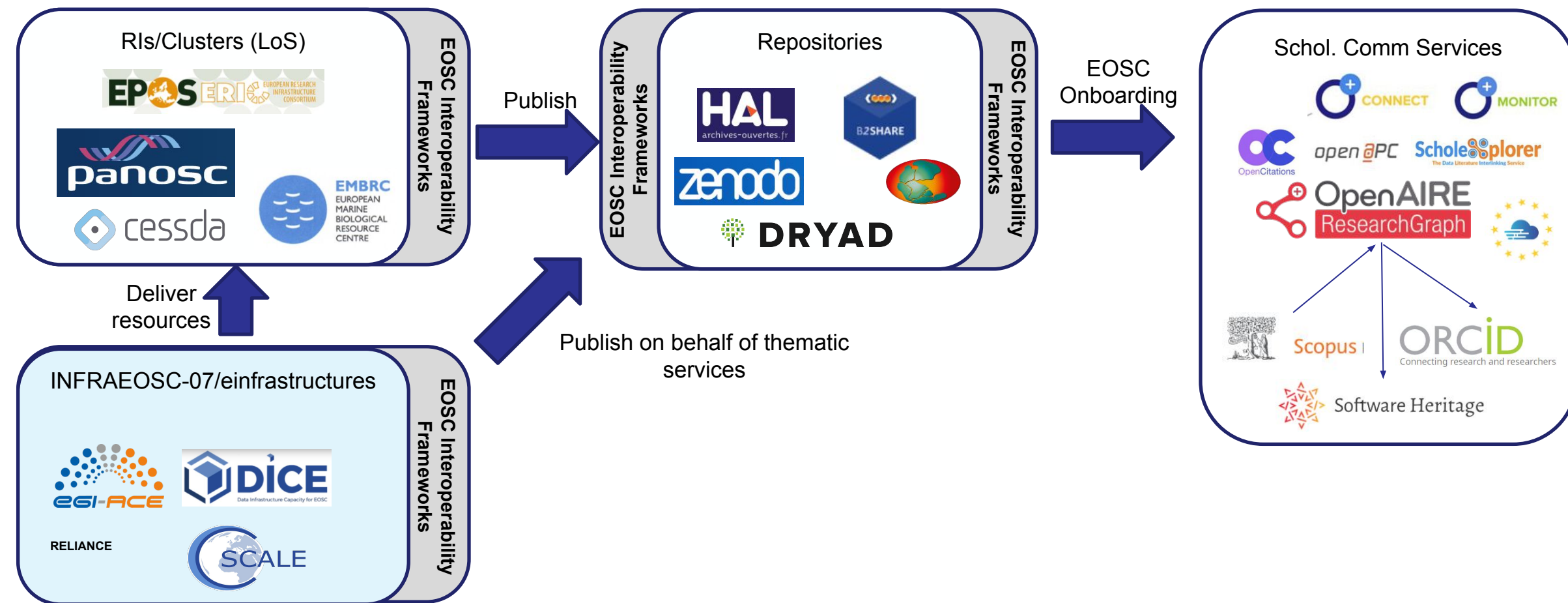
EOSC Usage Statistics

EOSC Concepts: PIDs, FAIRness

EOSC Interoperability frameworks

# EOSC Interoperability Framework

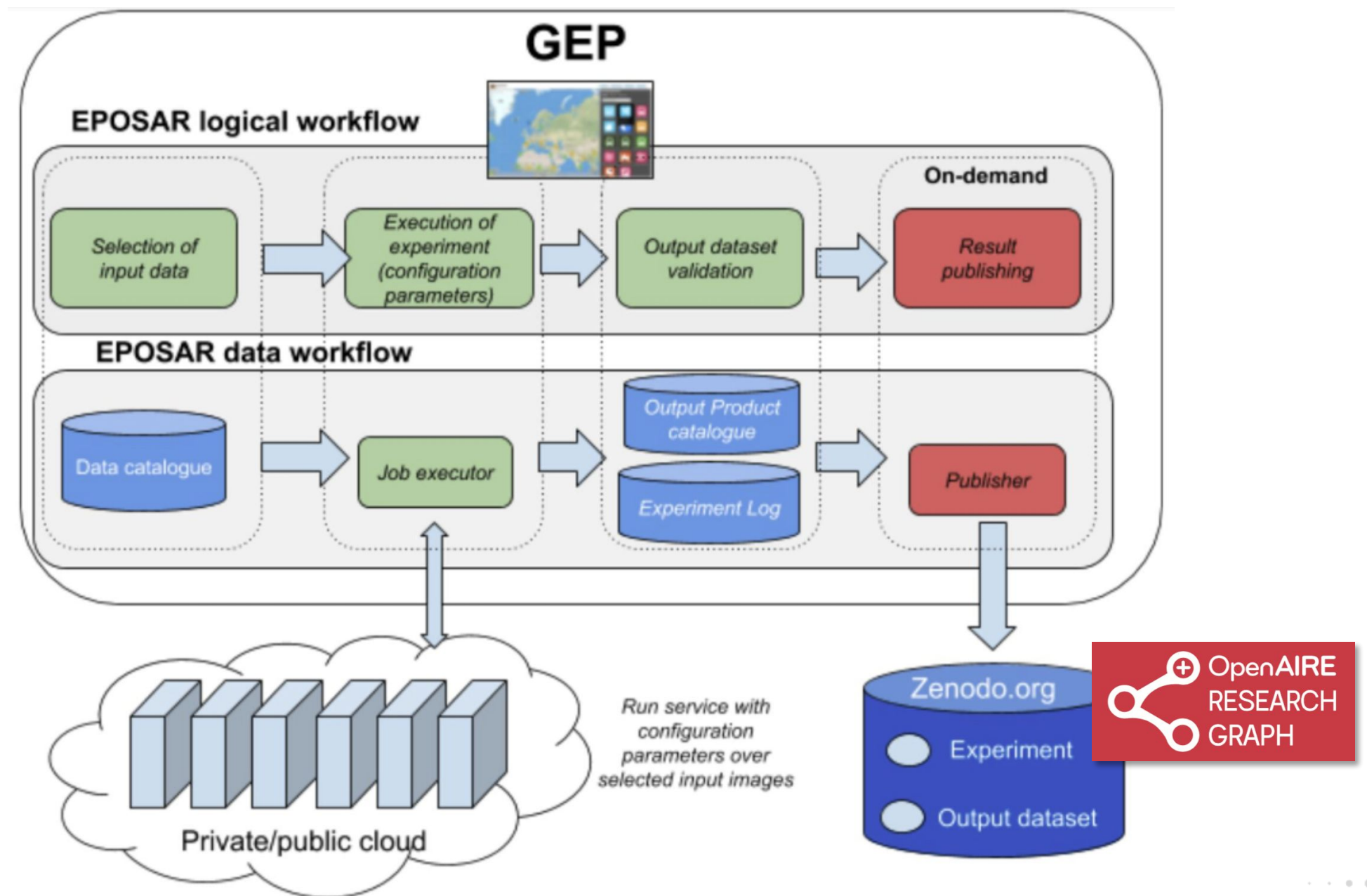
- Enabling seamless publishing of research outcomes via the EOSC-Core Services
- Bi-lateral and cross-activities with INFRAEOSC-07
  - **Interoperability**
  - **Policies**
  - **Methodologies**



# Open Science publishing workflows

- **EPOS Research Infrastructure**

- **Reproducibility**
- **Transparency**
- **Seamless publishing**



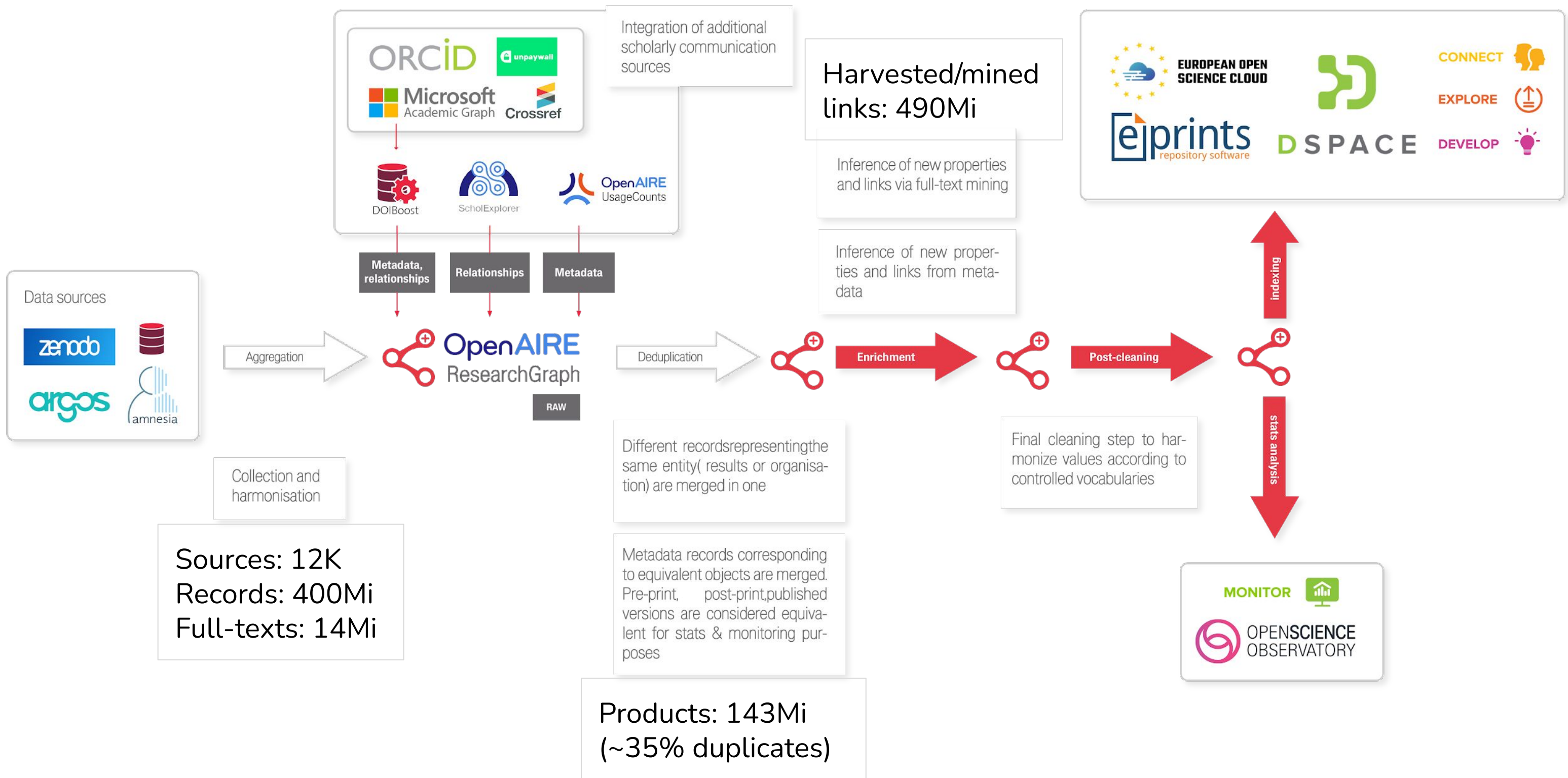


# Thank you!

**Andrea Mannocci (ISTI-CNR)**

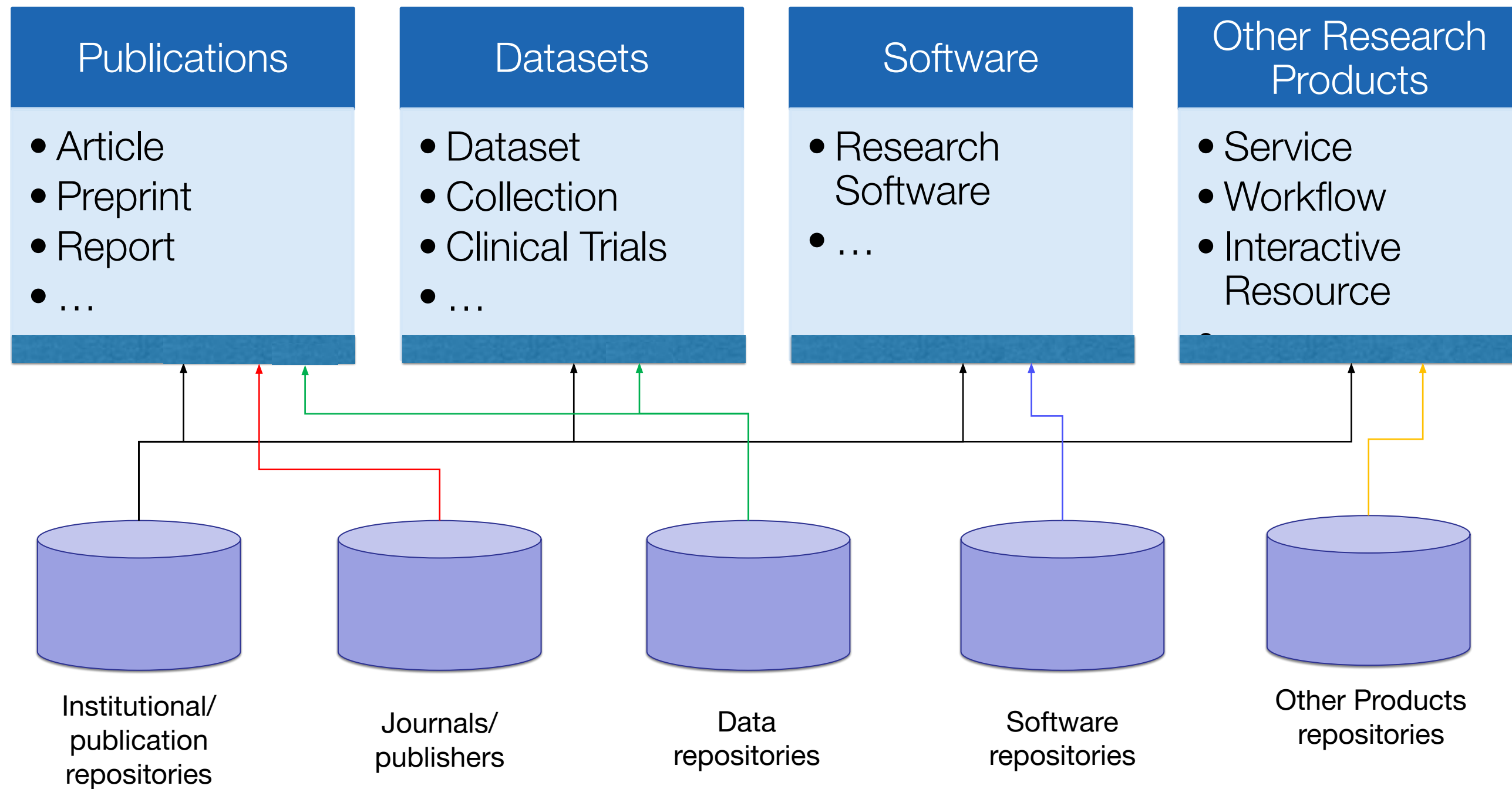
[andrea.Mannocci@isti.cnr.it](mailto:andrea.Mannocci@isti.cnr.it)





# OpenAIRE Research Graph: the supply chain

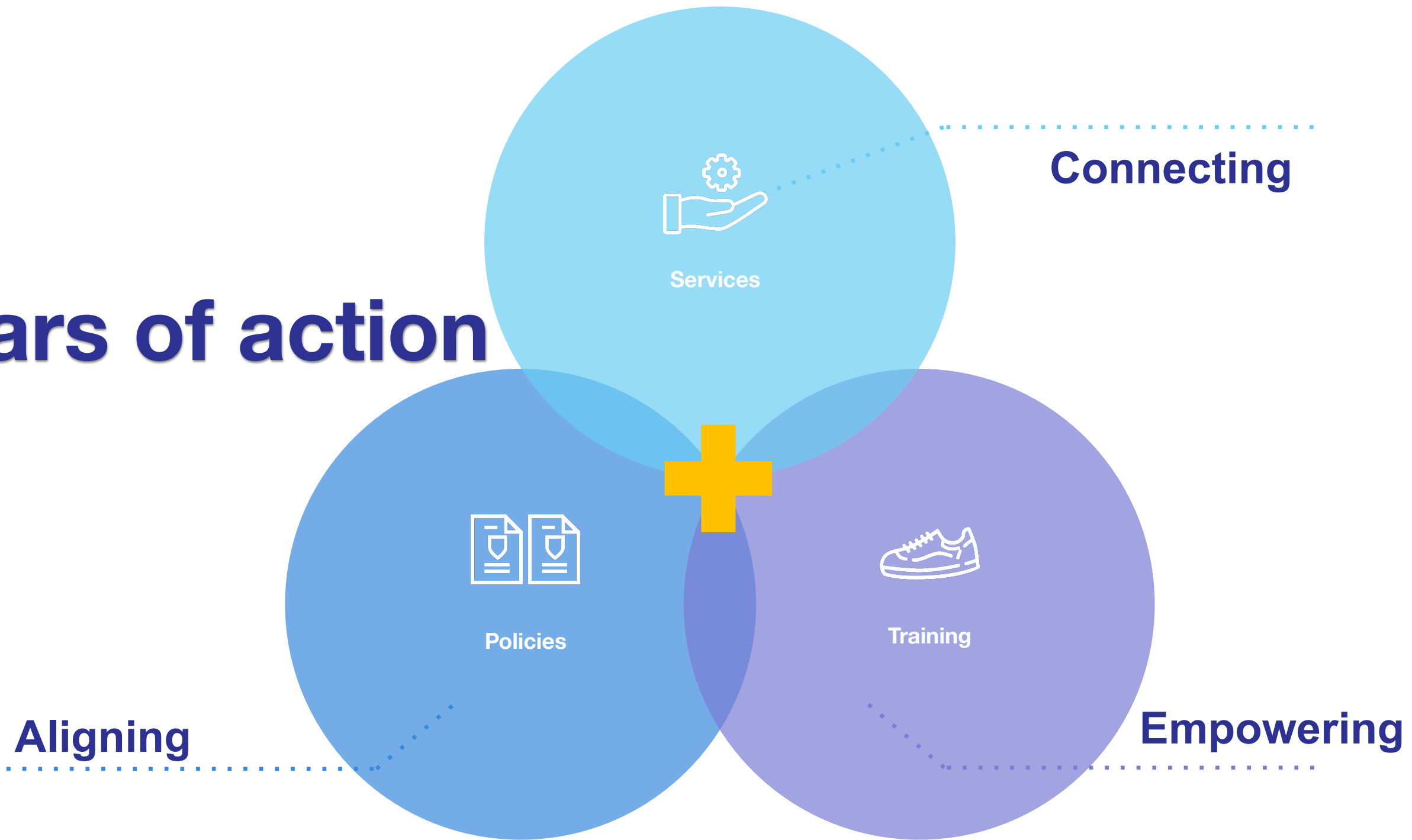
# Harvesting: Revised Classification of Research Products





# User support and training

## 3 pillars of action



# User engagement

Move from...	To...
Product centricity	Customer centricity
Supply optimization	Demand sensing and aggregation
Analysing segment-based customer needs	Analysing customers jobs to be done
Transactional experiences	Connected experiences
Scale through standardization	Personalized journeys at scale