

# Practising Open Science: OpenAIRE's Perspective

Iryna Kuchma (EIFL)

Alessia Bardi and Paolo Manghi (CNR-ISTI)

Eugenia Kyriotis (Ellinogermaniki Agogi)

Androniki Pavlidou, Katerina Iatropoulou, Argiro Kokogiannaki, Konstantina Galouni,  
Elli Papadopoulou (Athena Research Center)



@openaire\_  
eu



# OpenAIRE

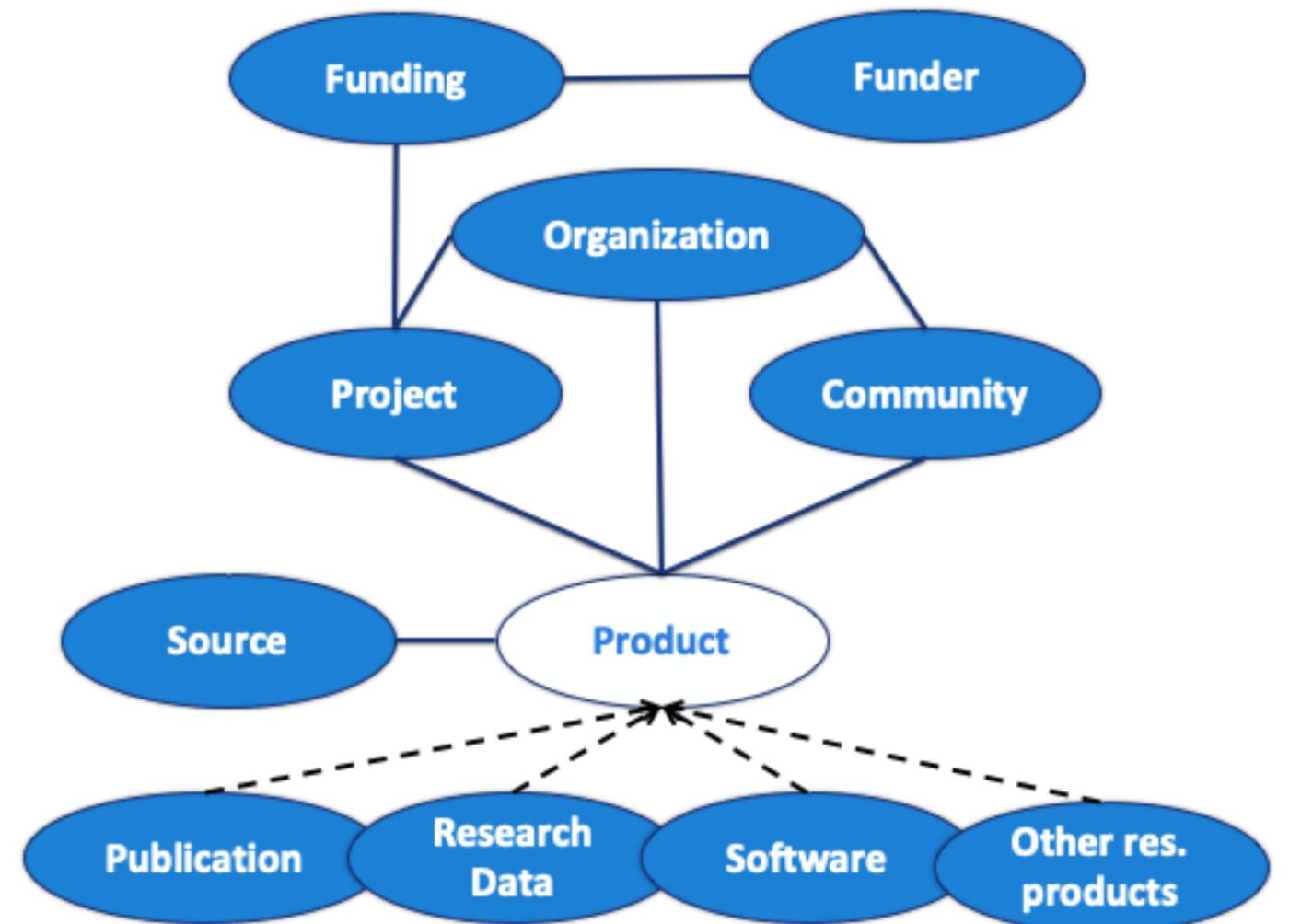
Bridging the worlds  
where science is  
**performed** and  
science is  
**published**



# Services for all actors



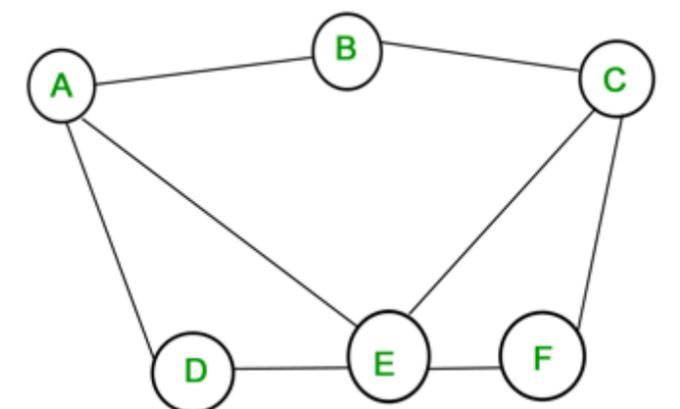
# An open metadata research graph of interlinked scientific products, with access rights information, linked to funding information and research communities

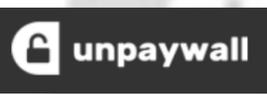
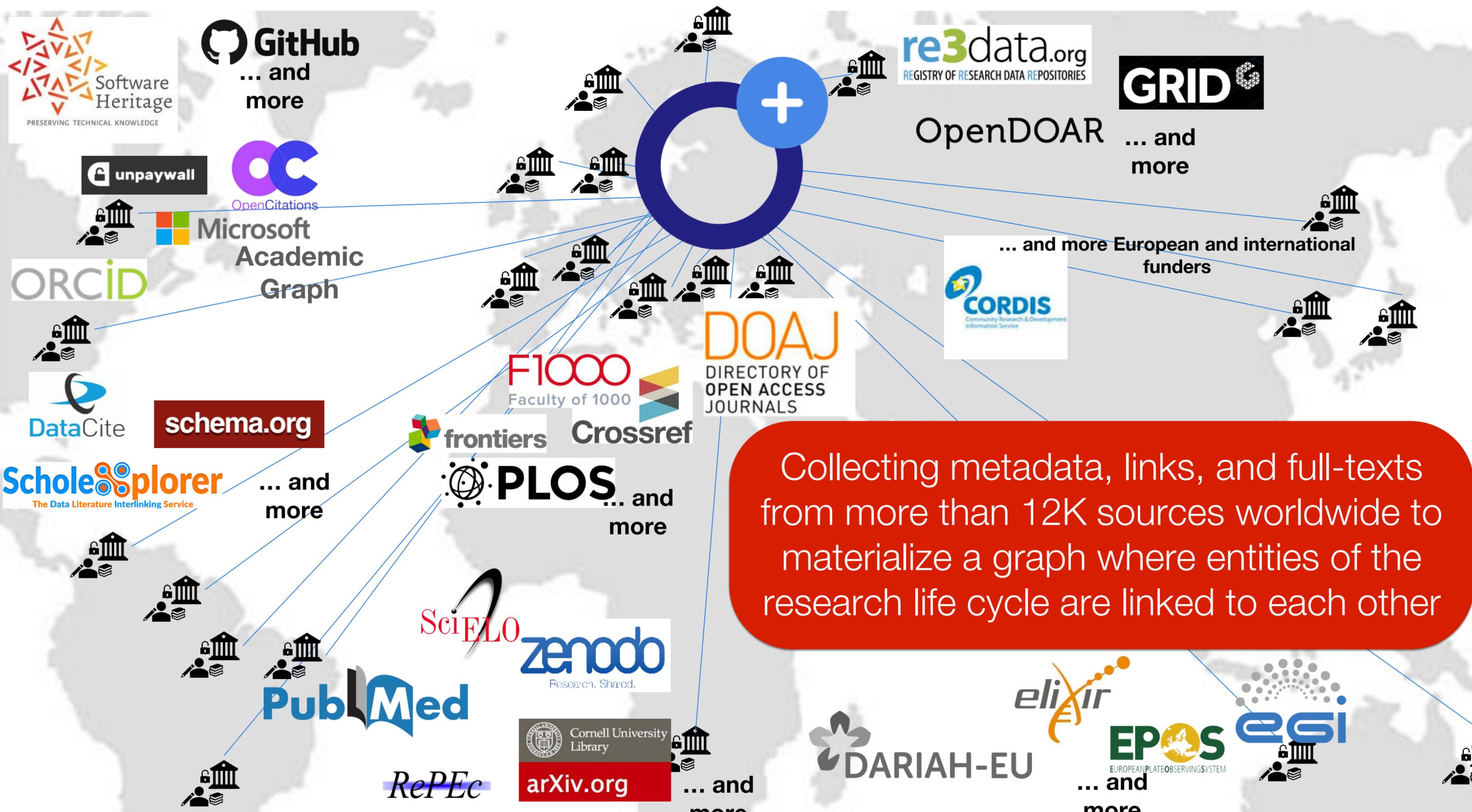


**Graph:** model for the representation of information

OpenAIRE uses it to represent **objects** in the scholarly communication domain and the **relationships** that exist among them.

Edges of the graph are annotated with a label that specifies the **semantics** of the relationships between two objects, each represented as a node in the graph.





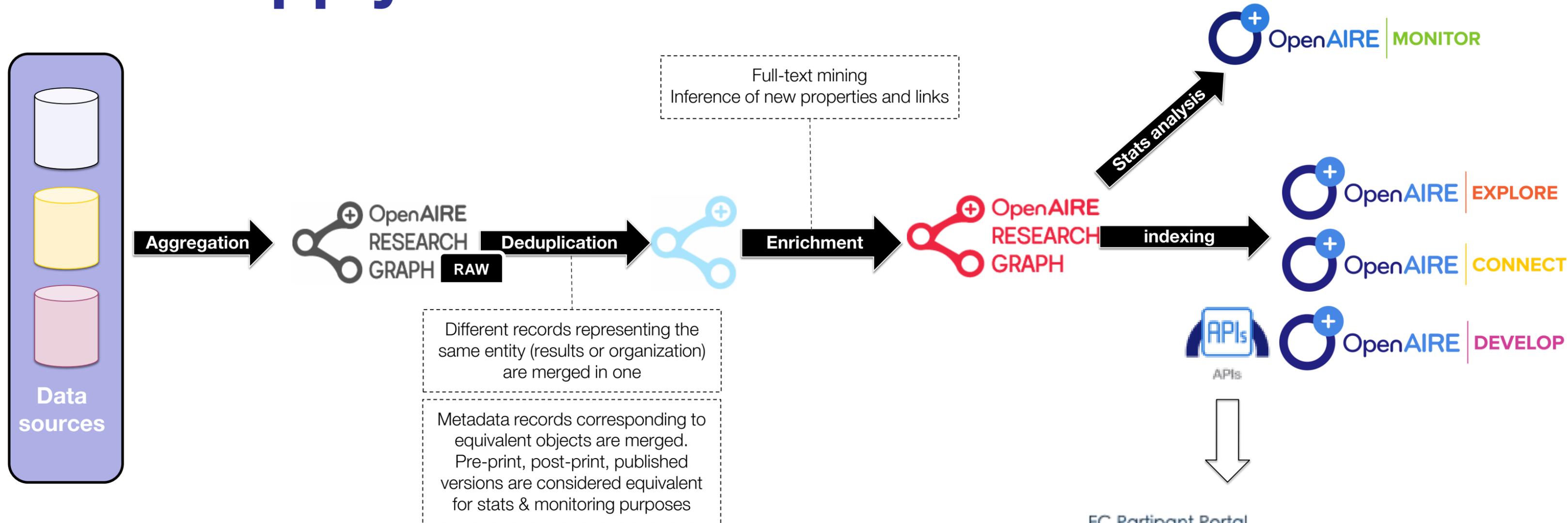
Collecting metadata, links, and full-texts from more than 12K sources worldwide to materialize a graph where entities of the research life cycle are linked to each other



... and more

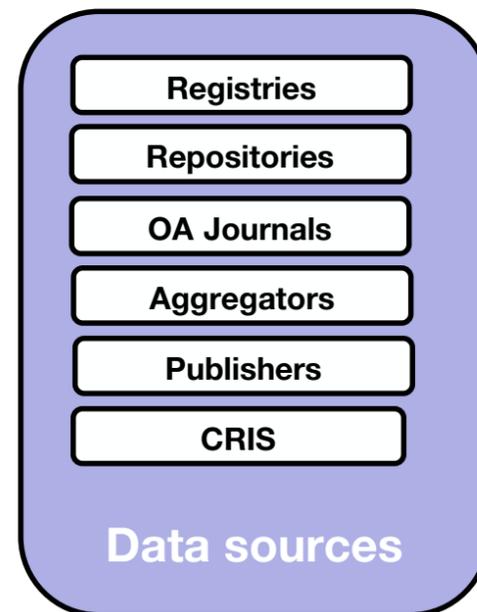
... and more

# OpenAIRE Research Graph the supply chain



# Aggregated data sources

450Mi harvested records  
500Mi bi-lateral links  
13Mi+ full-texts

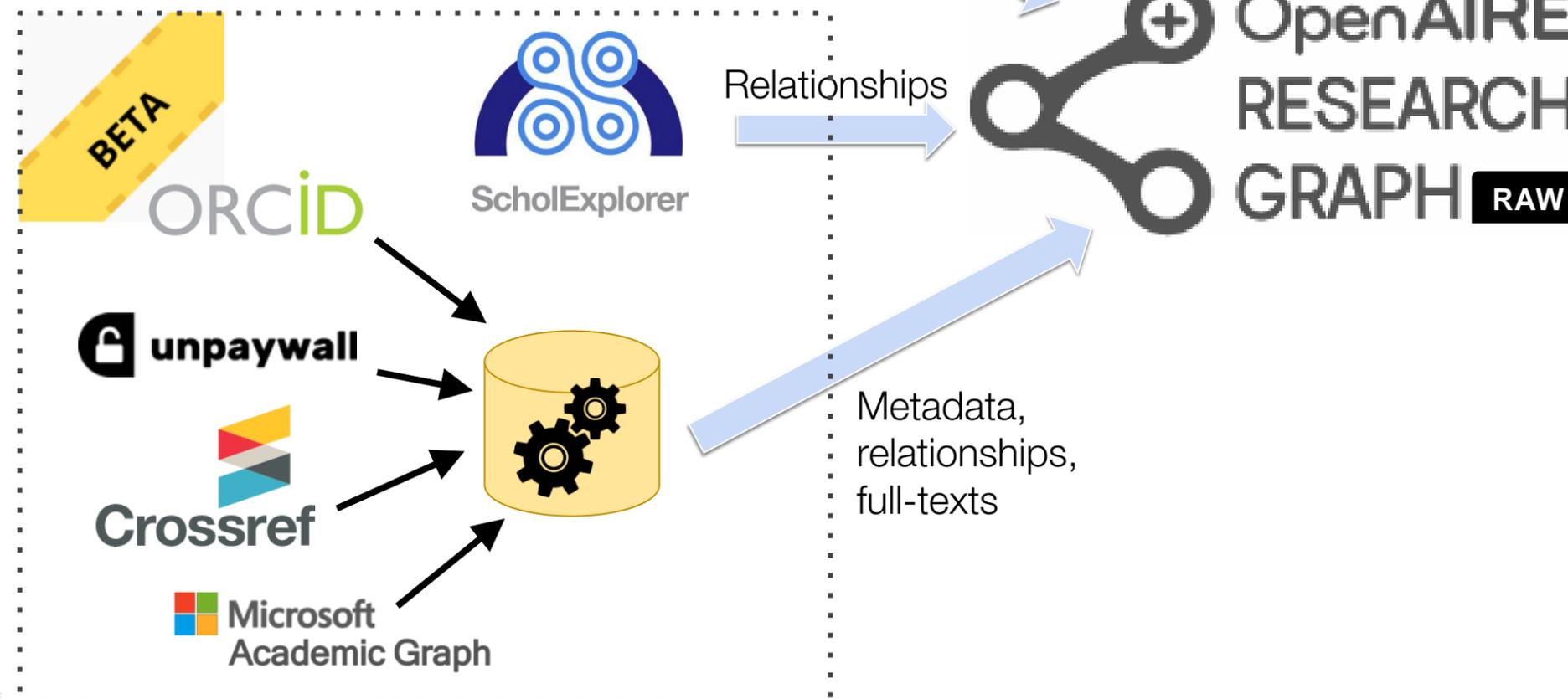


Link



Metadata,  
relationships,  
full-texts

Metadata,  
relationships



# Registries: data sources offering authoritative lists of entities

Registries of researchers

ORCID

Registries of organizations

GRID

CORDIS  
Community Research & Development  
Information Service

and other funders

Registries of projects

CORDIS  
Community Research & Development  
Information Service

FCT  
Fundação  
para a Ciência  
e a Tecnologia

ACADEMY OF FINLAND

NWO

Science  
Foundation  
Ireland  
sfi  
For what's next

Australian Government  
Australian Research Council

and other  
funders

Registries of data sources

re3data.org  
REGISTRY OF RESEARCH DATA REPOSITORIES

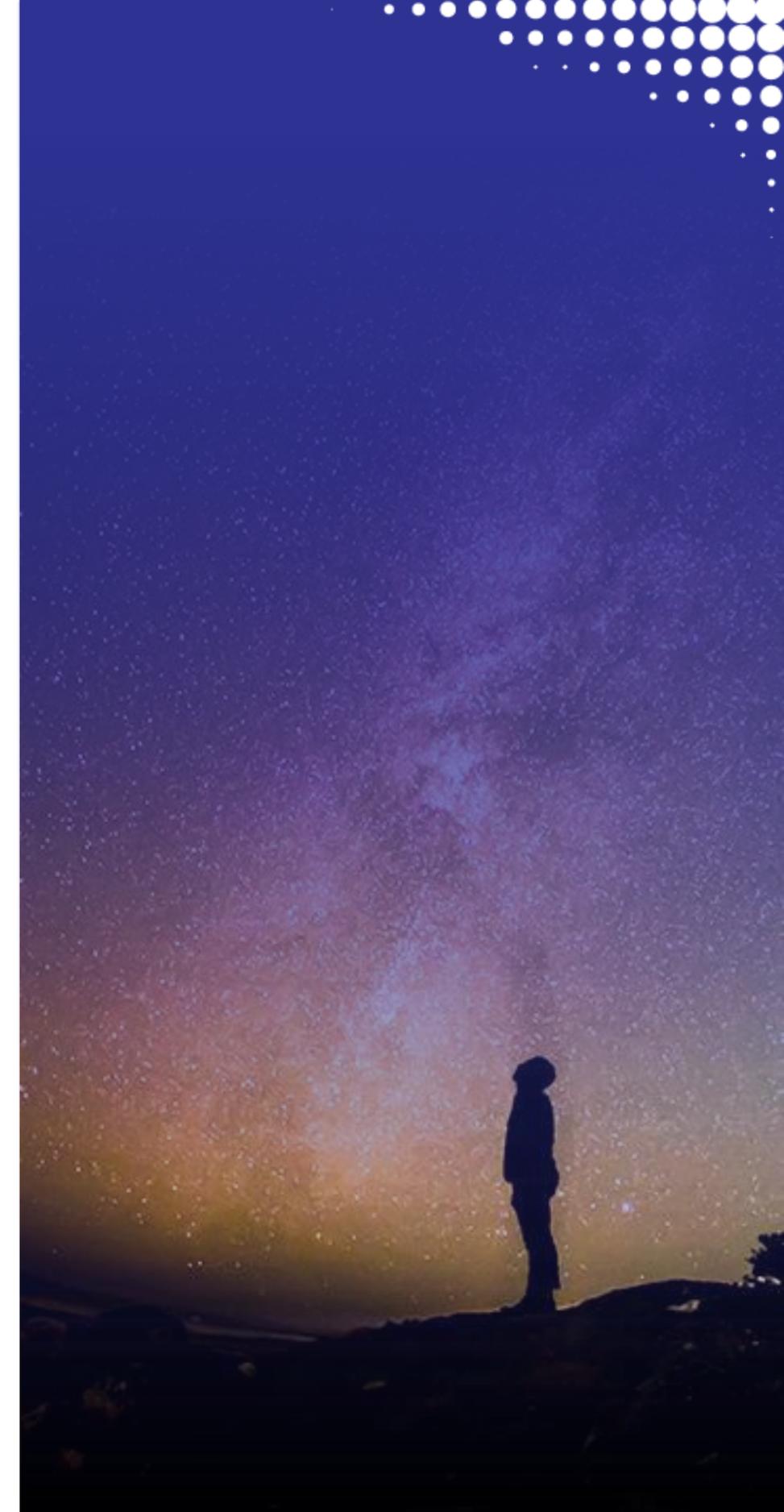
OpenDOAR

DOAJ  
DIRECTORY OF  
OPEN ACCESS  
JOURNALS

+ journal lists from  
publishers

OpenAIRE

European  
Commission



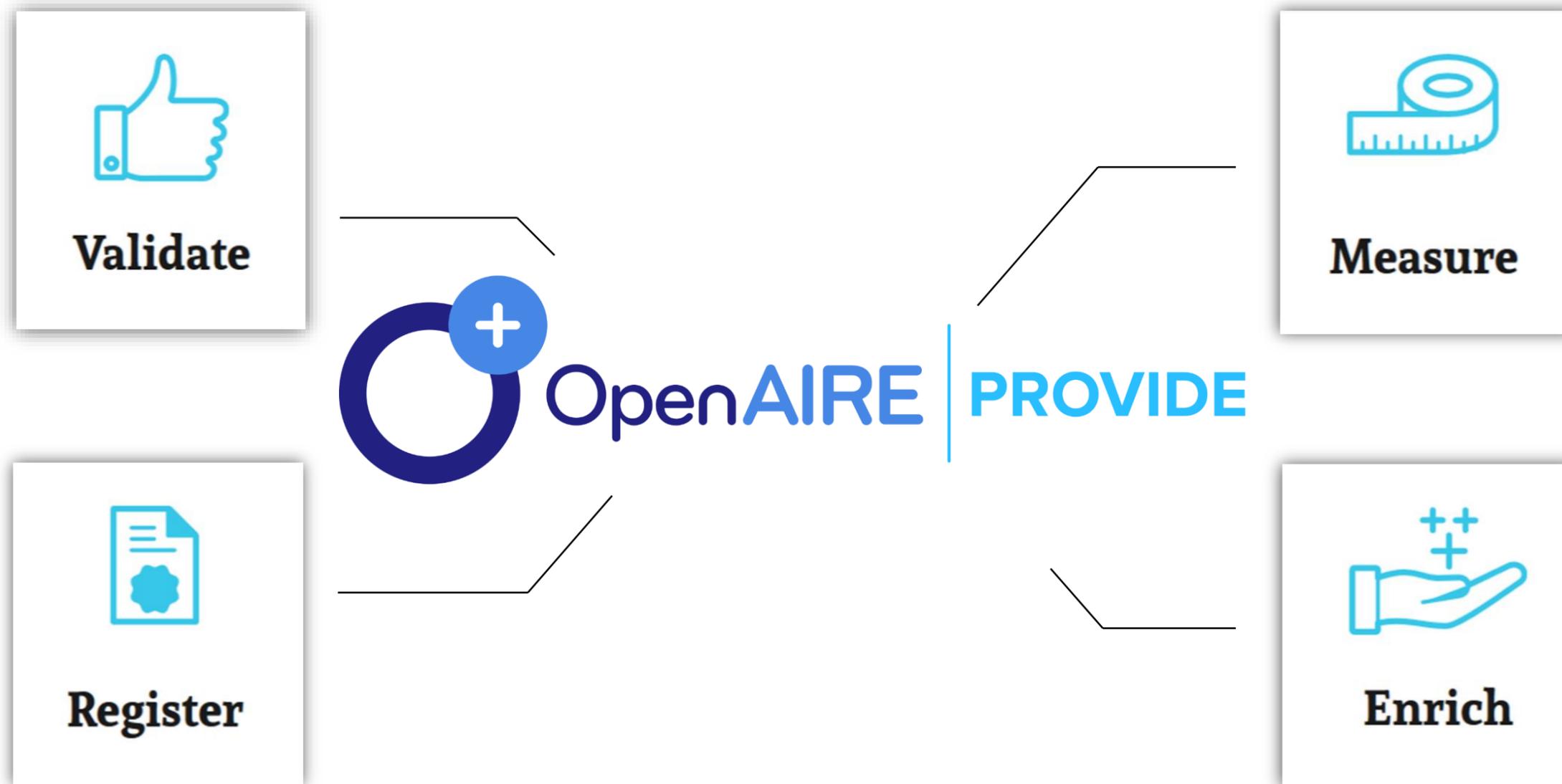
# OpenAIRE Provide

Services for Repository Managers



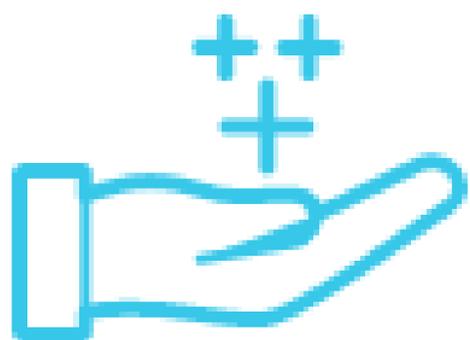
*one stop shop for all  
OpenAIRE content providers*

# OpenAIRE Content Provider Dashboard



**One-stop-shop web service where content providers (repositories, data archives, journals, aggregators, CRIS systems) interact with OpenAIRE. It provides the front-end access to many of OpenAIRE's backend services.**

Added-value services  
On top of the  
Research Graph



## ENRICH

# Improve your metadata. Get more connections

OA Broker service offers a wealth of information on scholarly communication data. Find out what interests you and subscribe to enrich your records.

### Enrich Your Content - Browse Events

#### More

ADDITIONAL METADATA INFORMATION THAT MAY ENRICH OR  
SUPPLEMENT UNIVERSIDADE DO MINHO: REPOSITORY CONTENT # OF EVENTS

#### Missing

MISSING METADATA INFORMATION THAT MAY ENRICH OR  
COMPLETE UNIVERSIDADE DO MINHO: REPOSITORY CONTENT # OF EVENTS

# Integration with third-party services

EC SYGMA

Scopus

ORCID

The screenshot shows the 'Publications' section of a Horizon 2020 project management system. It features a navigation bar with tabs for Summary for publication, Deliverables, Milestones, Critical Risks, Publications, Dissemination, Patents (IPK), Open Data, and Gender. Below this, there are two main sections: 'Suggested publications from OpenAIRE (2 publications)' and 'Project publications (1 publications)'. The 'Suggested publications' section contains a table with columns for No., Type, Title, Authors, Title of the Journal/Proc./Book, Date of Acceptance, DOI, and Actions. Two entries are listed: 'Open Science Training Handbook' and 'Projekt FOSTER Plus'. The 'Project publications' section also contains a table with similar columns, listing 'Projekt FOSTER Plus'. Annotations include an orange circle around the 'Suggested publications from OpenAIRE' link, an arrow pointing to it with the text 'Accept the suggested publications from OpenAIRE and add', and another arrow pointing to the 'Project publications' section with the text 'your project publications'. A 'Validate' button is circled in orange at the bottom right.

The screenshot shows a Scopus document details page for the article 'Expanding the Scope of Molecular Mixed Crystals Enabled by Three Component Solid Solutions'. The page includes a search bar, navigation links, and a 'Document details' section. A red box highlights the 'Related Research Data' section, which lists three entries: 'CCDC 1947874: Experimental Crystal Structure Determination', 'CCDC 1047888: Experimental Crystal Structure Determination', and 'CCDC 1047879: Experimental Crystal Structure Determination'. A red arrow points from the 'OpenAIRE' logo above to the 'Related Research Data' section, with the text 'Example of new "Related Research Data" linking'. The 'OpenAIRE' logo is a blue circle with a white plus sign.



# 2030 CONNECT

a United Nations online technology platform for the SDGs

**Search**

2030 Connect is a dynamic new tool for entrepreneurs, innovators, students and leaders from around the world seeking to exchange ideas and technology, build networks, and work to advance the Sustainable Development Goals (SDGs).



# Open APIs and Dumps

<https://develop.openaire.eu>

**Supporting third-parties at  
building added-value  
services**

OpenAIRE | Find and Share research

https://explore.openaire.eu

OpenAIRE EXPLORE

SEARCH DEPOSIT LINK CONTENT PROVIDERS SIGN IN

<https://explore.openaire.eu>

All content Search in OpenAIRE for scholarly works SEARCH

Advanced Search

113M publications deduplicated



## Extracted Metadata Combined.

The OpenAIRE Research Graph is one of the largest open scholarly record collections worldwide, key in fostering Open Science and establishing its practices in the daily research activities. Conceived as a public and transparent good, populated out of data sources trusted by scientists, the Graph aims at bringing discovery, monitoring, and assessment of science back in the hands of the scientific community.

# Annotations - B2Note (EUDAT)

mais presentes na vida das pessoas e das organizações. Com a vulgarização das tecnologias móveis (computadores portáteis, smartphones, tablets...), conjugados com sistemas de comunicação em redes sem fio (wireless), vivemos um tempo comunicacional marcado pela conectividade, mobilidade e ubiquidade, influenciando fortemente os nossos estilos de vidas e as nossas instituições. No que respeita às instituições de ensino superior, desde meados da primeira década do século XXI que se vinham adaptando a esta nova realidade, criando os...

Subjects: B-learning, Ciências da Educação [Ciências Sociais], São Francisco de Paula/RS, Tecnologia Educativa, Mestrado de Tecnologia Educativa, Aprendizagem ubíqua

26 References

Powered by OpenAIRE Open Research Graph

### Annotations

ADD ANNOTATION

**SEMANTIC** Portugal <http://ncicb.nci.nih.gov/xml/owl/EVS/Thesaurus.owl#C17006>  
<http://purl.bioontology.org/ontology/MESH/D011174>  
[http://www.ebi.ac.uk/ancestro/ancestro\\_0197](http://www.ebi.ac.uk/ancestro/ancestro_0197)  
+ 7 more

**KEYWORD** Portuguese

**COMMENT** Just a comment

3 types of Annotations

The screenshot shows the B2NOTE v3.0 BETA9 interface. The top navigation bar includes a logo, the text 'B2NOTE v3.0 BETA9', and a user profile for 'Konstantinos'. Below the navigation bar is a 'Filters' section with a search icon and a list of filter categories: 'Just a comment' (1), 'Portugal (10)' (1), and 'Portuguese' (1). Each filter has a corresponding icon and a right-pointing arrow. The 'Portuguese' filter also includes edit and delete icons. The interface is clean and modern, with a blue and white color scheme.

Any information missing or wrong

# Landing pages further improvements

Publication . Article . 2012 . Embargo end date: 4 Sep 2014 . [Under curation](#)

## Changes in Anterior Chamber Depth after Combined Phacovitrectomy

The incidences of both cataract and vitreoretinal pathologies increase with advancing age

[id](#) Sebastiaan Mathot, [jean-Baptiste Melmi](#), [id](#) Eric Caster

OPEN ACCESS

RESTRICTED ACCESS

ENGLISH

FRENCH

Published: 4 Aug 2012 Journal: PeerJ, volume 3 (issn: 2167-8359, eissn: 2167-8359)

Publisher: PeerJ Inc. ([Copyright policy](#))



LINK THIS PUBLICATION TO...

CITE THIS PUBLICATION



Publication Summary	References	Supplementary Research	Similar Research	External Databases
	20,034	20,034	20,034	20,034

### Abstract

International audience It is commonly believed that vision is impaired during saccadic eye movements. However, here we report that some visual stimuli are clearly visible during saccades, and trigger a constriction of the eye's pupil. Participants viewed sinusoid gratings that changed polarity 150 times per second (every 6.67 ms). At this rate of flicker, the gratings were perceived as homogeneous surfaces while participants fixated. However, the flickering gratings

### Funded by

[European Commission](#) | [ACTPUP](#), [European Commission](#) | [OPENAIRE](#), [FWF](#) | [Turbulence in the Edge of Magnetised Plasmas: Emergent Structures and Transport](#), [EC](#) | [EUROfusion](#)

# Open Citations Addition

Publication . Article . 2012 . Embargo end date: 4 Sep 2014 . [Under curation](#)

## Changes in Anterior Chamber Depth after Combined Phacovitrectomy

The incidences of both cataract and vitreoretinal pathologies increase with advancing age

[id](#) Sebastiaan Mathot, [jean-Baptiste Melmi](#), [id](#) Eric Caster

OPEN ACCESS

RESTRICTED ACCESS

ENGLISH

FRENCH

Published: 4 Aug 2012 Journal: PeerJ, volume 3 (issn: 2167-8359, eissn: 2167-8359)

Publisher: PeerJ Inc. ([Copyright policy](#))

📧 🌐 🐦 📘 🌐 🗣️ +

 LINK THIS PUBLICATION TO... 

 CITE THIS PUBLICATION

 285

 7

 45

Publication Summary	References	Supplementary Research	Similar Research	External Databases
	20,034	20,034	20,034	20,034

### Abstract

International audience It is commonly believed that vision is impaired during saccadic eye movements. However, here we report that some visual stimuli are clearly visible during saccades, and trigger a constriction of the eye's pupil. Participants viewed sinusoid gratings that changed polarity 150 times per second (every 6.67 ms). At this rate of flicker, the gratings were perceived as homogeneous surfaces while participants fixated. However, the flickering gratings

### Funded by

[European Commission](#) | [ACTPUP](#), [European Commission](#) | [OPENAIRE](#), [FWF](#) | [Turbulence in the Edge of Magnetised Plasmas: Emergent Structures and Transport](#), [EC](#) | [EUROfusion](#)

# Metrics visualization improvement

Publication . Article . 2012 . Embargo end date: 4 Sep 2014 . [Under curation](#)

## Changes in Anterior Chamber Depth after Combined Phacovitrectomy

The incidences of both cataract and vitreoretinal pathologies increase with advancing age

[id](#) Sebastiaan Mathot, [jean-Baptiste Melmi](#), [id](#) Eric Caster

OPEN ACCESS

RESTRICTED ACCESS

ENGLISH

FRENCH

Published: 4 Aug 2012 Journal: PeerJ, volume 3 (issn: 2167-8359, eissn: 2167-8359)

Publisher: PeerJ Inc. ([Copyright policy](#))

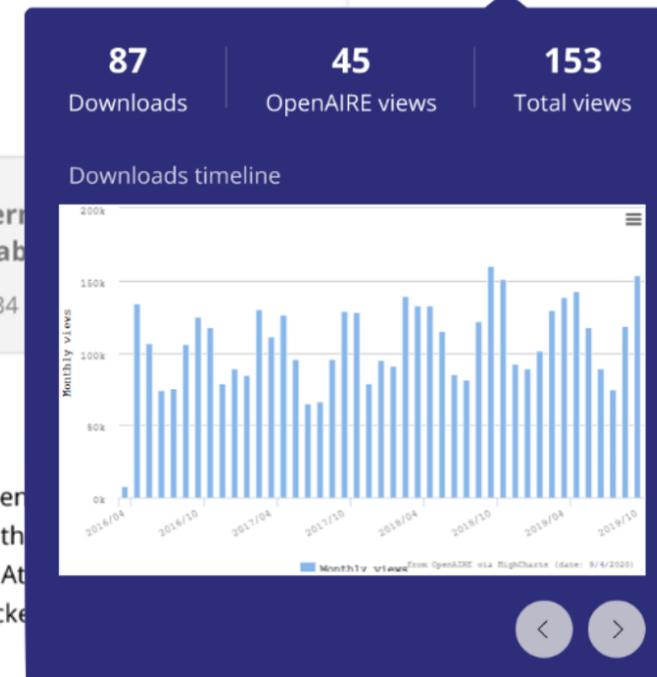
LINK THIS PUBLICATION TO...  
CITE THIS PUBLICATION

285  
7  
45

Publication Summary	References	Supplementary Research	Similar Research	External Databases
	20,034	20,034	20,034	20,034

### Abstract

International audience It is commonly believed that vision is impaired during saccadic eye movements, however, we report that some visual stimuli are clearly visible during saccades, and trigger a constriction of the pupil. Participants viewed sinusoid gratings that changed polarity 150 times per second (every 6.67 ms). At the time of the saccades, the gratings were perceived as homogeneous surfaces while participants fixated. However, the flicker

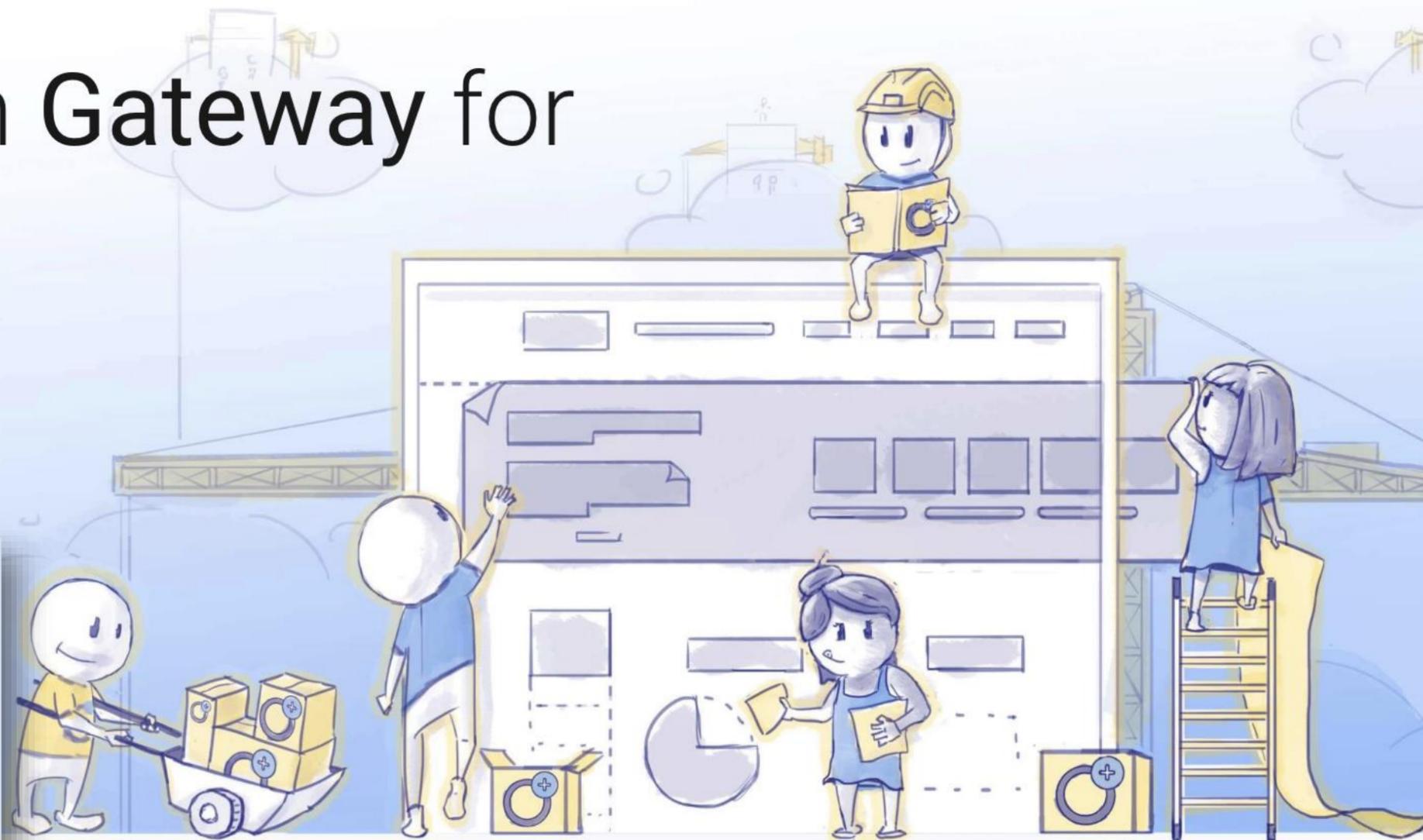


# Build an Open Research Gateway for your Community

Turn Open Science into practice

Share and link your research results.  
Across organizations, across borders.  
Customized to your needs.

LEARN HOW





<https://covid-19.openaire.eu>

DEPOSIT LINK SEARCH ABOUT SIGN IN

# Corona Virus Disease

COVID-19

Subscribe

Research outcomes

Search by title, author, abstract, DOI, orcid...

SEARCH

[Advanced Search](#)

SUMMARY

PUBLICATIONS

**65,706**

RESEARCH DATA

**3,937**

SOFTWARE

**403**

OTHER RESEARCH

**4,101**

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 (10,000+ data sources) and additional sources. All COVID-19 related research results are linked to people, organizations and projects, providing a contextualized navigation.

Curated by: [Alessia Bardi](#), [Iryna Kuchma](#), [Evgeny Bobrov](#), [Ivana Truccolo](#), [Elizabete Monteiro](#)

...

[View all 8 curators](#)

Created: 16-Mar-2020 Members: 25

Projects: [130](#) Content Providers: [14](#) ?

Linked to [7](#) Zenodo Communities ?

Subjects

[COVID19](#), [SARS-CoV](#), [HCoV-19](#), [mesh:C000657245](#), [MERS-CoV](#), [Síndrome Respiratorio Agudo Severo](#), [mesh:COVID-19](#), [COVID2019](#), [COVID-19](#), [SARS-CoV-2](#), [2019 novel coronavirus](#), [severe acute respiratory syndrome coronavirus 2](#), [Orthocoronavirinae](#), [Coronaviridae](#), [mesh:D045169](#), [coronavirus](#), [SARS](#), [coronaviruses](#), [coronavirus disease-19](#), [sars cov 2](#)

[View all](#)



# Neuroinformatics

Subscribe

Research outcomes Search by title, author, abstract, DOI, orcid...

SEARCH

Advanced Search

SUMMARY	PUBLICATIONS <b>180,637</b>	RESEARCH DATA <b>6,875</b>	SOFTWARE <b>303</b>	OTHER RESEARCH <b>1,398</b>	ANALYTICS
---------	--------------------------------	-------------------------------	------------------------	--------------------------------	-----------

The neuroinformatics dashboard gathers research outputs from the 'neuroinformatics' community at large including the fields of: neuroscience, neuroinformatics, brain imaging databases and standards, brain imaging techniques, neuroimaging methods including statistics and machine learning. The dashboard covers a wide range of imaging methods including (but not limited to): MRI, TEP, EEG, MEG, and studies involving human participants as well as animal studies.

Curated by: [Sorina Pop](#), [Camille Maumet](#)  
Created: 01-Mar-2018 Members: 32  
Projects: 8 Content Providers: 6  
Linked to 17 Zenodo Communities

Subjects  
[brain mapping](#), [brain imaging](#), [electroencephalography](#), [arterial spin labelling](#), [brain fingerprinting](#), [brain neuroimaging](#), [Multimodal Brain Image Analysis](#), [fMRI](#), [neuroinformatics](#), [fetal brain](#), [brain ultrasonic imaging](#), [topographic brain mapping](#), [diffusion tensor imaging](#), [computerized knowledge assessment](#), [connectome mapping](#), [brain magnetic resonance imaging](#), [brain abnormalities](#)  
[View all](#)

<https://www.openaire.eu/guides>

## Researchers

[How to comply with H2020 mandates - publications](#)

[How can identifiers improve the dissemination of your research outputs?](#)

### > Research Data Management

[How to comply with H2020 mandates - research data](#)

[Research Data Management costs in H2020 projects](#)

[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 to deal with non-digital data](#)

[How to deal with sensitive data](#)

[Raw data, backup and versioning](#)

### > Legal issues

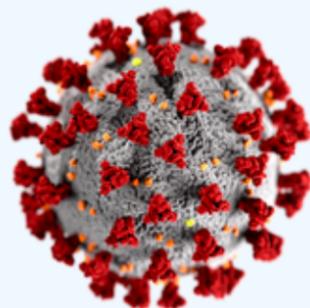
[How do I know if my research data is protected](#)

[How do I license my research data](#)

[Can I reuse someone else's research data](#)

## COVID-19 related communities

[Need help uploading? Contact us](#)



### Coronavirus Disease Research Community - COVID-19

[Browse](#)[New upload](#)

This community collects research outputs that may be relevant to the Coronavirus Disease (COVID-19) or the SARS-CoV-2. Scientists are encouraged to upload their outcome in this collection to facilitate sharing and discovery of information. Although Open Access articles and datasets are...

**Curated by:** Covid19\_Team\_OpenAIRE

## Featured uploads related to COVID-19

[Want your dataset featured? Contact us](#)

August 12, 2020 (v1.0) **Dataset** **Open Access**

### OpenAIRE Covid-19 publications, datasets, software and projects metadata.

Bardi, Alessia; Kuchma, Iryna; Brobov, Evgeny; Truccolo, Ivana; Monteiro, Elizabete; Casalegno, Carlotta; Clary, Erin; Romanowski, Andrew; Pavone, Gina; Artini, Michele; Atzori, Claudio; Bäcker, Amelie; Baglioni, Miriam; Czerniak, Andreas; De Bonis, Michele; Dimitropoulos, Harry; Foufoulas, Ioannis; Horst, Marek; Iatropoulou, Katerina; Jacewicz, Przemyslaw; Kokogiannaki, Argiro; La Bruzzo, Sandro; Lazzeri, Emma; Löhden, Aenne; Manghi, Paolo; Mannocci, Andrea; Manola, Natalia; Ottonello, Enrico; Shirrwagen, Jochen

This dump provides access to the metadata records of publications, research data, software and projects that may be relevant to the Corona Virus Disease (COVID-19) fight. The dump contains records...

Uploaded on August 27, 2020

August 12, 2020 (v8-10-2020) **Software** **Open Access**

### New York Times Coronavirus (Covid-19) Data in the United States

Albert Sun; Tiff Fehr; Archie Tse; Rachel; Wilson Andrews

This is an archived fork of the New York Times Covid-19 data public repo, created August 10th, 2020. It is purely for archiving and citing purposes for academic publication. All work, credit, and...

Uploaded on August 27, 2020

August 13, 2020 (vv1.0) **Software** **Open Access**

### tsleng93/SocialBubble: SocialBubble

tsleng93; Stefan Flasche

This release contains the underlying code and extended data for the paper "The effectiveness of social bubbles as part of a COVID-19 lockdown exit strategy, a modelling study" by Leng et al.

Uploaded on August 27, 2020

GENERAL

 Home

 About

PUBLISHED

 Published DMPs

 Published Dataset Descriptions

## Welcome to ARGOS

Create, Link, Share Data Management Plans



DMPs  
7

[VIEW ALL](#)



Dataset Descr...  
7

[VIEW ALL](#)



Grants  
7



Related Organ...  
5

### What is ARGOS?

ARGOS is an open extensible service that simplifies the management, validation, monitoring and maintenance and of Data Management Plans. It allows actors (researchers, managers, supervisors etc) to create actionable DMPs that may be freely exchanged among infrastructures for carrying out specific aspects of the Data management process in accordance with the intentions and commitment of Data owners.

### DATA MANAGEMENT PLANS

7 DMPs

[VIEW ALL](#)

### DATASETS

7 Dataset Descriptions

[VIEW ALL](#)

[User Guide](#)

[Glossary](#)

[FAQ](#)

[Terms Of Service](#)

# Two ways to create DMPs or Dataset Descriptions



## Wizard

- Provides an easy workflow
- Includes all essential elements
- Provides guidance through the required steps



## Expert

- Integrates different workflow
- Includes more steps and elements
- Useful to cross-check things before finalizing work

Amnesia — data anonymization

https://amnesia.openaire.eu

EXPLORE PROVIDE CONNECT MONITOR DEVELOP

HOME GET AMNESIA! WHAT IS AMNESIA? DOCUMENTATION ON-LINE VERSION ABOUT

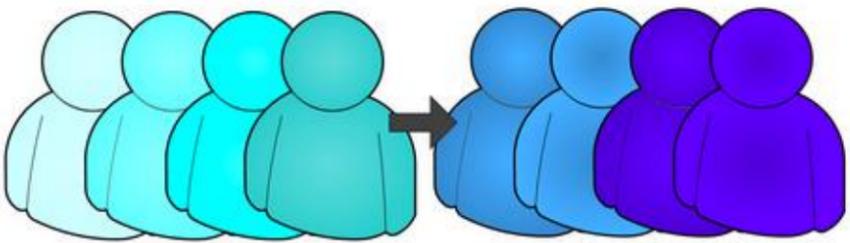


# Amnesia

Amnesia is a data anonymization tool, that allows to remove identifying information from data. Amnesia not only removes direct identifiers like names, SSNs etc but also transforms secondary identifiers like birth date and zip code so that individuals cannot be identified in the data. Amnesia supports  $k$ -anonymity and  $k^m$ -anonymity.

version: 1.2.1 (release date: 11/07/2020)

Follow us on [twitter](#)



<https://amnesia.openaire.eu>

# A deep dive into FAIR data

This website will take you on a deep dive into the subject matter of FAIR research data. Over the course of about two hours, it will show you that FAIR is not a time-consuming administrative mantra, but a set of principles that makes your research efficient, transparent and sustainable. Working in line with the FAIR principles to make your data more FAIR will improve your research data management and safeguard your research data for the future.

The aim here is to explore six key FAIRification practices, and show how they apply to your research. You will meet researchers working across Denmark in different research disciplines who share their thoughts and experiences on how they make their research data more FAIR.

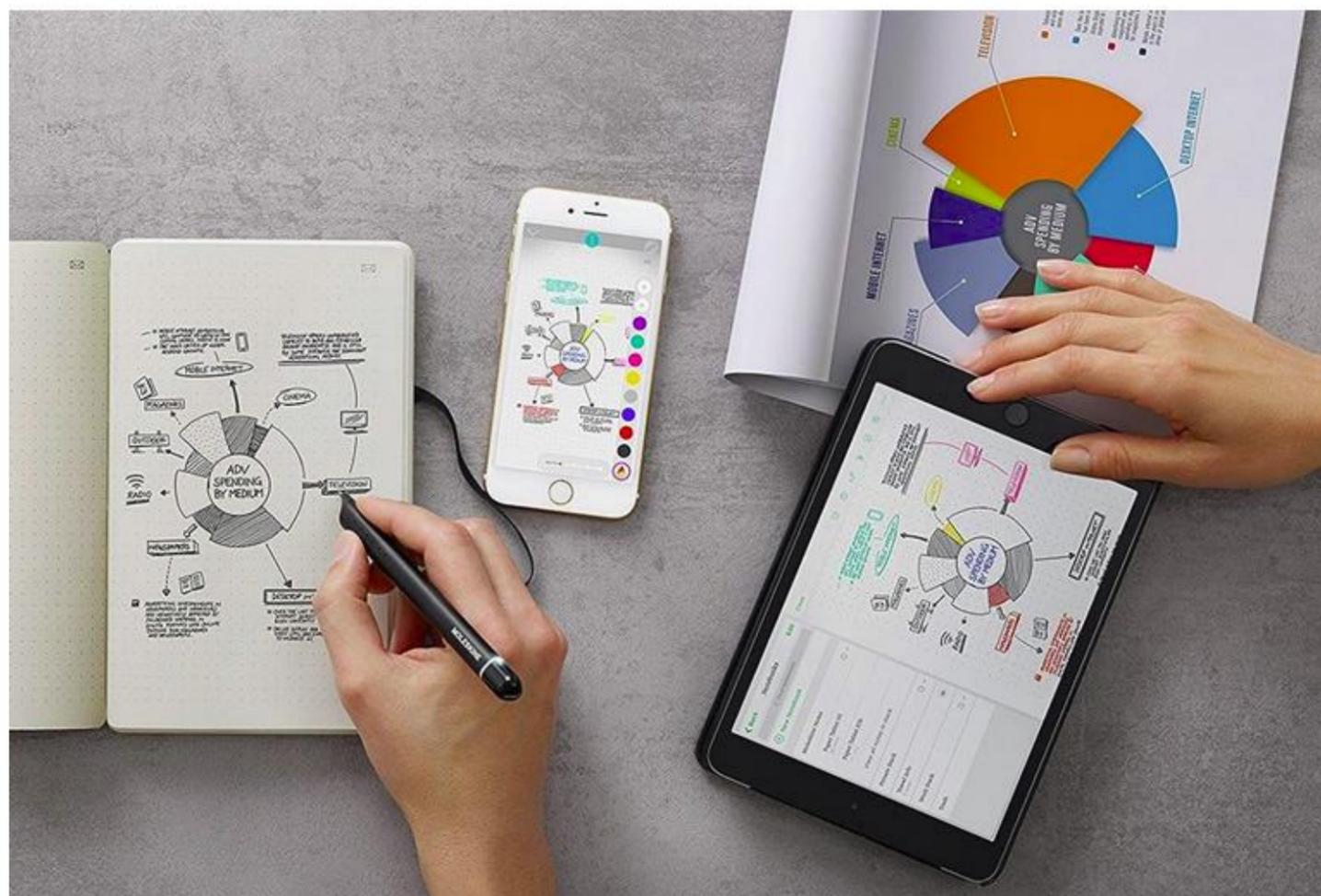


<https://www.openaire.eu/blogs/use-cases-of-institutional-rdm-support-openaire-blog-series>

6 MINUTES READING TIME (1209 WORDS)

# Use cases of Institutional RDM Support - OpenAIRE blog series

country highlights open science skills | Leenarts | 24 Jun 2020 | 1145 Hits | 0 Comments



Search for blogs ... Search

## Categories

- country highlights
- scholarly communication
- infrastructure
- OpenAIRE National Workshops
- policies & funders
- open science skills
- FP7 post-grant OA publishing funds
- EOSC
- presentations & publications
- portal & dissemination

## Popular

- 26 April 2019  
[Open Journal Systems \(OJS\) sets new standards to achieve OpenAIRE compliance with JATS](#)
- 30 December 2018



8 MINUTES READING TIME (1645 WORDS)

# Report: OpenAIRE Legal Policy webinars

scholarly communication presentations & publications open science skills Gwen Franck  
29 May 2020 1244 Hits 0 Comments



This blog is an adaptation of a blogpost first published on the CREATE UK Copyright and Creative Economy

Search for blogs ... Search

## Categories

- country highlights
- scholarly communication
- infrastructure
- OpenAIRE National Workshops
- policies & funders
- open science skills
- FP7 post-grant OA publishing funds
- EOSC
- presentations & publications
- portal & dissemination

## Popular

- 26 April 2019  
Open Journal Systems (OJS) sets new standards to achieve OpenAIRE compliance with JATS
- 30 December 2018



2 MINUTES READING TIME (440 WORDS)

# Institutional Open Access Policies: OpenAIRE National Workshop in Poland

country highlights OpenAIRE National Workshops Natalia Gruenpeter 16 Jun 2020  
713 Hits 0 Comments



Over 90 participants attended the OpenAIRE National Open Access Workshop that took place in Poland on June 8, 2020. The workshop was devoted to **the implementation of open access policies** and served as

Search for blogs ... Search

## Categories

- country highlights
- scholarly communication
- infrastructure
- OpenAIRE National Workshops
- policies & funders
- open science skills
- FP7 post-grant OA publishing funds
- EOSC
- presentations & publications
- portal & dissemination

## Popular

- 26 April 2019  
Open Journal Systems (OJS) sets new standards to achieve OpenAIRE compliance with JATS
- 30 December 2018



2 MINUTES READING TIME (351 WORDS)

# Flemish Open Science Board launched to fulfill European engagement and invest in Open Science

country highlights Emilie Hermans 28 Jan 2020 1280 Hits 0 Comments



Flemish\_OS\_board

The Flemish Open Science Board

Search for blogs ... Search

## Categories

- country highlights
- scholarly communication
- infrastructure
- OpenAIRE National Workshops
- policies & funders
- open science skills
- FP7 post-grant OA publishing funds
- EOSC
- presentations & publications
- portal & dissemination

## Popular

- 26 April 2019  
Open Journal Systems (OJS) sets new standards to achieve OpenAIRE compliance with JATS
- 30 December 2018



# Cooperative Non-APC Publishing Models

0.0/5 rating (0 votes)

Joint AmeliCA/Canadian Research Knowledge Network/Coalition Publica/OpenAIRE webinar

SHARE

**Date(s):** 11 May 2020

Discussion about non-APC strategies, challenges and recommendations and a global collective action. Arianna Becerril-García (Executive Director, [Redalyc](#), Professor, UAEM, Chair, [AmeliCA](#)) talks about AmeliCA - a multi-institutional community-driven initiative supported by UNESCO and led by Redalyc and CLACSO aimed to provide a cooperative, sustainable, protected and non-commercial infrastructure for Open Knowledge. Tanja Niemann (Executive Director, [Érudit](#)) and Jason Friedman (Manager, Member and Metadata Services, [Canadian Research Knowledge Network](#)) talk about [Coalition Publica](#) and the [Partnership for Open Access: Canada's Cooperative Non APC Publishing Model](#). Jean-Claude Guédon discusses the current landscape, challenges, collaborations, "inside-out" libraries (Lorcan Dempsey's vocabulary), and provides recommendations about fostering a richer bibliodiversity and ensuring publication and access equality for all. And Iryna Kuchma (EIFL Open Access Programme Manager, OpenAIRE) presents the [OpenAIRE report Towards Sustainable Cooperative and Non-APC Publishing Model](#).

[OA to publications](#) | [open access](#) | [policy](#)

## Upcoming Webinar

No events

**Support**

**RESOURCES**

- [Open Science Primers](#)
- [Guides](#)
- [Factsheets](#)
- [Use cases](#)

**HELPDESK**

- [FAQs](#)
- [Ask a Question](#)

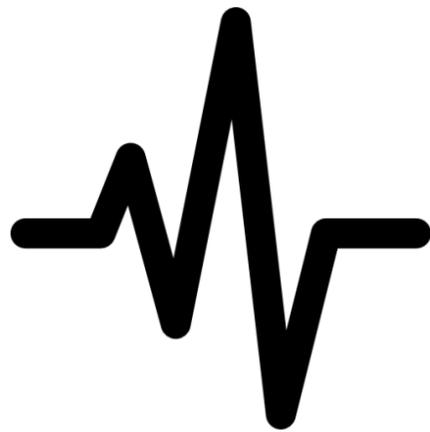
**TRAINING**

- [Webinars](#)
- [Workshops](#)
- [Community of Practice](#)
- [Content Providers](#)
- [Community Calls](#)

# Citizen Science Activities

Schools  
Seismograph  
Network

**Seismic Data**



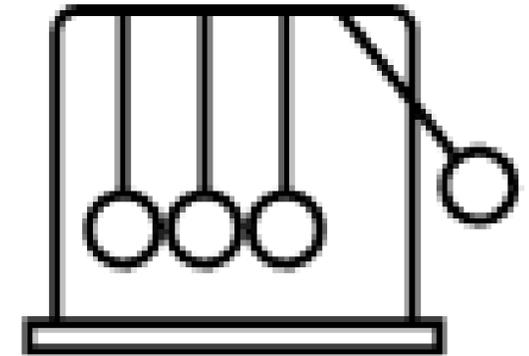
Open Schools  
Journal for  
Open Science

**Open Science Journal**



Bringing  
Nobel Prize  
Physics  
to Classroom

**Access Research Data**



# Integration with OpenAIRE Services

## Journal Articles

- Assigned DOI
- Indexed on OpenAIRE
- Findability
- Accessibility
- Interoperability
- Reusage



# New discovery!

## Κυνήγι Εξωπλανητών

Ανδρέας Βατίστας Βατίστας, Θανάσης Βασιλαίνας Βασιλαίνας, Εμμέλεια Βουτιέρου, Φωτεινή-Μαρία Δραβίλλα, Γιώργος Καλπαξής, Ρένια Μενέγου, Παναγιώτης Μιχάλαϊνας, Ιάσωνας Παυλόπουλος, Δήμητρα Πίνα, Θωμάς Πιτσαργιώτης, Γιώργος Τσακίρης, Στέλιος Φραγκουδάκης, Δρ. Σωτήριος Τσαντίλας Views: 64 Downloads: 41

DOI: <https://doi.org/10.12681/osj.22398>

## Abstract

Από το 2009 το διαστημικό τηλεσκόπιο Kepler καταγράφει τις μικρές ελαττώσεις (εκλείψεις) στο φως μακρινών αστέρων που οφείλονται στη διάβαση (transit) πλανητών από μπροστά τους. Σκοπός μας είναι να εντοπίσουμε πλανήτες σε τροχιά γύρω από μακρινά άστρα από τα δεδομένα της αποστολής Kepler, χρησιμοποιώντας τη Μέθοδο των Διαβάσεων με τη βοήθεια δύο προγραμμάτων που έχει γράψει η ομάδα μας σε γλώσσα C. Εφόσον εντοπιστούν και επιβεβαιωθούν οι διαβάσεις, προχωρούμε στην ανάλυση των χαρακτηριστικών του πλανήτη: Ακτίνα, κλίση, απόσταση από το αστέρι, και κυρίως αν βρίσκεται στη λεγόμενη «κατοικήσιμη ζώνη» πράγμα που θα κάνει δυνατή τη διατήρηση ζωής. Λόγω του πολύ μικρού μεγέθους των πλανητών σε σχέση με το αστέρι τους, ο εντοπισμός αυτός είναι εξαιρετικά δύσκολος. Παρόλα αυτά έχουμε ήδη εντοπίσει έναν τέτοιο εξωπλανήτη σε τροχιά γύρω από τον αστέρα KIC 1432789 τα χαρακτηριστικά του οποίου ανέλυσε η ομάδα μας για πρώτη φορά.

Since 2009, Kepler Space Telescope has been recording small reductions (eclipses) in the light of distant stars due to the transit of planets in front of them. Our goal is to detect planets in orbit around distant stars from Kepler's mission data, following the Reading Method using two programs written by our team in programme language C. If the readings are detected and confirmed, we proceed to their analysis. characteristics of the planet: Ray, inclination, distance from the star, and especially if it is in the so-called "habitable zone" which will make it possible to maintain life.

**However, we have already identified such an exoplanet in orbit around the star KIC 1432789, the characteristics of which our team analyzed for the first time.**

# Thank you!

[iryna.kuchma@eifl.net](mailto:iryna.kuchma@eifl.net)

**@irynakuchma**

