Practising Open Science: OpenAIRE's Perspective

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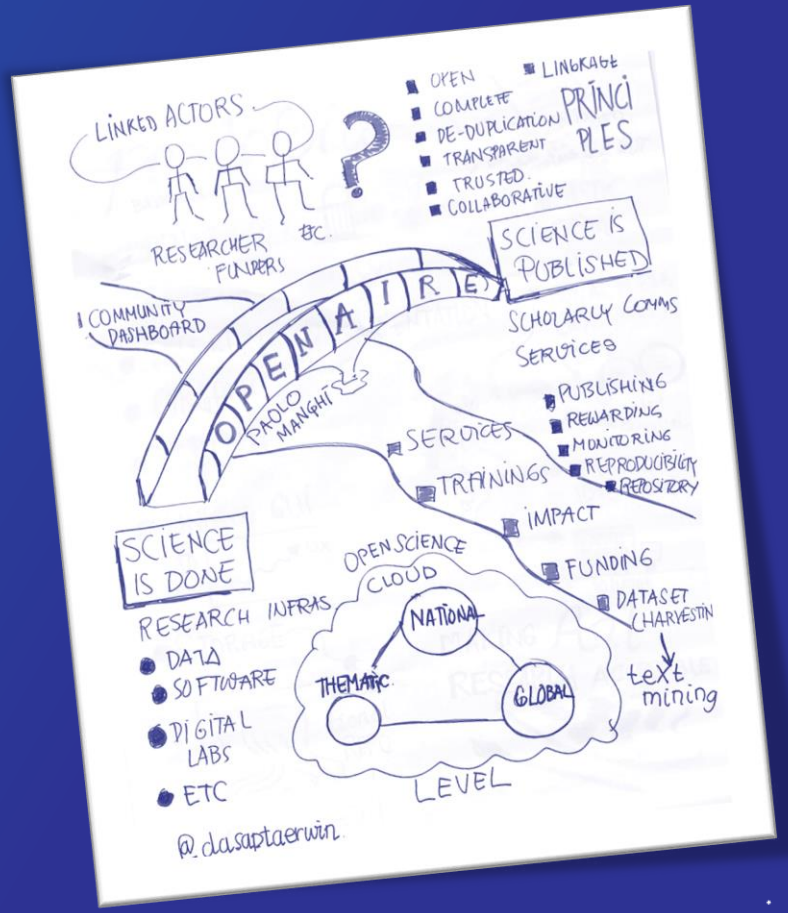
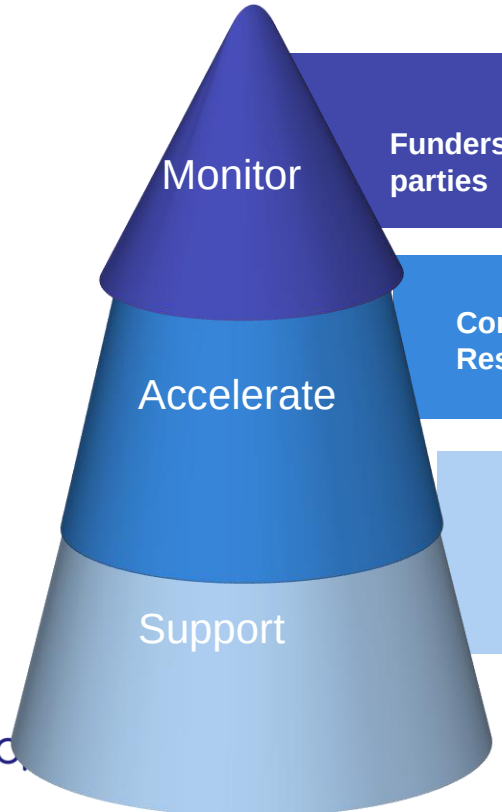
Bridging the worlds where science is performed and science is published



Services for all actors



Funders, institutions, RIs, initiatives, 3rd parties

Research Analytics

Funder Monitoring Dashboard

APIs

Content providers, Research Infras

OpenAIRE PROVIDE

Scholexplorer

Interoperability Guidelines

Validator

Usage Analytics

OA Broker

Researchers, scientists

OpenAIRE EXPLORE

zenodo

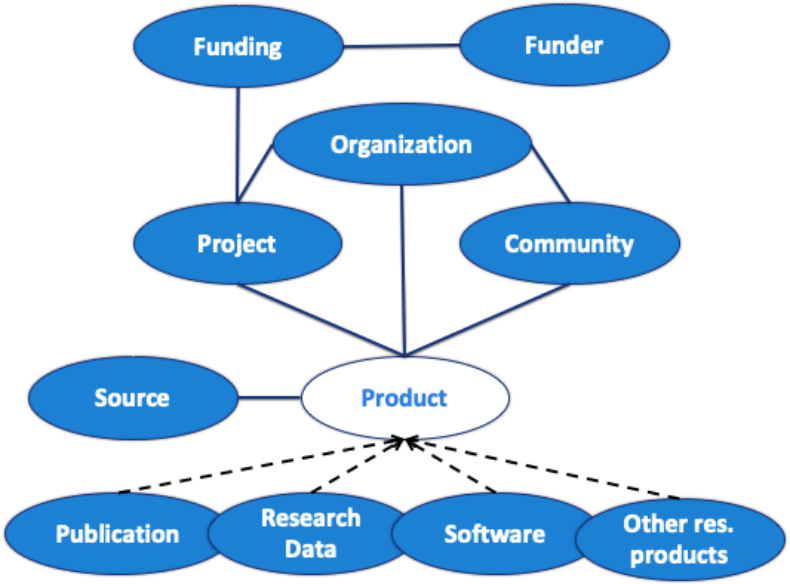
OpenAIRE CONNECT

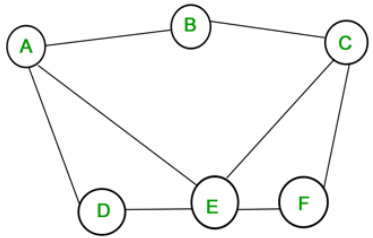
amnesia

ARGOS

Training

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

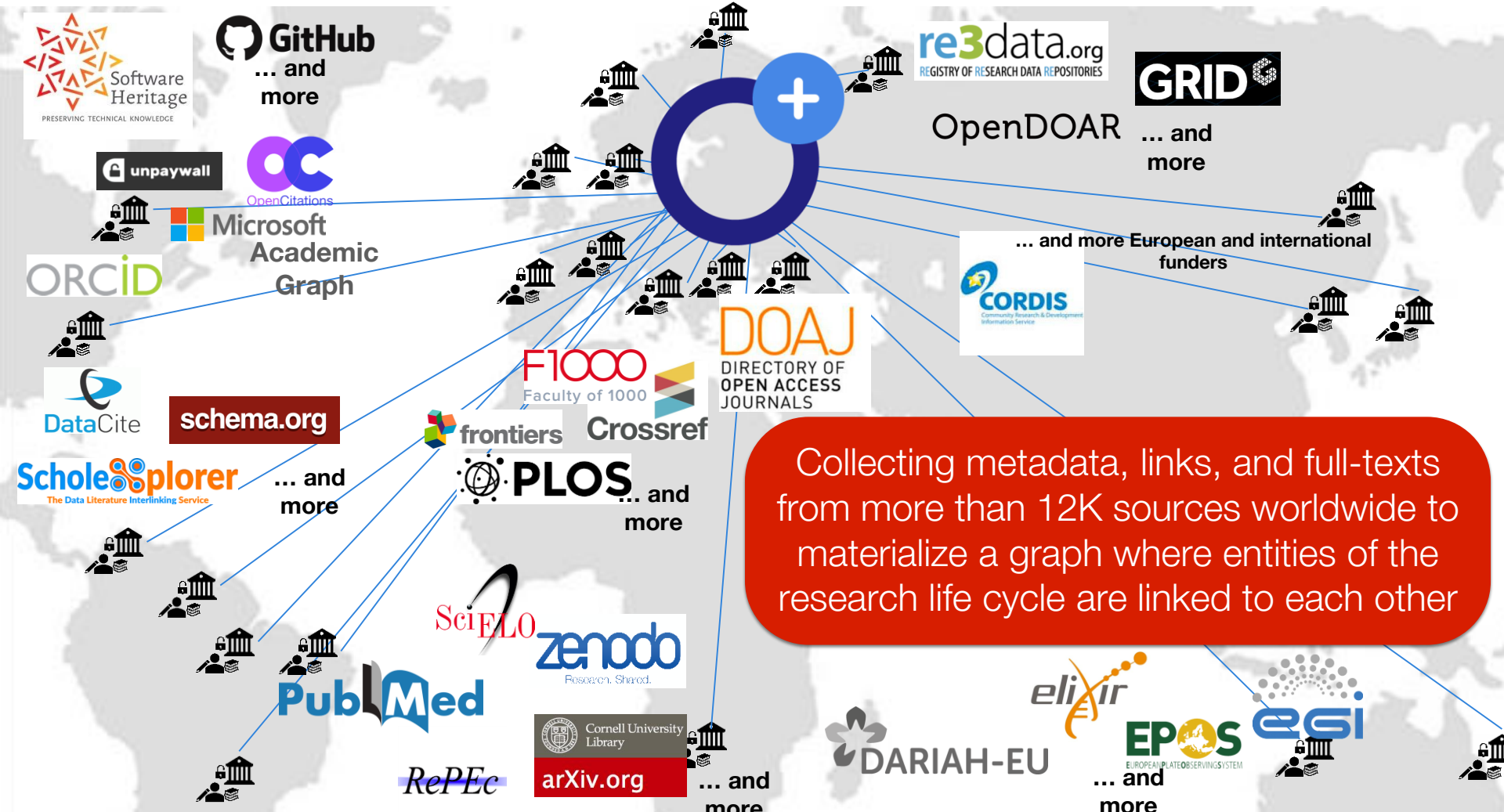




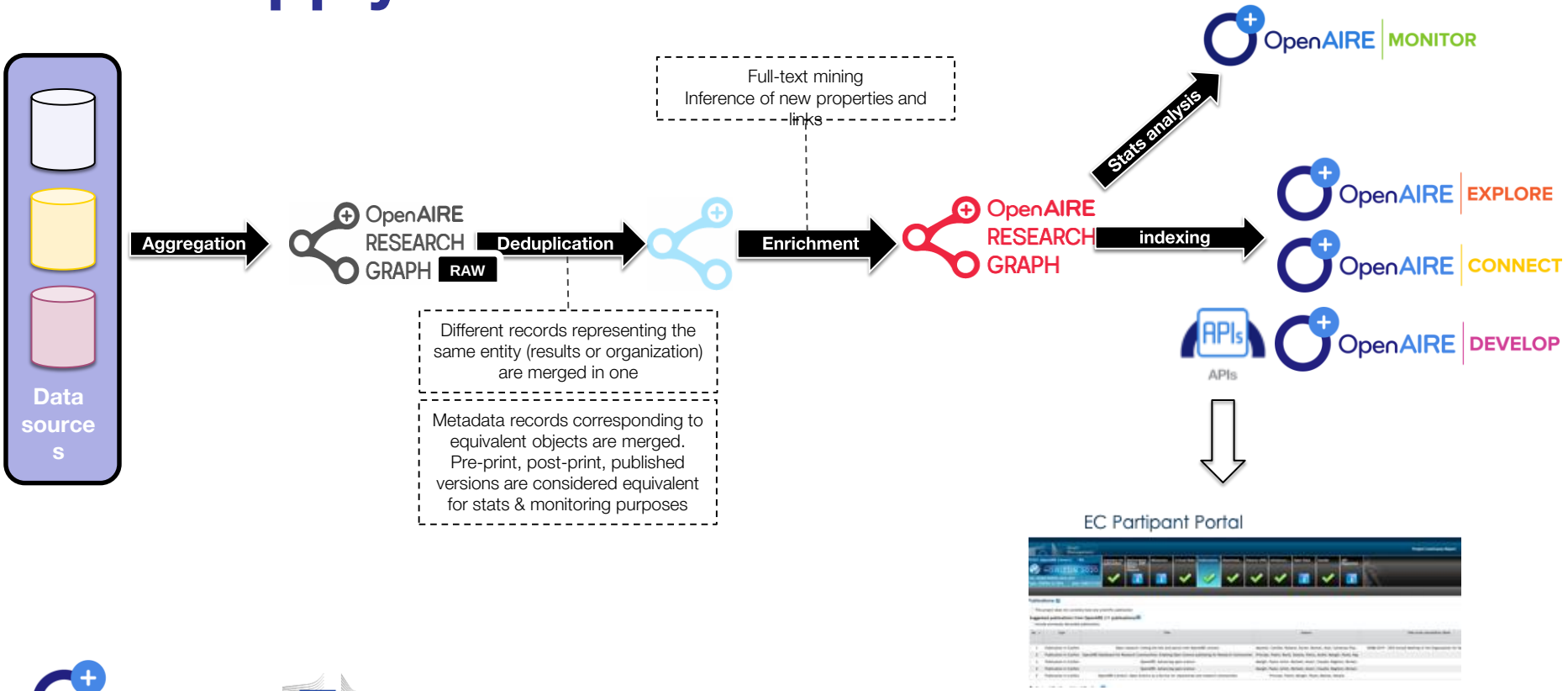
Graph: model for the representation of information

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.

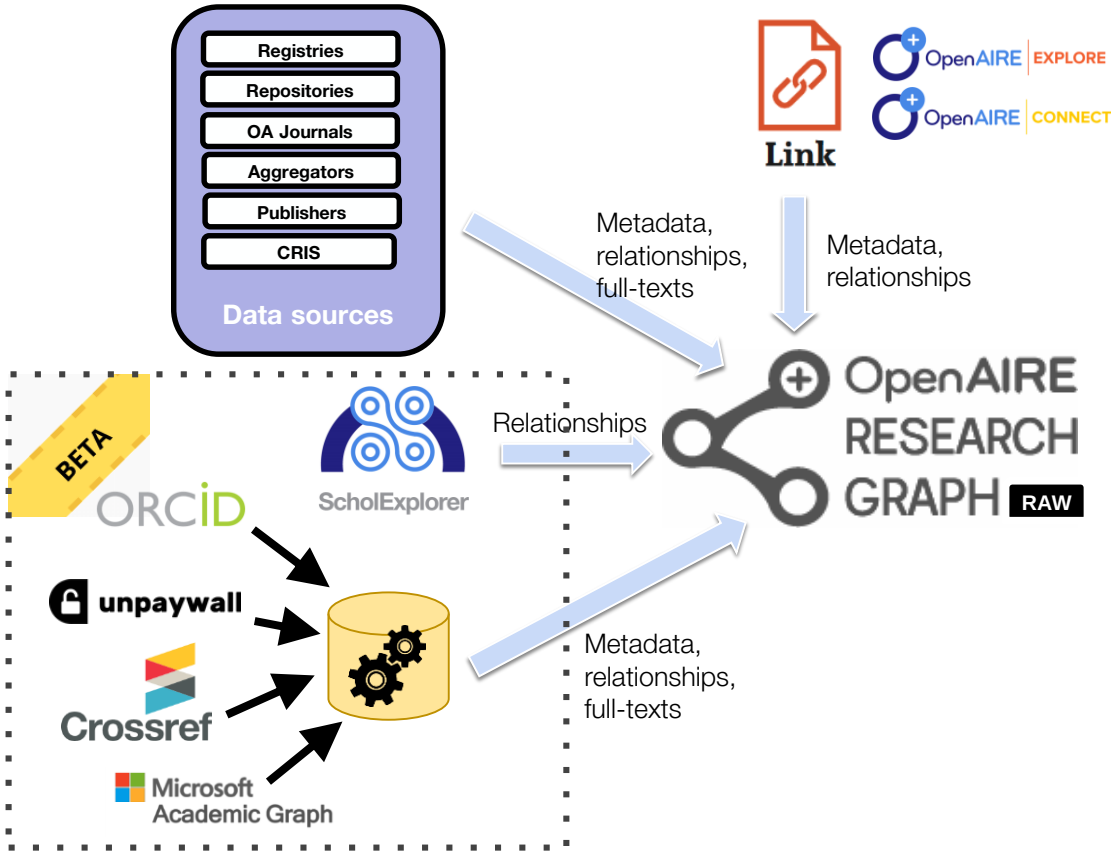

Software Heritage
PRESERVING TECHNICAL KNOWLEDGE
GitHub
... and more
re3data.org
REGISTRY OF RESEARCH DATA REPOSITORIES
GRID
OpenDOAR
... and more
unpaywall
OpenCitations
Microsoft Academic Graph
ORCID
... and more European and international funders
CORDIS
DOAJ
DIRECTORY OF OPEN ACCESS JOURNALS
F1000
Faculty of 1000
Crossref
DataCite
schema.org
frontiers
PLOS
ScholeXplorer
The Data Literature Interlinking Service
... and more
... and more
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
SciELO
zenodo
Research. Shared.
PubMed
Cornell University Library
arXiv.org
RePEc
DARIAH-EU
elixir
EPOS
EUROPEAN PLATE OBSERVING SYSTEM
egi
... and more
... and more

OpenAIRE Research Graph the supply chain



Aggregated data sources

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



Registries: data sources offering authoritative lists of entities

Registries of researchers

ORCID

Registries of organizations

GRID

CORDIS

and other funders

Registries of projects

FCT Fundação para a Ciência e a Tecnologia

CORDIS

ACADEMY OF FINLAND

NWO

Science Foundation Ireland sfi For what's next

Australian Government Australian Research Council

and other funders

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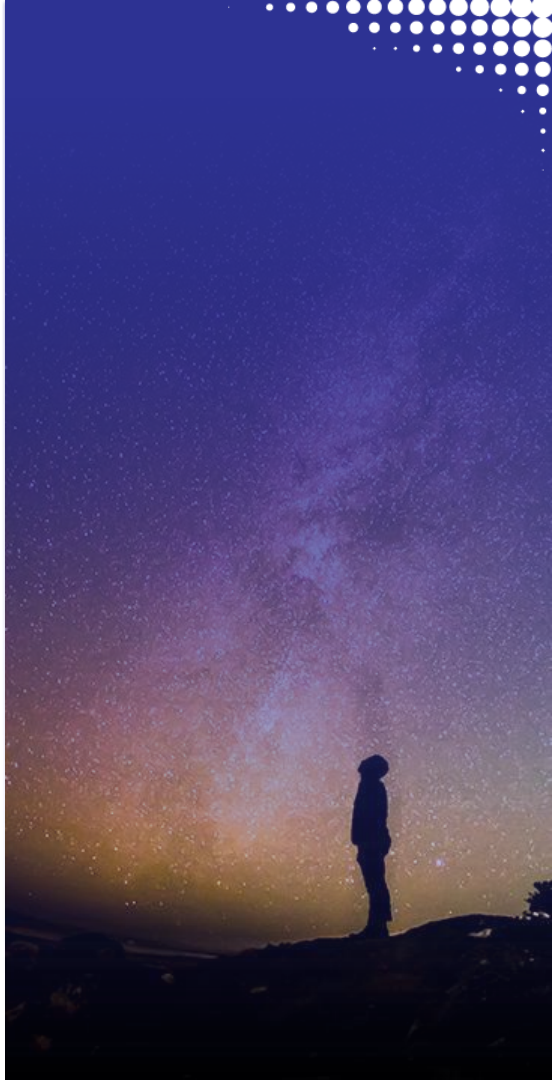
Registries of data sources

re3data.org REGISTRY OF RESEARCH DATA REPOSITORIES

OpenDOAR

DOAJ DIRECTORY OF OPEN ACCESS JOURNALS

+ journal lists from publishers



OpenAIRE Provide

Services for content providers (repository and CRIS managers, journal publishers)

one stop shop for all OpenAIRE content providers

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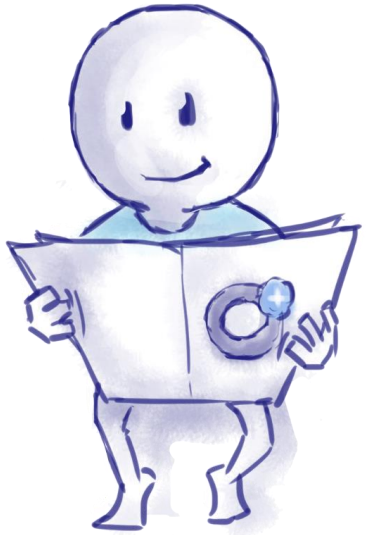
OpenAIRE Content Provider Dashboard

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.

OpenAIRE Guidelines



OpenAIRE Guidelines to expose your metadata in order to integrate with OpenAIRE infrastructure.
https://guidelines.openaire.eu/en/latest/

Content Acquisition policy

Literature, Datasets, Software, other research products
OpenAIRE accepts the metadata records of all scientific products whose structure respect the model and semantics as expressed by the OpenAIRE guidelines.

Open Access and non-Open Access material will be included and links to other products will be resolved where this is possible.
https://www.openaire.eu/data-aquisition-policy

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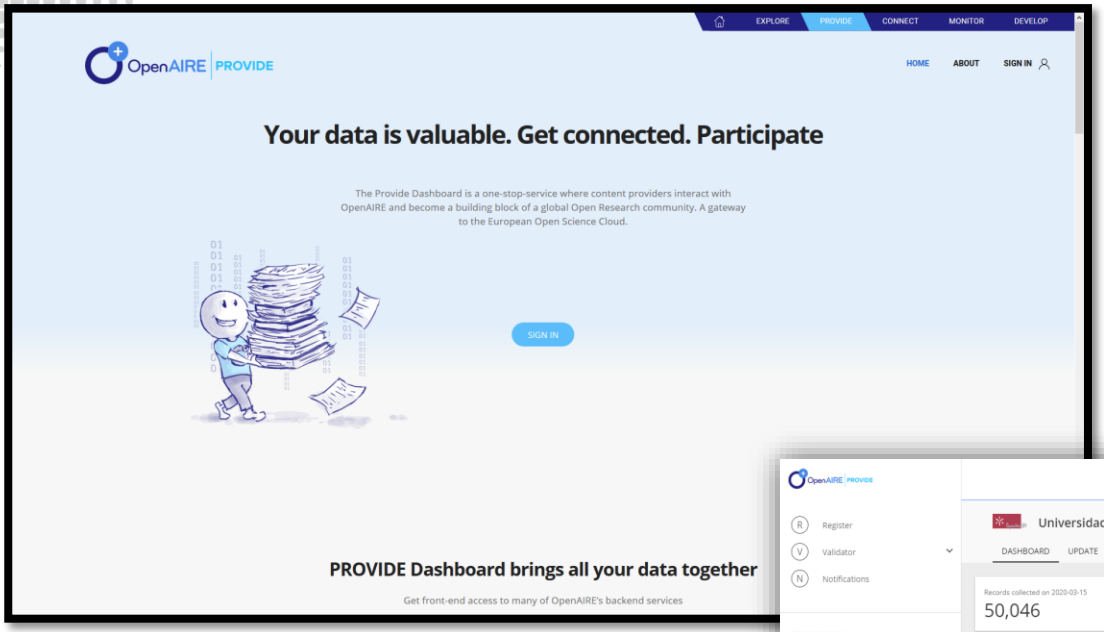
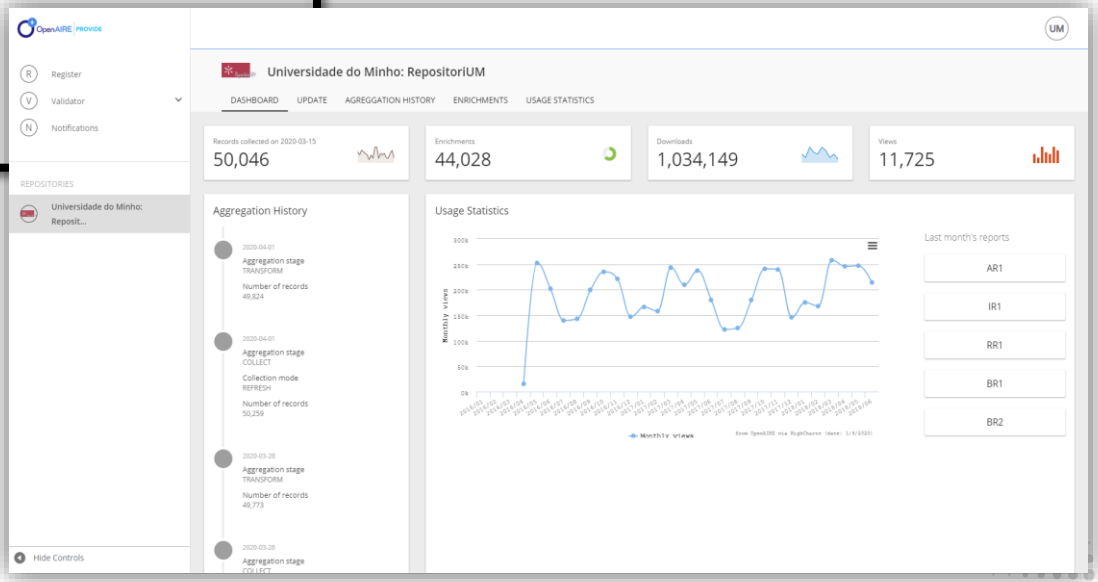




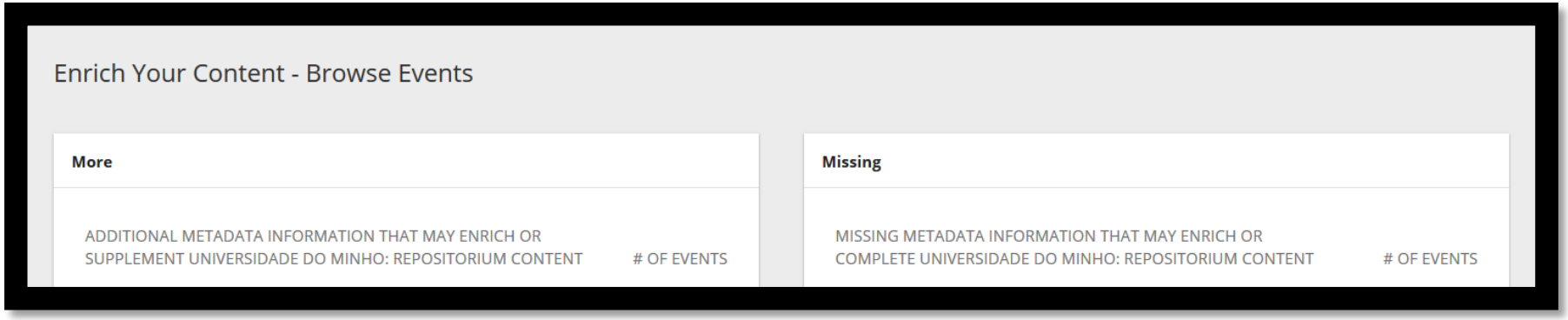
https://provide.openaire.eu

Added-value services On top of the Research Graph

ENRICH

Improve your metadata.
Get more connections

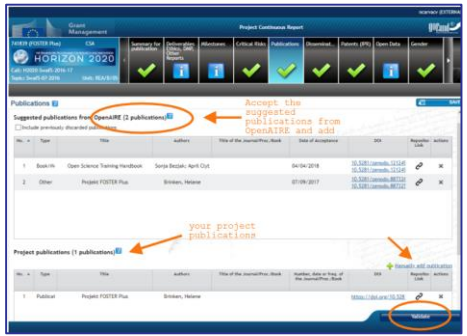
OA Broker service offers a wealth of information on scholarly communication data. Find out what interests you and subscribe to enrich your records.



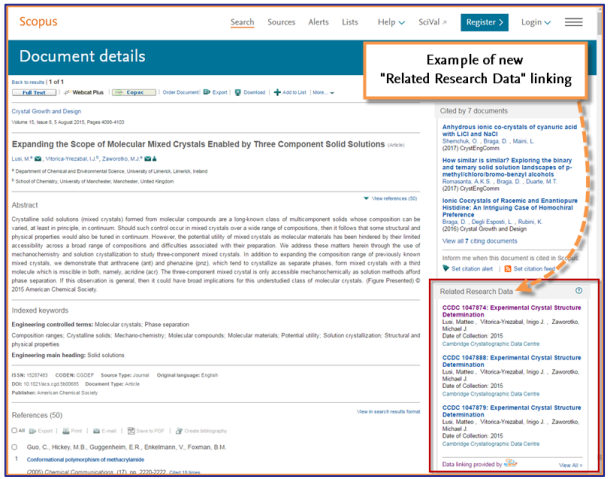
OpenAIRE | PROVIDE

Integration with third-party services

EC SYGMA



Scopus



ORCID

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Feed

ORCID

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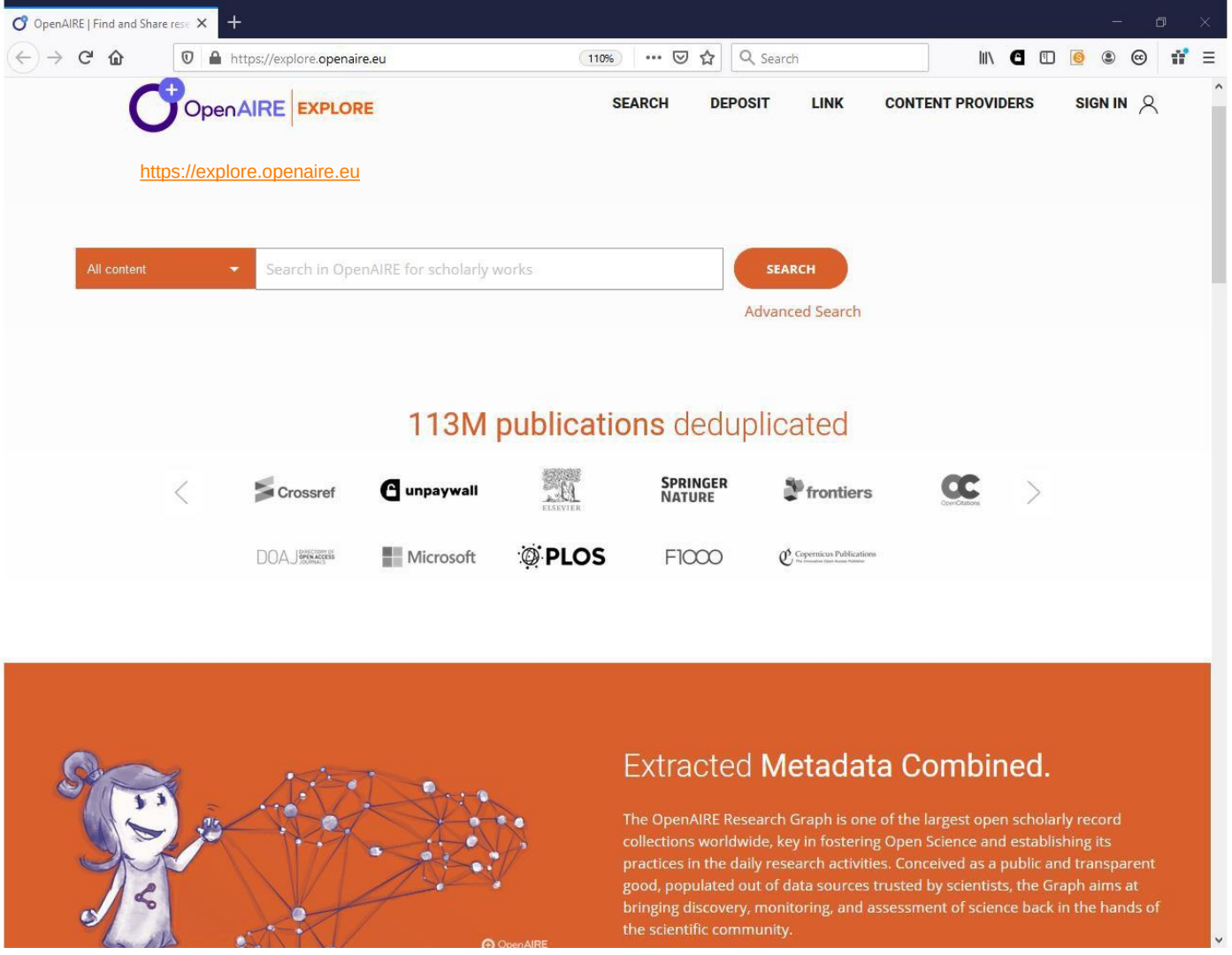
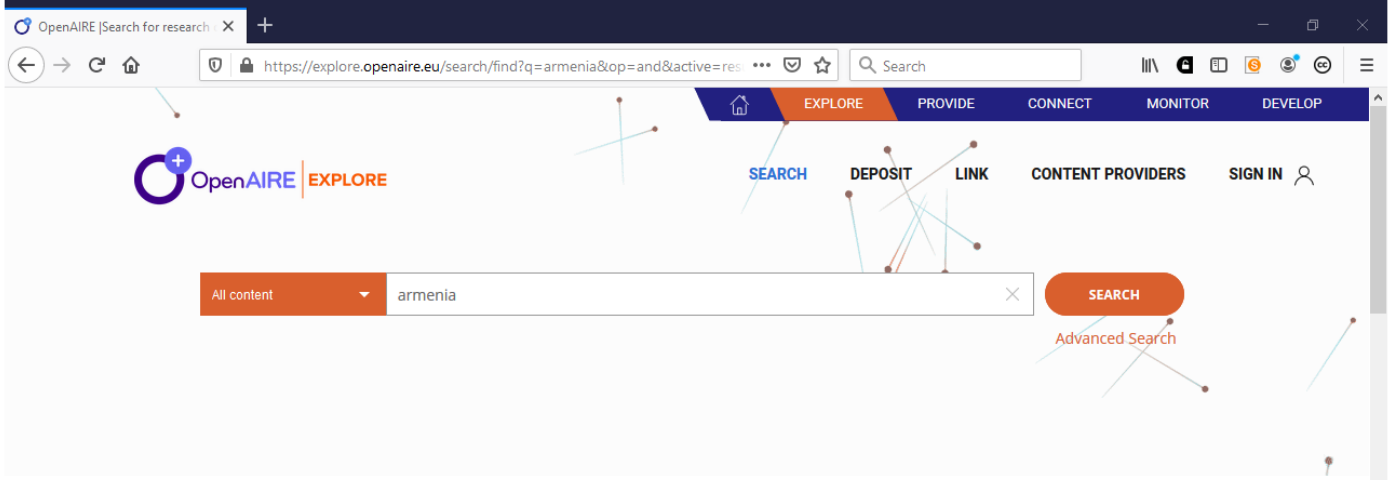
Open APIs and Dumps

https://develop.openaire.eu

Supporting third-parties at building added-value services


OpenAIRE | Find and Share res
https://explore.openaire.eu
110%
Search
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
Crossref
unpaywall
ELSEVIER
SPRINGER NATURE
frontiers
OpenCitations
DOAJ
Microsoft
PLOS
F1000
Copernicus Publications
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.



RESEARCH OUTCOMES (13,766) PROJECTS (119) CONTENT PROVIDERS (5) ORGANIZATIONS (42)

Filters

Open Access

Results per page: 10

Sort by: Relevance

Download Results

Access Mode (1) Clear

Open Access (13,766)

Research Type (4)

- Publications
- Research data
- Software
- Other research products

Year range

13,766 RESEARCH OUTCOMES, PAGE 1 OF 1,377

1 2 3 4 5

Publication . Report . 2012

Armenia : World Bank Country Survey FY 2013

OPEN ACCESS ENGLISH

Authors: World Bank;

Publisher: Washington, DC

This country survey for FY2013 in Armenia was designed to achieve the following objectives: assist the World Bank in gaining a better understanding of how stakeholders in Armenia perceive the Bank; obtain systematic feedback from stakeholders in Armenia regarding: their...

IPERA
https://explore.openaire.eu/search/project?projectId=corda_____::1a60f
Search

Project . 2011 - 2014 . Closed

IPERA

Integrating the Institute for Physical Research of the National Academy of Sciences of the Republic of Armenia into ERA

EUROPEAN COMMISSION

Funder: **European Commission** Project code: 295025 Call for proposal: FP7-INCO-2011-6

Funded under: FP7 | SP4 | INCO

Status: Closed

Start Date	End Date
01 Dec 2011	30 Nov 2014

Detailed project information (CORDIS) →

Open Access mandate

Publications: No Research Data: No

LINK THIS PROJECT TO...
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16

SUMMARY | PUBLICATIONS 19 | RESEARCH DATA 0 | SOFTWARE 0 | OTHER RESEARCH 0 | STATISTICS

Recent Publications

VIEW ALL →

Publication . Preprint . Article . 2017

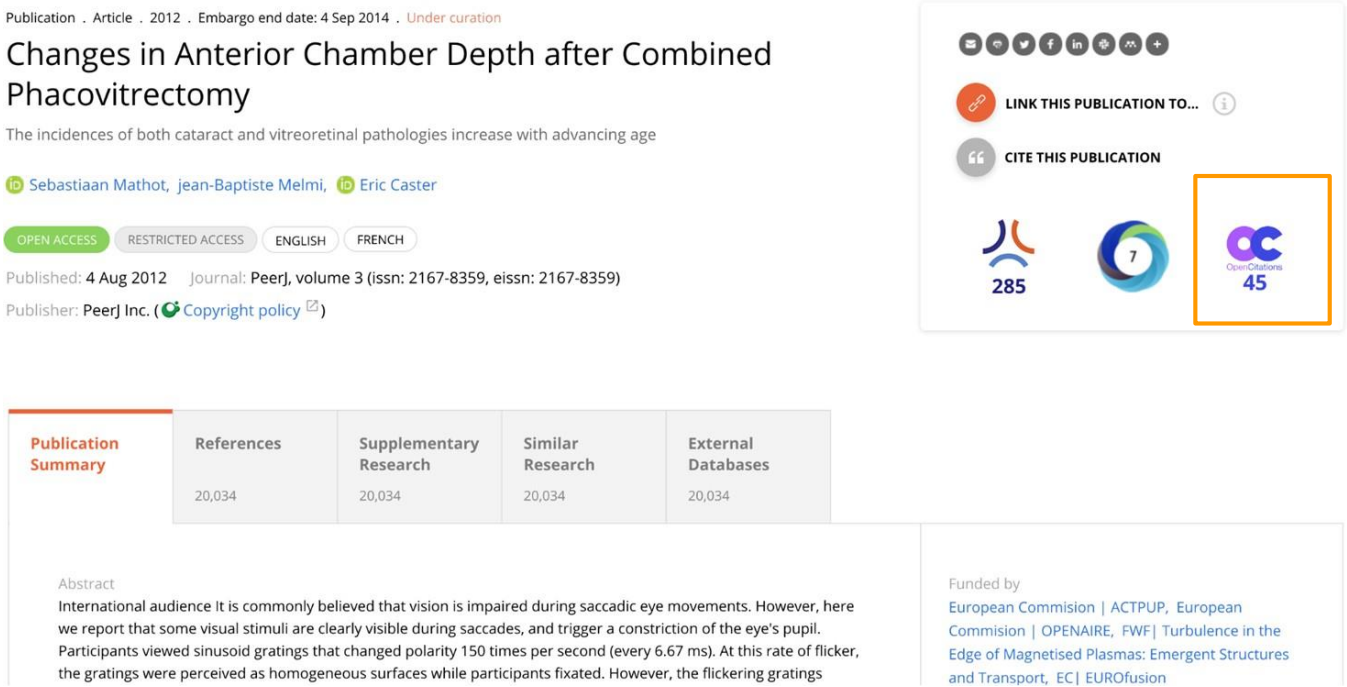
Adiabatic tracking for photo- and magneto-association of Bose-Einstein condensates with Kerr nonlinearities

OPEN ACCESS ENGLISH

Authors: Mariam Gevorgyan; Stéphane Guérin; Claude Leroy; Artur Ishkhanyan; Hans-Rudolf Jauslin;

DOI: 10.1140/epjd/e2016-70396-9

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

Sebastiaan Mathot, jean-Baptiste Melmi, 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

OpenCitations 45

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

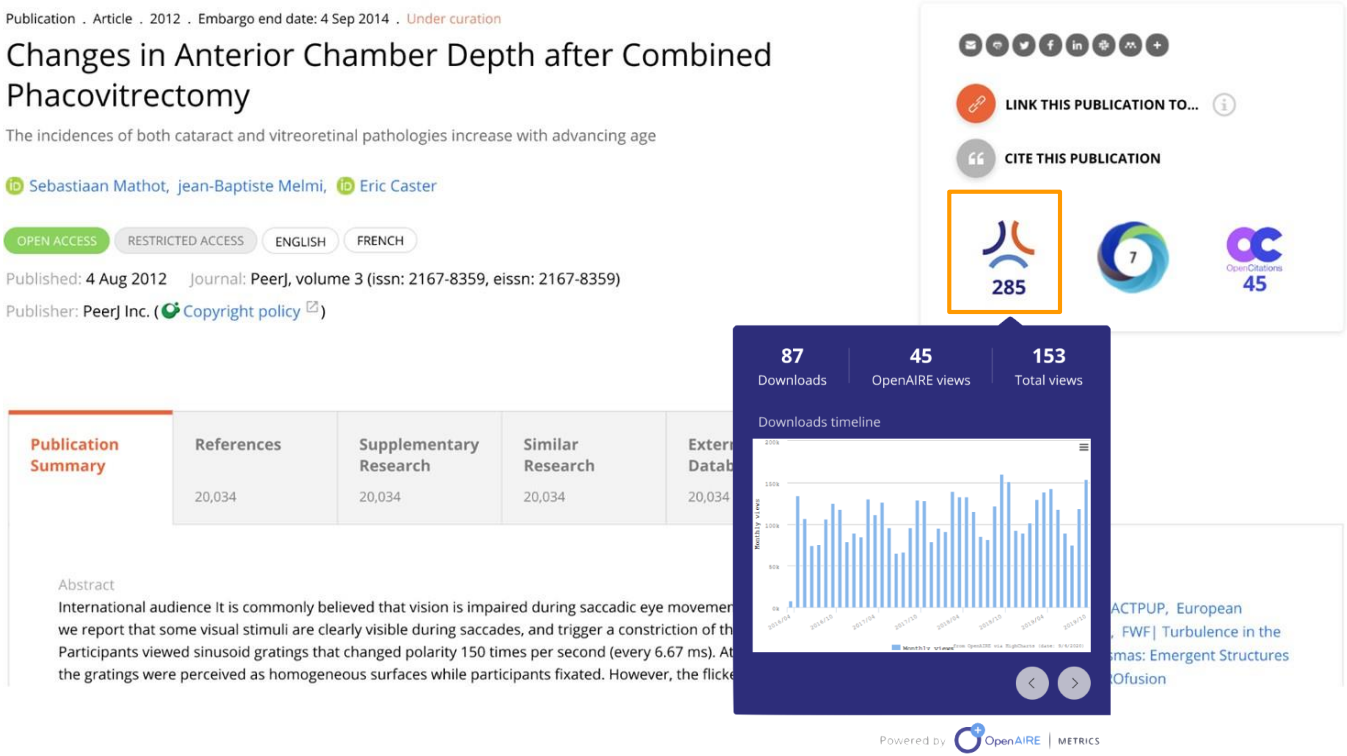
Abstract

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 Commision | ACTPUP, European Commision | OPENAIRE, FWF| Turbulence in the Edge of Magnetised Plasmas: Emergent Structures and Transport, EC| EUROfusion

Metrics visualization improvement



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ABOUT COMMUNITIES JOIN

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.

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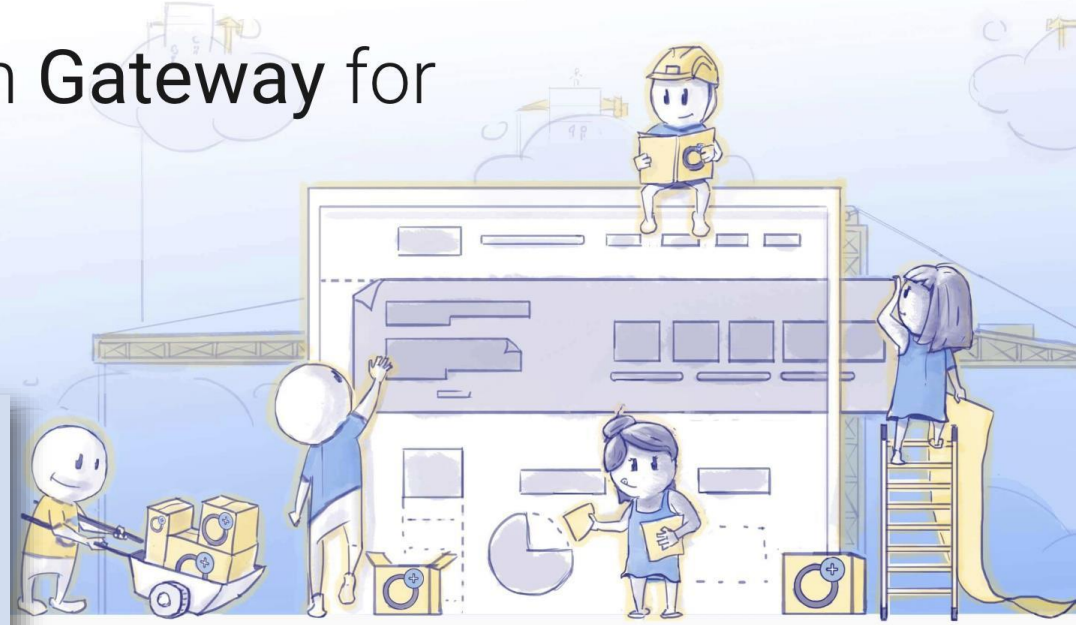

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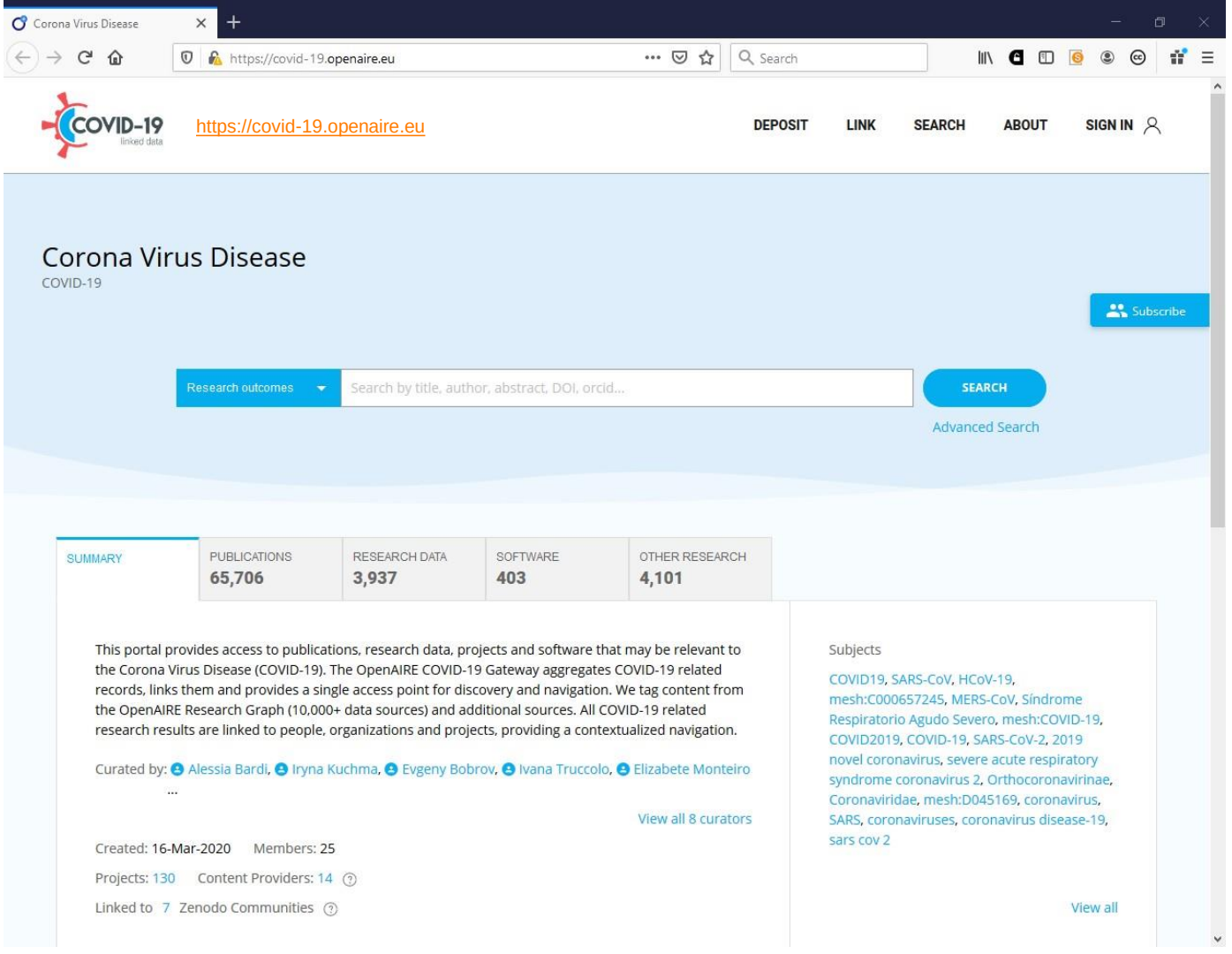
Corona Virus Disease
https://covid-19.openaire.eu
Search
COVID-19
linked data
https://covid-19.openaire.eu
DEPOSIT
LINK
SEARCH
ABOUT
SIGN IN
Corona Virus Disease
COVID-19
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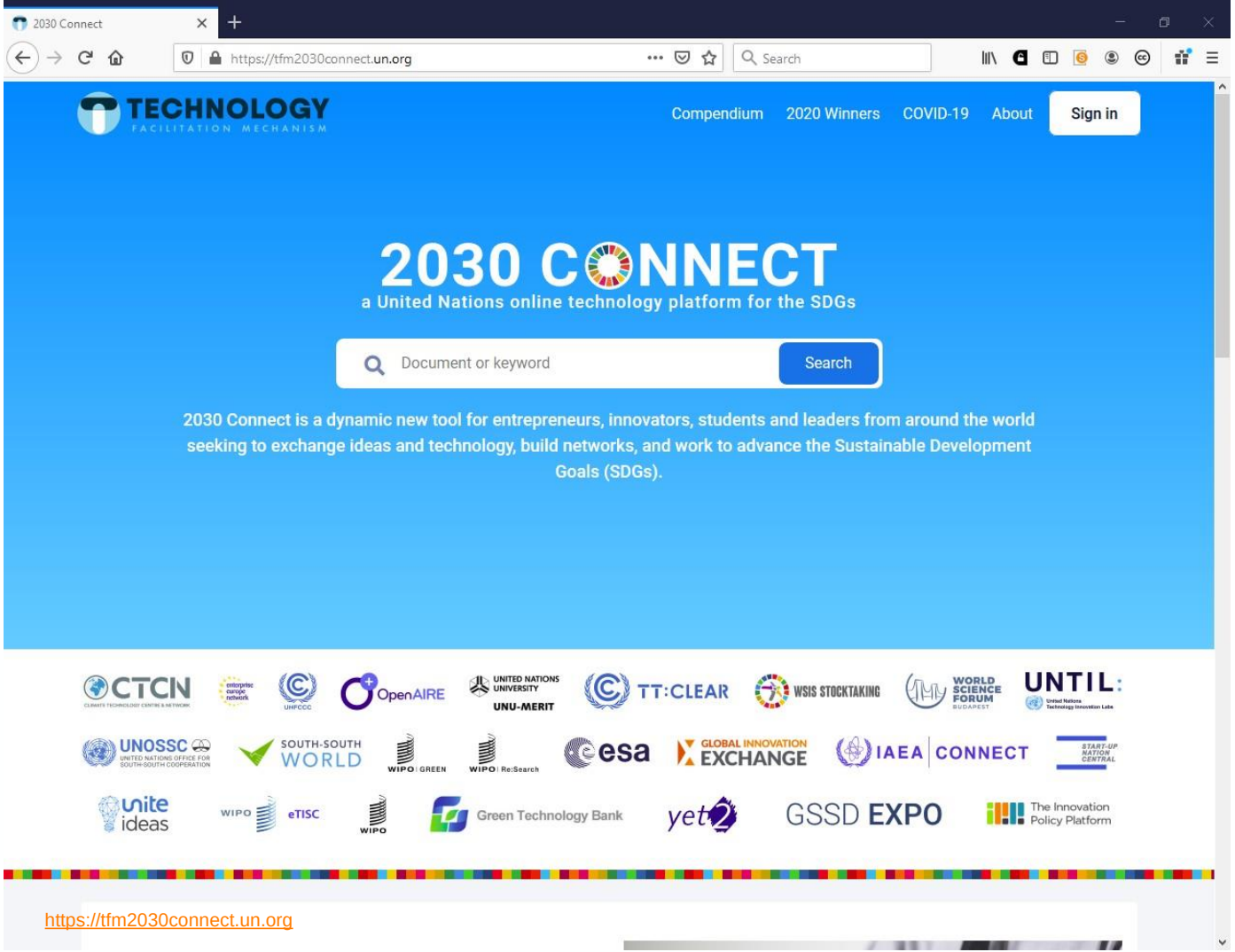
Research outcomes
Search by title, author, abstract, DOI, orcid...
SEARCH
Advanced Search
SUMMARY
PUBLICATIONS
65,706
RESEARCH DATA
3,937
SOFTWARE
403
OTHER RESEARCH
4,101
This portal provides access to publications, research data, projects and software that may be relevant to the Corona Virus Disease (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



https://tfm2030connect.un.org

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

Zenodo - Research. Shared.

https://zenodo.org

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zenodo

Search

Upload Communities

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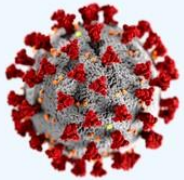
COVID-19 related communities

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

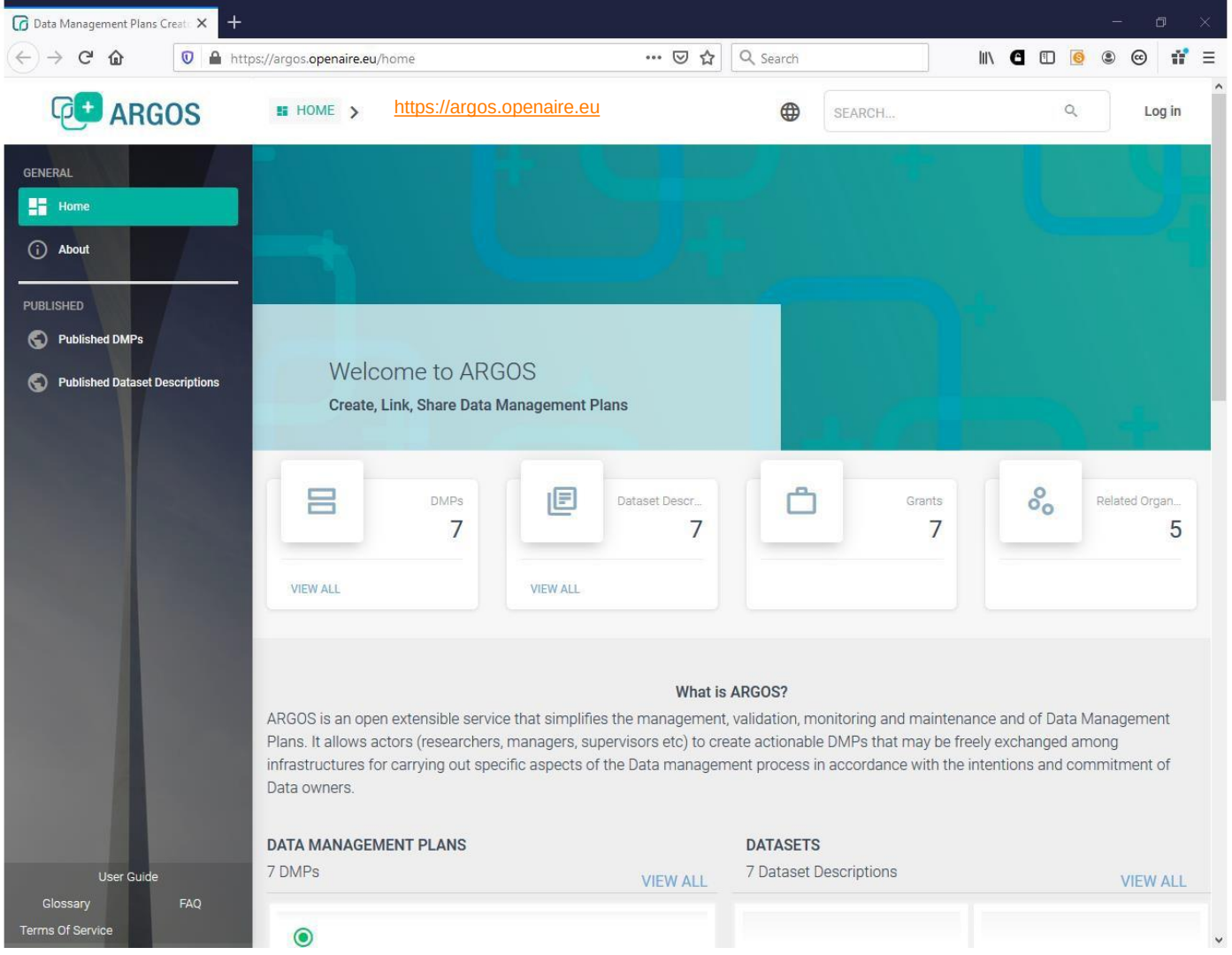
August 13, 2020 (vv1.0) Software Open Access

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


Data Management Plans Creat
https://argos.openaire.eu/home
Search
ARGOS
HOME
https://argos.openaire.eu
SEARCH...
Log in
GENERAL
Home
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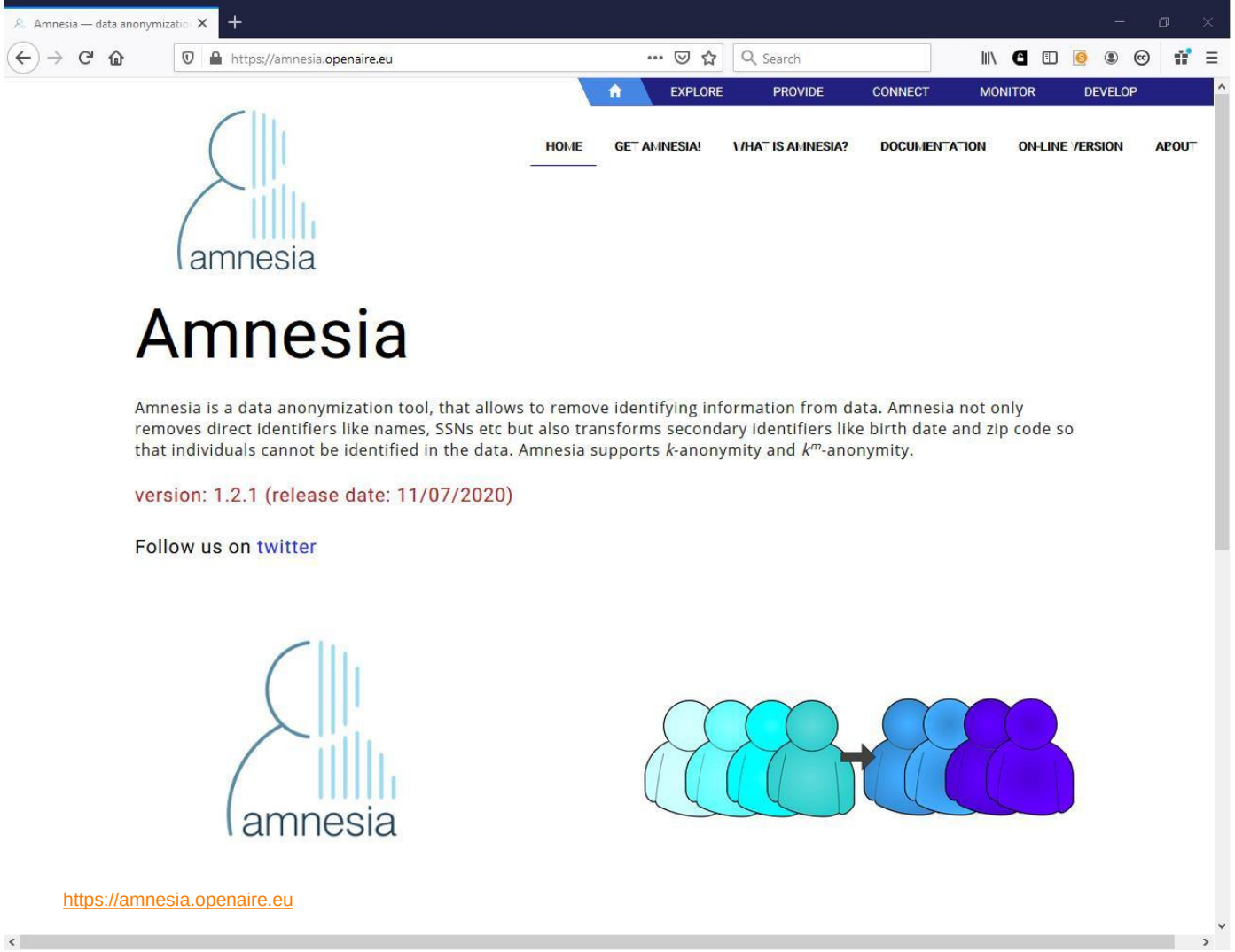
PUBLISHED
Published DMPs
Published Dataset Descriptions
Welcome to ARGOS
Create, Link, Share Data Management Plans
DMPs
7
VIEW ALL
Dataset Descr...
7
VIEW ALL
Grants
7
Related Organ...
5
What is ARGOS?
ARGOS is an open extensible service that simplifies the management, validation, monitoring and maintenance 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


Amnesia — data anonymizatio
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amnesia
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)
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Citizen Science Activities

Schools Seismograph Network

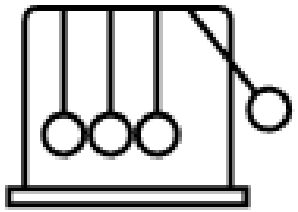
Seismic Data

Open Schools Journal for Open Science

Open Science Journal

Bringing Nobel Prize Physics to Classroom

Access Research Data

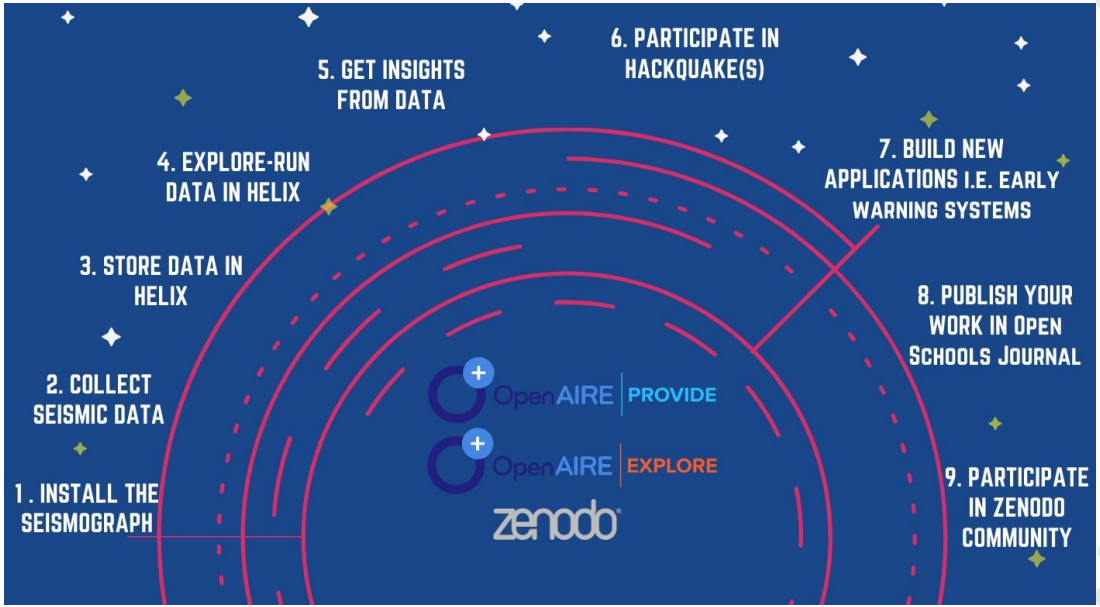


OpenAIRE

Integration with OpenAIRE Services

Journal Articles

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



OpenAIRE

New discovery!

Κυνήγι Εξωπλανητών

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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.

OpenAIRE

Who is OpenAIRE

34 National Open Access Desks

Organizations experts in OA

Regional / Topical Experts

4 regional coordinators
3 topical coordinators

e-Infrastructure / e-Science Service Providers

Infrastructure experts
Metadata experts
Big data technologists
Text & data analytics experts

Legal Experts

IPR
Data privacy

Data Communities

EU Research Infrastructures

Citizen Science

Schools
Citizen science groups

Open Innovation

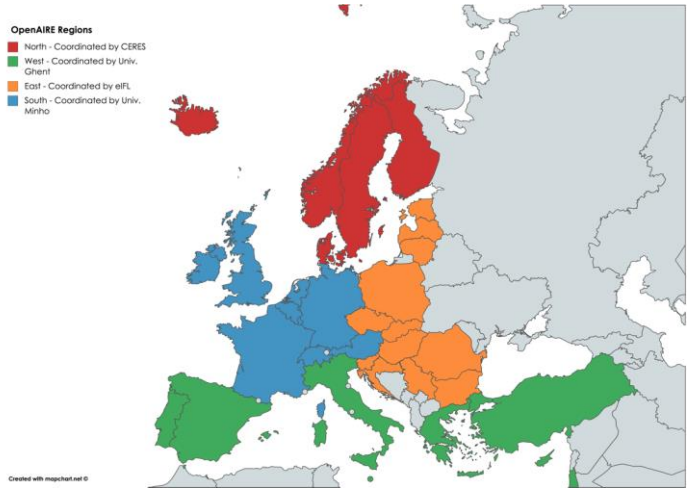
Industrial cluster facilitators
Innovation management coordinators

OpenAIRE

National Open Access Desks (NOADs)

Facts

- Research is global, support is local
- Diversity in culture & maturity of national/local infras
- Not one size fits all in OA and open science



Our pan-European network

⇢ 34 countries

Key national organizations

⇢ 4 area coordinators

OpenAIRE

European Commission

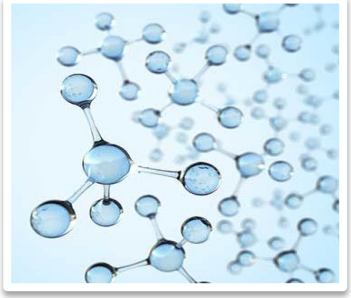
International outreach

What we support

OS policies

- Harmonization for policy makers
- Training
- Support

Infrastructure



- Interoperability
- Setup
- Connectivity
- Repositories

Open Research Data

- FAIR
- Open data
- Tools
- Legal
- Compliance

OA to publications

- Guides
- Tools/repositories
- Licenses
- Compliance

OpenAIRE

Open Access Basics

An Open Access primer to get you started

An RDM Handbook

A primer on managing your research data

Toolkit for Policy Makers on Open Science and Open Access

Read more

Content providers

Making your repository Open

Follow the OpenAIRE Guidelines

Follow the OpenAIRE Usage Statistics Guidelines

Funders

Why OpenAIRE Monitor

How to join OpenAIRE

Monitor Dashboard - *Coming soon!*

Research Administrators

OS Policy Checklist for RFOs

OS Policy Checklist for RPOs

Model Policy on OS for RFOs

Model Policy on OS for RPOs

Guides for OpenAIRE services

Deposit your research outcomes
For researchers
Zenodo

Anonymize your data
For researchers
Anonymization

Report your publication and data to the EC
For project coordinators
Search & Share

Claim a publication or data to your funding
For researchers
Search & Share

Link literature & data
For content providers
ScholExplorer

Create, Link & Share DMPs
For researchers
ARGOS

Research Community Gateway
For researchers
CONNECT

Content Enrichment
For Repository Managers
OA Broker

Track the usage activity of your repository
For content providers
Usage Analytics

Register & Validate your repository
For content providers
Validator

Use cases

of OpenAIRE services for different stakeholders

Enhancing research outputs in Serbia

Service use case

New

API integration in RCAAP - Portuguese OA Repositories

Service use case

Enabling OS publishing for RIs: EPOS use case

Service use case

Matchbook: service to spark scientific collaboration

Service use case

Viper: the visual project explorer

Service use case

Data2Paper: Scholix integration

Service use case

Developing a national interoperable project catalogue in Croatia

Service use case

VIRTA: Finnish Publication Information Service

Service use case

OJS: new standards to achieve OpenAIRE compliance with JATS

Service use case

Collaborations made easy using HADDOCK and Zenodo

Researcher use case

Open Science Management at ISCTE-IUL

Research manager use case

Stay tuned!

Thank you!

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