



**Paolo Manghi**  
OpenAIRE AMKE

# OpenAIRE Nexus in a nutshell



# Structure

- **Period:** January 2021 - June 2023
- **Budget:** €3,993,424
- **Coordinator:** OpenAIRE AMKE
- **Partners (11):** CNR, ARC, ICM, UNIBI, CNRS, CERN, UNIBO, CITE, UGOE, UMINHO, GRNET/ARC

# OpenAIRE Services

TRL9

Third-party TRL9

researchers, citizen scientists,  
SMEs

funders, institutions, research initiatives &  
researchers

researchers & communities,  
citizen scientists, SMEs

PUBLISH

épisciences.org

zenodo

Amnesia

argos

MONITOR

ScholarXplorer

OpenCitations

open@PC

OpenAIRE  
UsageCounts

OPENSOURCE  
OBSERVATORY

OpenAIRE  
MONITOR

Funders Gateway

Initiatives  
Gateway

Institutions  
Gateway

DISCOVER

Community  
Gateway

OpenAIRE  
CONNECT

OpenAIRE  
EXPLORE

Open APIs

Research Graph construction

Full-text mining, deduplication, context propagation,  
aggregation of metadata and full-texts

OpenAIRE  
PROVIDE

Validator

OA Broker

EOSC Data Sources

# Integration with the EOSC Core

Semantic interoperability with  
the EOSC Core

EOSC Description Framework (services, data  
sources, research products), EOSC  
onboarding, and pervasive usage of PIDs

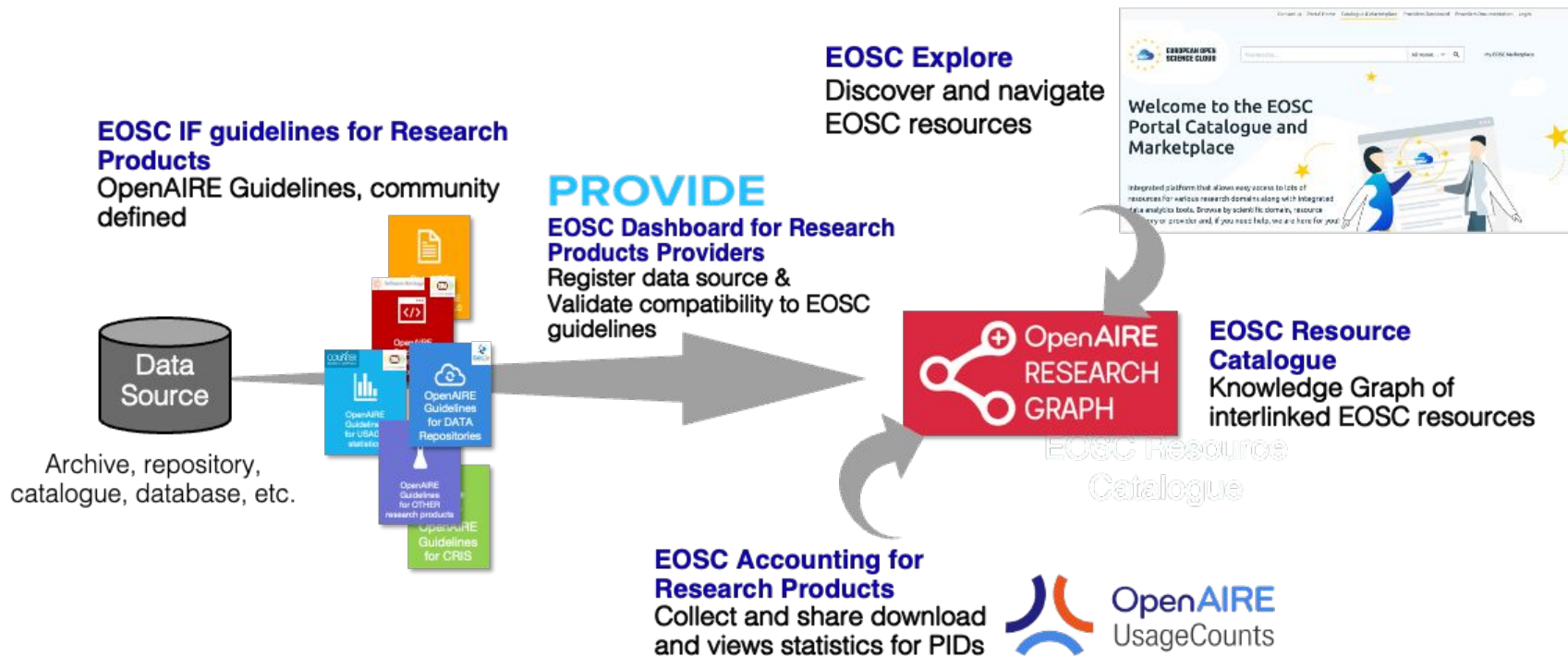


**EUROPEAN OPEN  
SCIENCE CLOUD**

Technical interoperability with the  
EOSC Core

EOSC AAI, usage statistics for research products,  
and accounting

# OpenAIRE Nexus services in the EOSC Core



## Some numbers (this year to Sept)

- **AAI:** 24K users actively using OpenAIRE AAI, *even though most services do not require login*
- **Zenodo:** 181K researchers have shared 66PB of data
- **Amnesia:** 15K visits, 450 downloads (installations?)
- **Argos:** 1200 researchers making their DMPs
- **PROVIDE:** 2.5K data sources registered & validated, generating 25M brokering events
- **UsageCounts:** 500 repositories capturing 785M downloads

Photo by [Nick Hillier](#) on [Unsplash](#)

## Some numbers (this year to Sept)

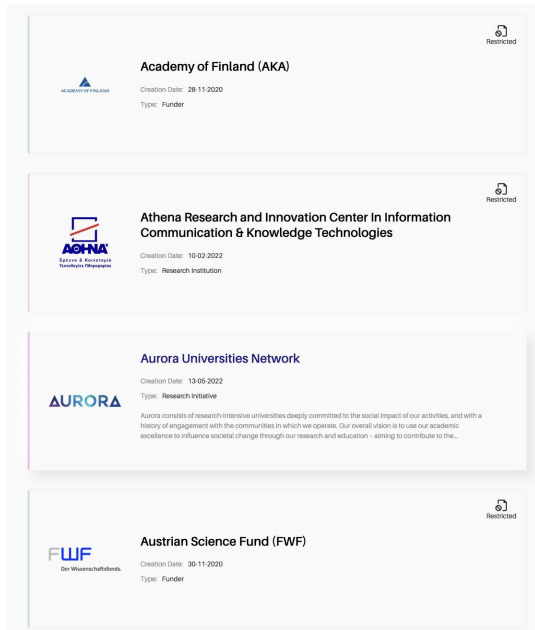
- **EXPLORE:** 1700 users have claimed 61K research results to 1700 projects and 35K claims to ORCID
- **OpenCitations:** 1.3B citation records, 82M API requests
- **Episciences:** 25 Journals, 10K users and 500 submissions
- **Graph**
  - 145M publications, 18M research data, 304K research software items, from 110K data sources, linked to 3M grants and 178K organizations
  - 35M API requests, 6K dumps



Photo by [Nick Hillier](#) on [Unsplash](#)

# Some numbers (this year to Sept)

- **MONITOR & CONNECT:** 40+ dashboards in use

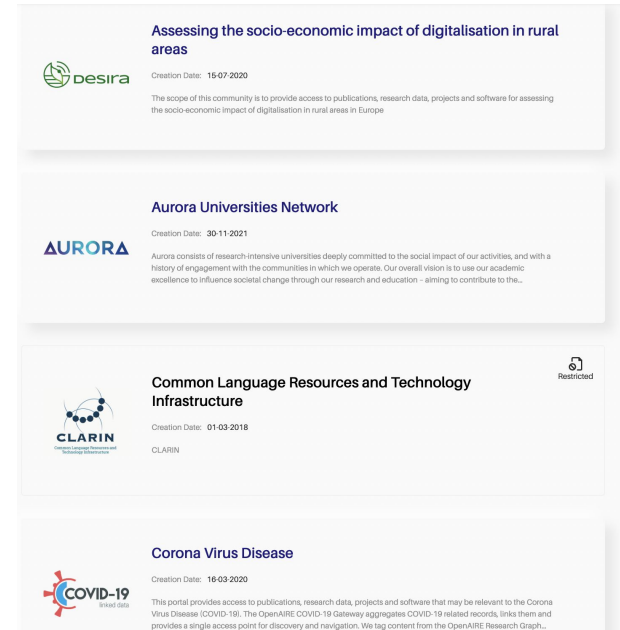


**Academy of Finland (AKA)**  
Creation Date: 28-11-2020  
Type: Funder

**Athena Research and Innovation Center In Information Communication & Knowledge Technologies**  
Creation Date: 10-02-2022  
Type: Research Institution

**Aurora Universities Network**  
Creation Date: 13-06-2022  
Type: Research Initiative

**Austrian Science Fund (FWF)**  
Creation Date: 30-11-2020  
Type: Funder



**Assessing the socio-economic impact of digitalisation in rural areas**  
Creation Date: 15-07-2020  
The scope of this community is to provide access to publications, research data, projects and software for assessing the socio-economic impact of digitalisation in rural areas in Europe

**Aurora Universities Network**  
Creation Date: 30-11-2021  
Aurora consists of research-intensive universities deeply committed to the social impact of our activities, and with a history of engagement with the communities in which we operate. Our overall vision is to use our academic excellence to influence societal change through our research and education - aiming to contribute to the...

**Common Language Resources and Technology Infrastructure**  
Creation Date: 01-03-2018  
CLARIN

**Corona Virus Disease**  
Creation Date: 16-03-2020  
This portal provides access to publications, research data, projects and software that may be relevant to the Corona Virus Disease (COVID-19). The OpenAIRE COVID-19 Gateway aggregates COVID-19 related records, links them and provides a single access point for discovery and navigation. We tag content from the OpenAIRE Research Graph...

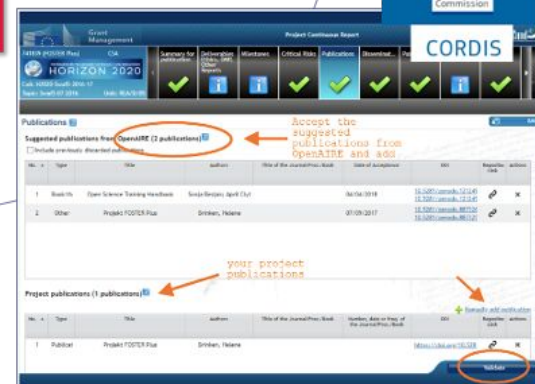
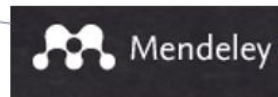
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# OpenAIRE Graph for service providers



The Graph as EOSC Resource Catalogue





@openaire\_eu  
#OpenAIRE-Nexus

# THANK YOU

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