

**Pedro Príncipe**  
University of Minho

**Iryna Kuchma**  
EIFL

**Ilaria Fava**  
Göttingen State and University Library

# OpenAIRE Services for Open Science



<https://www.openaire.eu>



# OpenAIRE: Supporting Open Science scholarly communication

- **Foster and encourage** the shift of scholarly communication towards Open Science
- **Monitor** Open Science scholarly communication
- **Support** Open Science publishing



Citizen Scientist



Research admins



Researchers



Content providers



Research communities



Funders



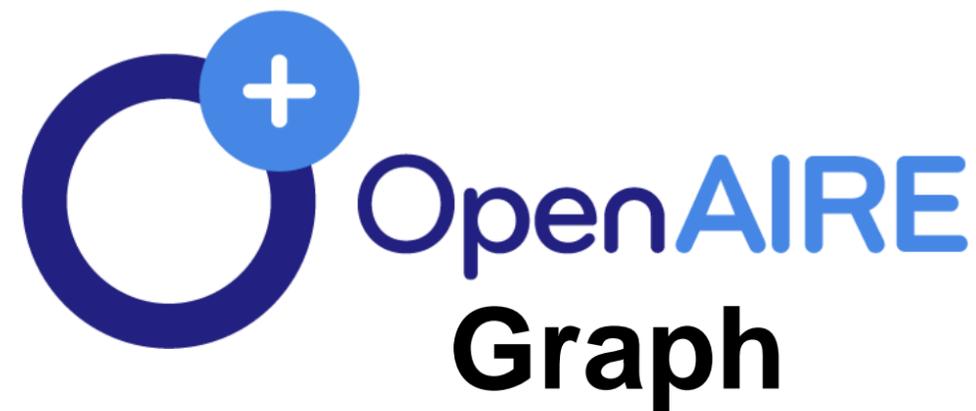
SMEs



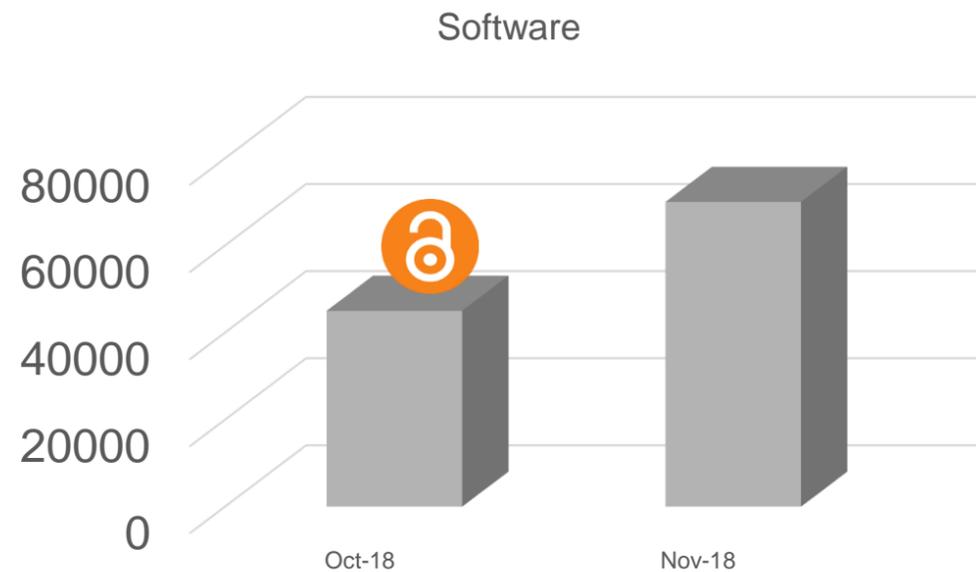
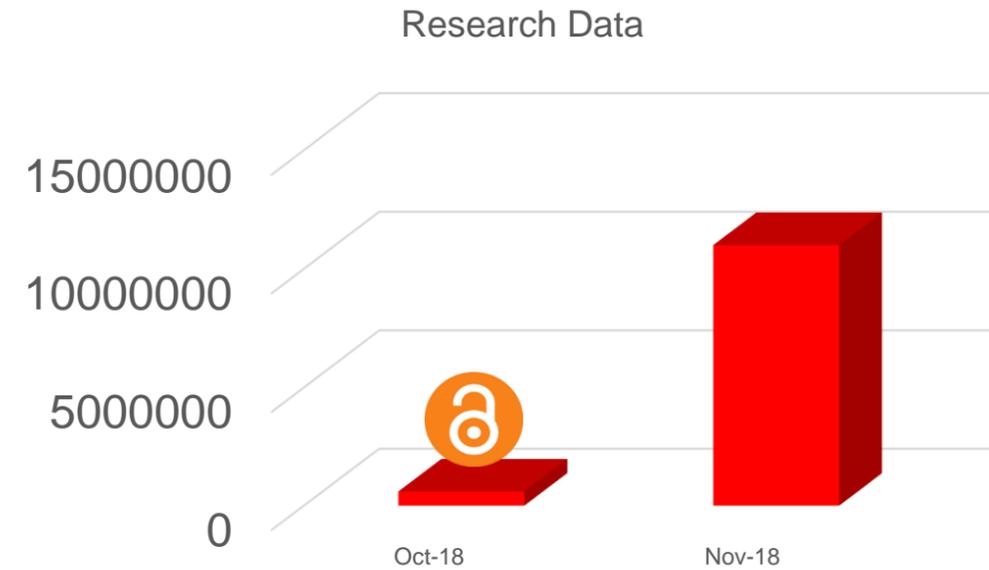
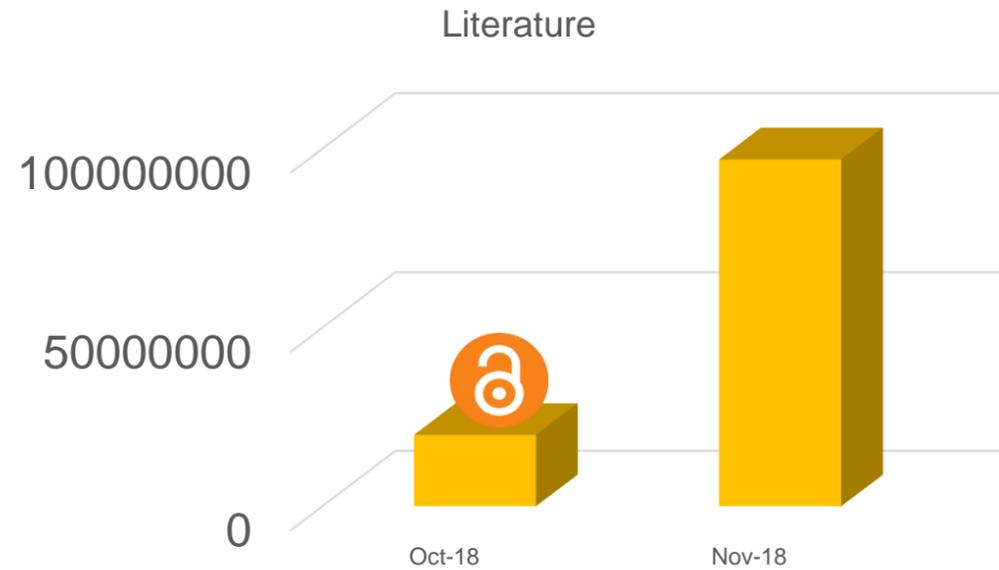
Research Organization

# The OpenAIRE scholarly communication graph

Building and maintaining an **open metadata** scholarly communication graph of interlinked **scientific products**, in turn linked to **Open Access information**, **funding information** and **community views**



# Content acquisition policy transition: from Oct 2018 to November 2018



# Content: October 2018 (OA bias from previous CAP)

- Publications (20,997,018)
  - OA, non-OA with links to projects
- Research data (606,183)
  - OA with links to publications
- Software (45,507)
  - OA, non-OA with links to projects
- Other products (2,910,663)
  - OA, non-OA with links to projects
  - Under “cleaning”

# Content: November 2018 (numbers from testing)

- Publications (100,000,000)
  - CrossRef, Unpaywall, DOAJ, publication repositories, national/thematic aggregators
- Research data (10,000,000)
  - DataCite, RI repositories, publication repositories
- Software (70,000)
  - Research Software Repositories, publication repositories
- Other products (2,000,000)
  - Data repositories, publication repositories, other product repositories

# Key to Open Science uptake: **services for all**



Provide standards, **tools** and **services** for Open Science implementation and ensure their uptake on a global level.

# 15+ Services

From basic infrastructure level  
to value added





Search & Share



Publish OA



OpenAIRE | **MONITOR**



OA Broker



Validator



Research Analytics



Institution Monitoring Dashboard



OpenAIRE | **CONNECT**



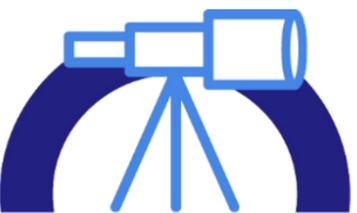
Helpdesk



Usage Analytics



Funder Monitoring Dashboard



Open Science Observatory



OpenAIRE | **EXPLORE**



APIs



Interoperability Guidelines



easyDMP



Anonymization



OpenAIRE | **PROVIDE**



Zenodo



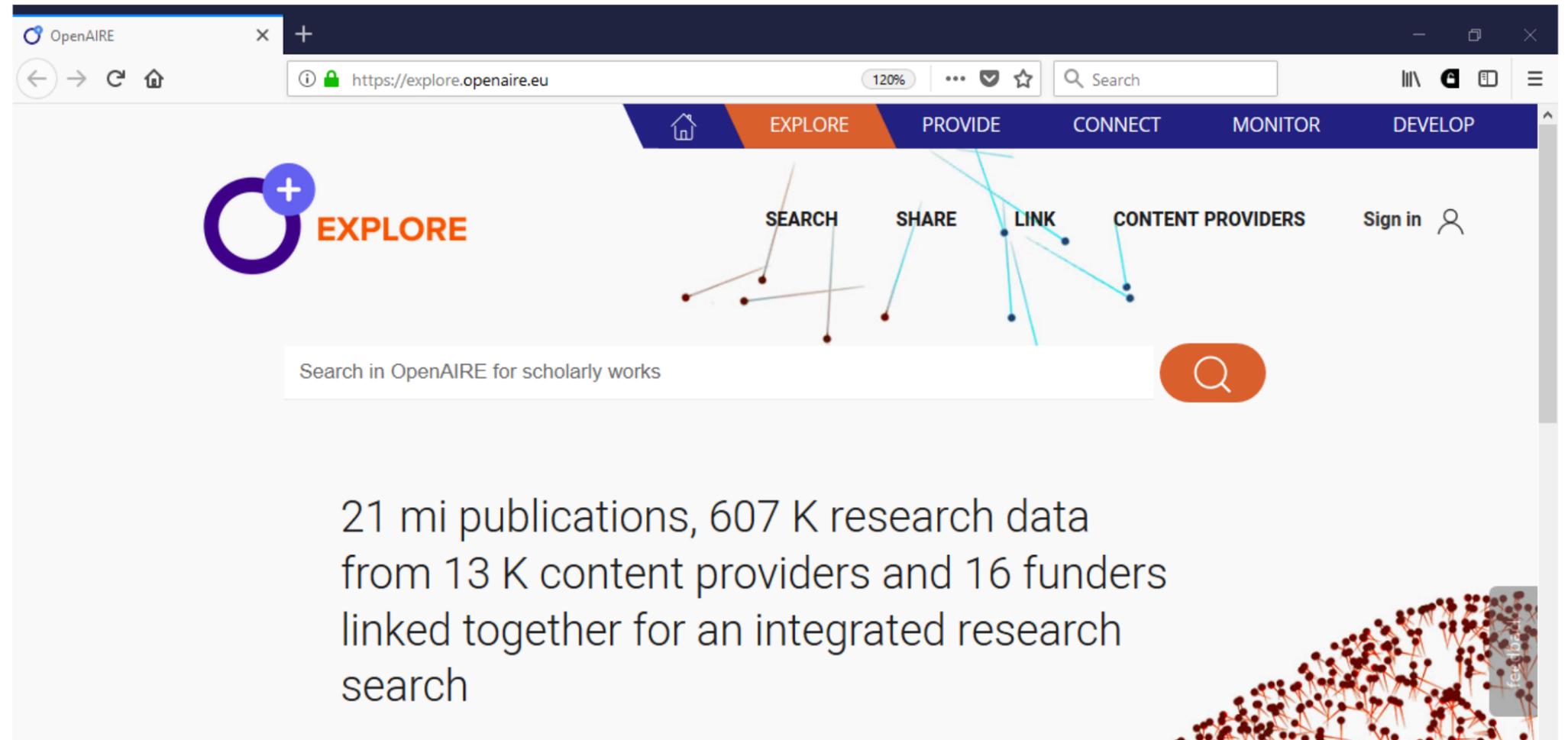
Training



OpenAIRE | **DEVELOP**

# Explore: Search for scholarly works. Link your research

<https://explore.openaire.eu>



**Explore**

Discover linked open research

Search for publications, datasets, software and other research



**Share**

Deposit in a repository of your choice

Select an OpenAIRE compatible



**Link**

Connect all your research

If you can't find your research results in OpenAIRE, don't worry!





EXPLORE

PROVIDE

CONNECT

MONITOR

DEVELOP



EXPLORE

SEARCH

SHARE

LINK

CONTENT PROVIDERS

Sign in



Advanced search for publications

Search for research results, projects, content providers & organizations in OpenAIRE



Publications

Research Data

Software

Other Research Products

Projects

Content Providers

Organizations

Funder

European Commission (278,058)  
National Institutes of H... (193,963)  
National Science Foun... (174,572)  
Wellcome Trust (60,948)  
Research Council UK (49,069)

[View more](#)

Project

Programs on Critical Pr... (1,751)  
COLLMOT (1,128)  
HIPEAC (1,035)  
XSEDE: eXtreme Scien... (1,014)  
EUROfusion (955)

[View more](#)

Publication Date

2014 (1,561,616)  
2015 (1,560,802)  
2016 (1,493,292)  
2013 (1,416,163)  
2012 (1,315,445)

[View more](#)

Access Mode

Open Access (2...)  
Restricted (259...)  
Closed Access

feedback



Explore

Discover linked open research



Share

Deposit in a repository of your choice



Link

Connect all your research



# AUTONET2030

Co-operative Systems in Support of Networked Automated Driving by 2030 (610542)

Project EC

Funding: FP7 | SP1 | ICT

Start Date: 2013-11-01

End Date: 2016-10-31

Open Access mandate: no

Organization: [ARMINES](#) | [EPFL](#) | [VOLVO](#) | [ICCS](#) | [SCANIA CV AB](#) | [BL](#) | [CENTRO](#)  
[RICERCHE FIAT](#) | [BET](#) | [BET](#) | [TUD](#) | [HIT](#)

[Detailed project information \(CORDIS\)](#) →

Publications (7) +

Research Data (0) +

Share - Bookmark

[Email](#) [Print](#) [Twitter](#) [Facebook](#) [Google+](#) [LinkedIn](#) [RSS](#) [More](#)

## Application Box

[Publications](#) [Research Data](#)

[< > Include in your site \(HTML\)](#)  
[≡ Get EC report \(HTML\)](#)  
[↓ Get EC report \(CSV\)](#)  
[↑ Deposit](#)

[Link this project to...](#)

feedback



Publications (7)

Link this project to...

### A Hierarchical Model Predictive Control Framework for On-road Formation Control of Autonomous Vehicles

Qian , Xiangjun; De La Fortelle , Arnaud; Moutarde , Fabien; (2016)

Conference object English OPEN

Project: [EC | AUTONET2030 \(610542\)](#)

### Parametric-based path generation for automated vehicles at roundabouts

Gonzalez , David; Pérez , Joshué; Milanés , Vicente; (2017)

Article English OPEN

Project: [EC | AUTONET2030 \(610542\)](#)

### Network of automated vehicles: The AutoNet2030 vision

de La Fortelle, Arnaud; Qian, Xiangjun; Diemer, Sébastien; Grégoire, Jean; Moutarde, Fabien; Bonnabel, Silvère; Marjovi, Ali; Martinoli, Alcherio; Llatser, Ignacio; Festag,

feedback

# Services for RDM & FAIR data



Data Management Plans PROJECTS PLANS DATASETS



easyDMP

Category	Count	Action
Projects	9	<input checked="" type="checkbox"/> Open Projects
DMPs	14	<input checked="" type="checkbox"/> Open DMPs
Datasets	24	<input checked="" type="checkbox"/> Open Datasets



[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.



# one stop shop for your Open Science needs

A window to community's  
research. Open Science as a  
Service

**RESEARCH COMMUNITY  
DASHBOARD**



EXPLORE

PROVIDE

CONNECT

MONITOR

DEVELOP



# Research Community Dashboard

Your view to open science

START HERE

[connect.openaire.eu](https://connect.openaire.eu)

## Research community?

Use a trusted partner to share, link, disseminate and monitor your research.

[OpenAIRE.CONNECT](#)



### Are you a researcher?

A virtual environment designed for your community to

[share all your research results](#)

[link all your research](#)

[gather all your research results in one place](#)

[monitor & report](#)



### Are you managing a research community?

Use the OpenAIRE dashboard to configure

[the community profile](#)

[the community content](#)

[statistics & charts](#)

[users links](#)



### Need help?

[Learn about open science policies and how to align](#)

[Learn more on how to manage your data in the open science era](#)

[Find out how to use OpenAIRE to best serve your needs](#)

[View our training material on a variety of related topics](#)

[Contact us](#)

The Research Community Dashboard is currently in beta, ready to be released.

[TRY IT NOW](#)



# Research Community Dashboard

Your view to open science

[START HERE](#)

## Research Communities

Type

Search for research communities



### Sustainable Development Solutions Network - Greece

Research Community

The Greek United Nations (UN) Sustainable Development Solutions Network (SDSN)

[Unsubscribe](#) [Manage](#)



### Instruct-ERIC

Research Initiative Private view

Instruct-ERIC

[Subscribe](#) [Manage](#)



### EGI : advanced computing for research

Research Initiative Private view

EGI is a federated e-Infrastructure set up to provide advanced computing services for research and innovation.

[Subscribe](#) [Manage](#)



### Common Language Resources and Technology Infrastructure

Research Initiative

CLARIN

[Subscribe](#) [Manage](#)



### Fisheries and Aquaculture Management

Research Community

Conservation of marine resources for sustainable development

[Subscribe](#) [Manage](#)



### ELIXIR-GR

Research Initiative Private view

Elixir

[Subscribe](#) [Manage](#)



### European Marine Science

Research Community

[Unsubscribe](#) [Manage](#)



### Neuroinformatics

Research Community

Neuroinformatics

[Unsubscribe](#) [Manage](#)



### Digital Humanities and Cultural Heritage

Research Community

Digital Humanities and Cultural Heritage

[Unsubscribe](#) [Manage](#)



### Research Data Alliance

Research Initiative

Research Data Alliance

[Subscribe](#) [Manage](#)



### Agricultural and Food Sciences

Research Community Private view

The scope of this community is to provide access to publications, research data, projects and software that are related to agricultural and food sciences

[Subscribe](#) [Manage](#)

RESEARCH INITIATIVES & INFRASTRUCTURES

RESEARCH COMMUNITIES



### Neuroinformatics

brain mapping brain imaging electroencephalography arterial spin labelling brain fingerprinting brain neuroimaging Multimodal Brain Image Analysis fMRI

neuroinformatics show more

Curated by: sorina.pop, camille.maumet, christian.barillot Created: 06-08-2018 Members: 5

<b>22,060</b> publications	<b>789</b> research data	<b>86</b> software	<b>1,735</b> other research products	<b>9</b> projects	<b>6</b> content providers
-------------------------------	-----------------------------	-----------------------	---	----------------------	-------------------------------

feedback

### Recent research results

publications research data software other research products

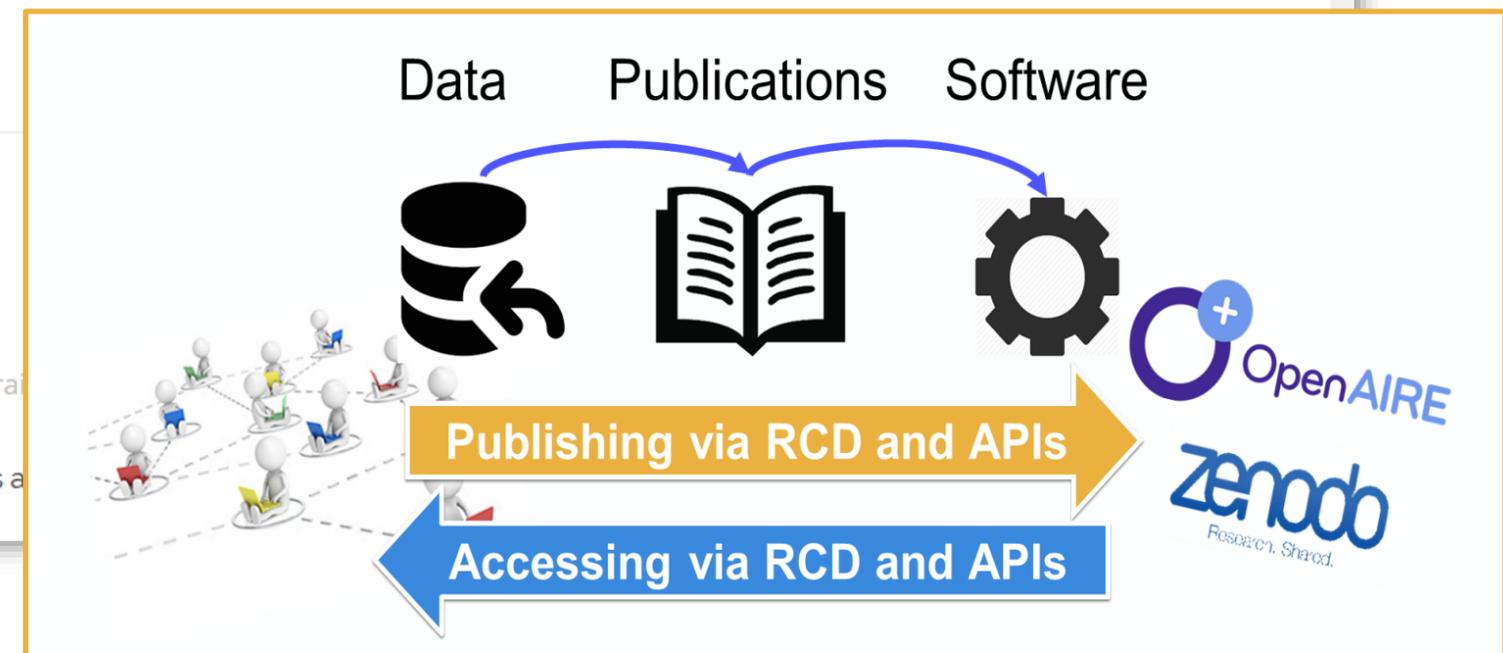
#### Poldracklab/Fmriprep: 1.0.4

OPEN SOURCE

Esteban, Oscar; Blair, Ross; Markiewicz, Christopher J.; Berleant, Shoshana L.; Moodie, Cra...  
Goncalves, Mathias; ... (2018)

Release notes <p>This release fixes minor issues found during Testing Phase 2, and gives a

#### Poldracklab/Fmriprep: 1.0.6-1





### European Marine Science

marine ocean fish aqua sea

Curated by: spesant Created: 06-08-2018 Members: 10

11,928

publications

4,483

research data

3,835

software

1,507

other research products

661

projects

1

content providers

feedback

### Recent research results

publications

research data

software

other research products

View all →

The Slowing Gulf Stream? A science

OPEN

Olsen, Steffen; Eldevik, Tor; Moat, B

The slowing Gulf Stream? A science

The Slowing Gulf Stream? A science

OPEN

OpenAIRE | CONNECT

## Research Community Dashboard

Your view to open science

START HERE



DASHBOARD

MANAGE COMMUNITY  
PROFILE

MANAGE COMMUNITY CONTENT  
MANAGE PROJECTS  
MANAGE CONTENT PROVIDERS  
MANAGE SUBJECTS

MANAGE ENTITIES & PAGES  
ACTIVATE ENTITIES  
PAGES  
SEARCH PAGES  
LINK PAGES  
SHARE PAGES  
LANDING PAGES

MANAGE HELP TEXTS  
PAGE HELP TEXTS  
CLASS HELP TEXTS

MANAGE STATISTICS & CHARTS

MANAGE CLAIMS

### Community Profile

Edit community information, change logo url, add community managers or subjects related to community.

[EDIT COMMUNITY PROFILE →](#)

### Manage community content

Manage projects and content providers that are related to the research community.

[MANAGE PROJECTS →](#)  
[MANAGE CONTENT PROVIDERS →](#)  
[MANAGE SUBJECTS →](#)

### Statistics & Charts

Manage statistical numbers & charts that will be displayed in the dashboard and monitor pages.  
[MANAGE STATISTICS & CHARTS →](#)

### Claims

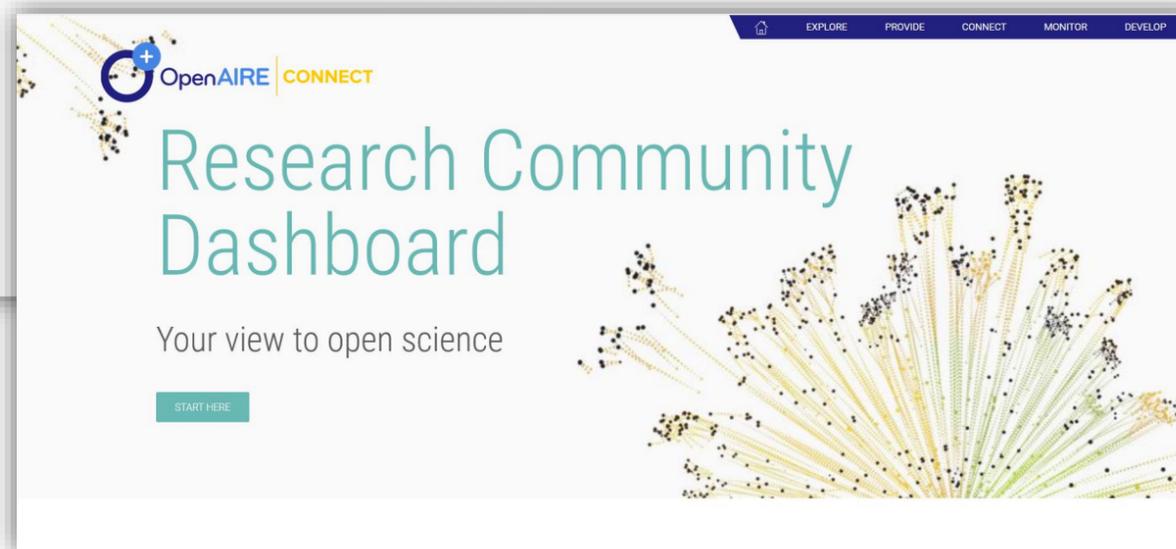
Manage user claims related to the research community.

[MANAGE CLAIMS →](#)

### Help texts

Add or edit help text in research community pages.

[ADD HELP TEXTS IN PAGES →](#)  
[ADD HELP TEXTS IN CLASSES →](#)



A lighthouse on a rocky cliff overlooking the ocean under a cloudy sky.

**Services for funders, projects and institutions**

**Tracking and monitoring**

**MONITOR  
DASHBOARD**



EXPLORE

PROVIDE

CONNECT

MONITOR

DEVELOP



OpenAIRE | MONITOR

FUNDERS

SUPPORT

ABOUT



# Tracking, reporting, monitoring made easy

20,996,390  
PUBLICATIONS

606,153  
DATASETS

45,507  
SOFTWARE

16  
FUNDERS

[monitor.openaire.eu](https://monitor.openaire.eu)

## Research manager?

Use our monitoring services and easily track all relevant research results.

[OpenAIRE.MONITOR](#)



### Are you a funder?

All you need to do is to provide OpenAIRE with a 'very limited' set of metadata fields from your database and we will take it up from there.

[Learn how to participate and ensure that your information is picked up by OpenAIRE.](#)



### Advanced Analytics

Using text mining (topic modeling) on the full texts we can discover hidden structures and identify useful patterns, similarities, correlations trends and communities.

Our tech team would be happy to work with new use cases as this is the real value of using open science for transparent decision policy making. Our services have already been successfully applied for the evaluation of parts of FP7, and we are continuing with the rest.



### Have more questions?

[Learn about open science policies and how to align](#)

[Learn more on how to manage your data in the open science era](#)

[Find out how to use OpenAIRE to best serve your needs](#)

[View our training material on a variety of related topics](#)

[Contact us](#)



## European Union

European Commission – H2020  
European Commission – FP7  
ERC - European Research Council (EU)



## International Funders

### Australia

ARC - Australian Research Council  
NHMRC - National Health and Medical  
Research Council Statistics

### USA

NIH - National Institutes of Health  
NSF - National Science Foundation



## European Funders

### Austria

FWF - Austrian Science Fund

### Croatia

HRZZ - Croatian Science Foundation (CSF)  
MZOS - Ministry of Science, Education  
and Sports of the Republic of Croatia  
(MSES)

### Ireland

SFI - Science Foundation Ireland

### Netherlands

NWO - Netherlands Organisation for  
Scientific Research

### Portugal

FCT - Fundação para a Ciência e a  
Tecnologia

### Serbia

MESTD - Ministry of Education, Science  
and Technological Development of  
Republic of Serbia

## What we do

One of our key services for Open Science is to aggregate content from many different sources from Europe and beyond.

### But we don't stop there! We also:

Apply cleaning, transformation, disambiguation processes to identify relationships among all research entities: publications, data, funding, researchers, organisations and data sources

Identify grant ids in publications-data-software acknowledgement sections and make the appropriate links

Link research results to funding information, specifically programme information

Create online reports and statistics based on the OpenAIRE scholarly communication graph

Combine the OpenAIRE data with other types of data and provide

Over 20 funders in production + 5 in beta

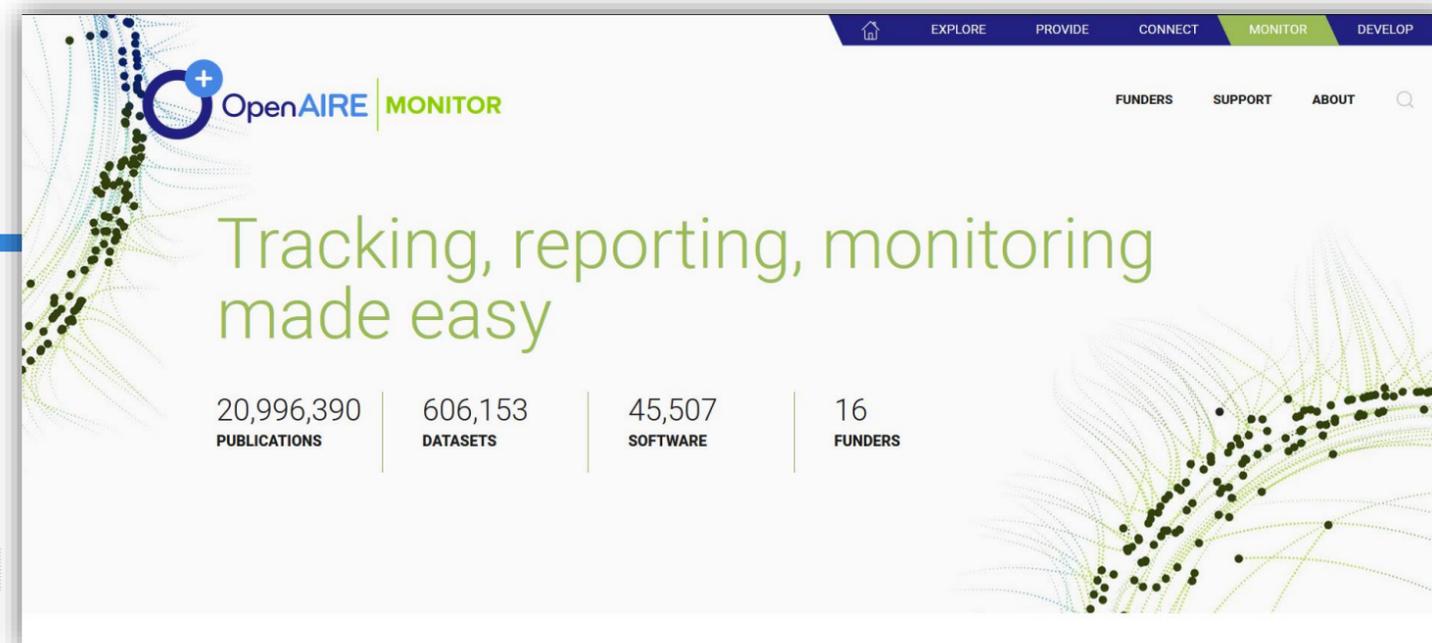
# Monitor: Funder dashboard – aims

## Funding Impact

Publications, research data, software published thanks to grants awarded by the funder

## Open Access/Science Impact

Monitoring of Open Science impact: data/software FAIRness, reproducibility trends



# Funder Dashboard



EXPLORE
PROVIDE
CONNECT
MONITOR
DEVELOP

**FCT - Fundação para a Ciência e a Tecnologia**

42,353 publications in 13,922 projects (from a total of 37,277)

39,158 are OA, 2,257 are restricted and 99 are still in embargo

About OpenAIRE

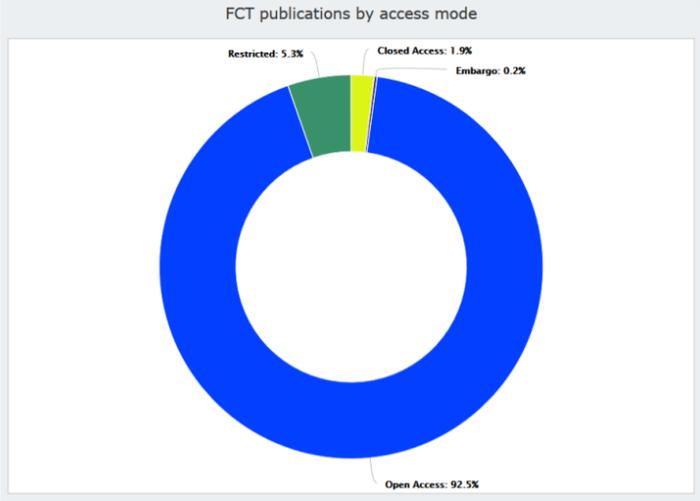
History

Organization

Projects

Our partners

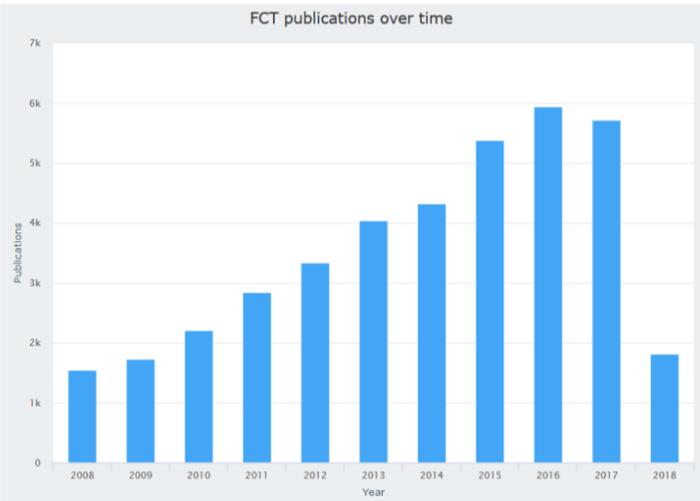
**FCT publications by access mode**



Access Mode	Percentage
Open Access	92.5%
Restricted	5.3%
Closed Access	1.9%
Embargo	0.2%

**About Publications**

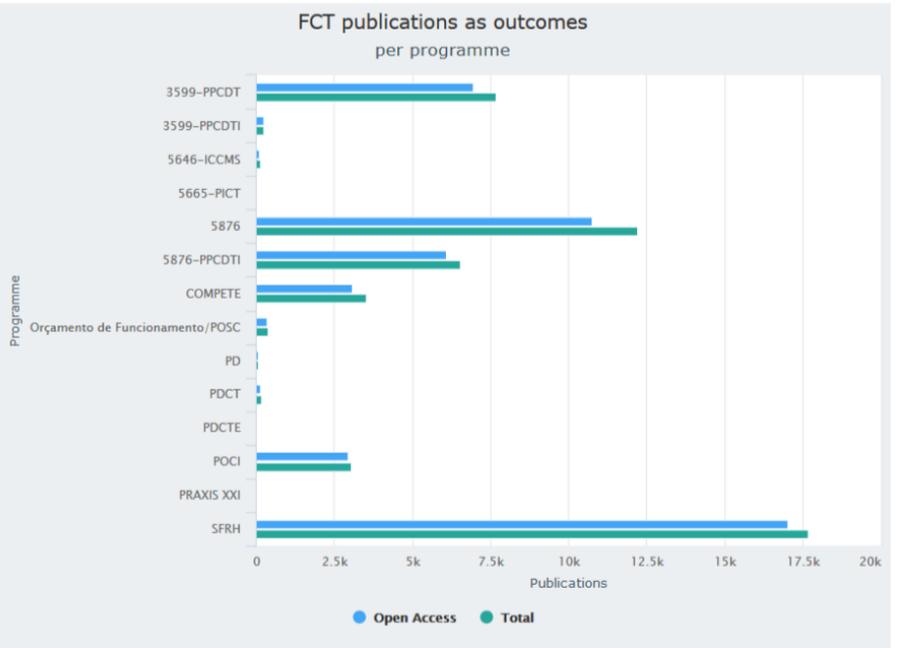
**FCT timeline**



Year	Publications
2008	1500
2009	1700
2010	2200
2011	2800
2012	3400
2013	4000
2014	4400
2015	5400
2016	6000
2017	5800
2018	1800

**Publications as Outcomes**

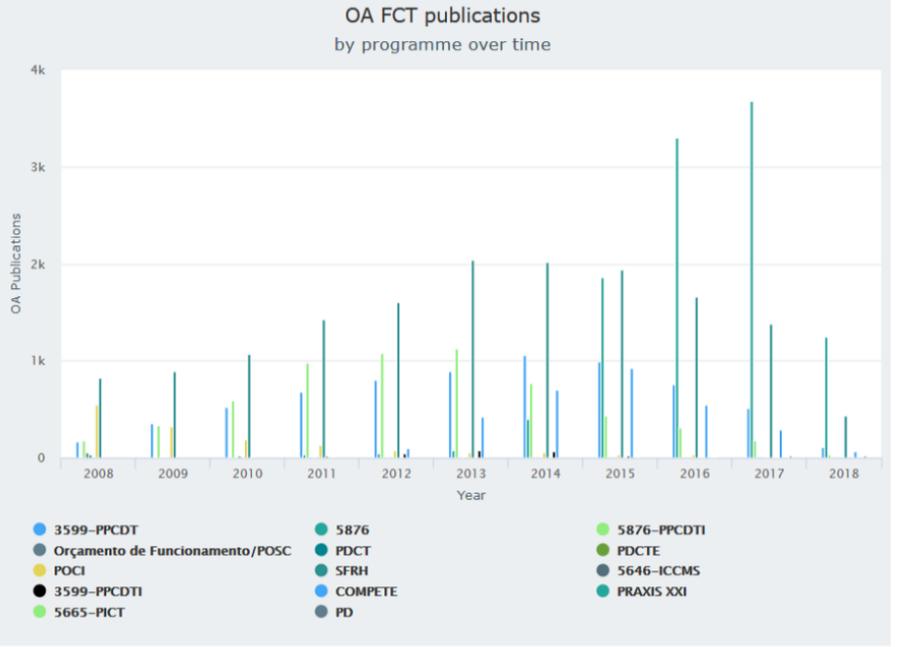
**FCT publications as outcomes per programme**



Programme	Open Access	Total
3599-PPCDT	7.5k	7.5k
3599-PPCDTI	0.2k	0.2k
5646-ICCMS	0.1k	0.1k
5665-PICT	0.1k	0.1k
5876	11.5k	12.5k
5876-PPCDTI	6.5k	7.5k
COMPETE	3.5k	4.5k
Orçamento de Funcionamento/POSC	0.1k	0.1k
PD	0.1k	0.1k
PDCT	0.1k	0.1k
PDCTE	0.1k	0.1k
POCI	2.5k	3.5k
PRAXIS XXI	17.5k	17.5k
SFRH	17.5k	17.5k

**Open Access (OA) publications**

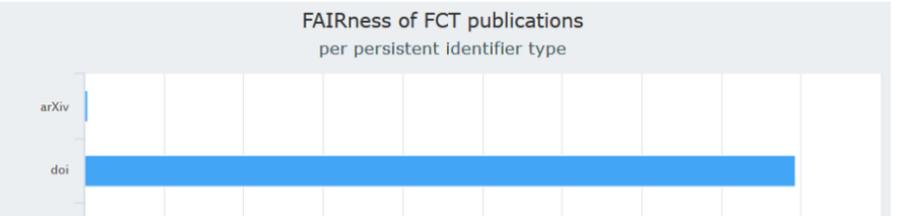
**OA FCT publications by programme over time**



Year	3599-PPCDT	Orçamento de Funcionamento/POSC	POCI	3599-PPCDTI	5665-PICT	5876	PDCT	SFRH	PDCTE	5646-ICCMS	5876-PPCDTI	COMPETE	PRAXIS XXI	PD
2008	0.5k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k
2009	0.5k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k
2010	0.5k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k
2011	0.5k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k
2012	0.5k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k
2013	0.5k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k
2014	0.5k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k
2015	0.5k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k
2016	0.5k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k
2017	0.5k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k
2018	0.5k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k

**FAIRness of publications**

**FAIRness of FCT publications per persistent identifier type**



Identifier Type	Count
arXiv	1
doi	17.5k

# Monitor: Institutional dashboard (under development) – aims

## Research Impact

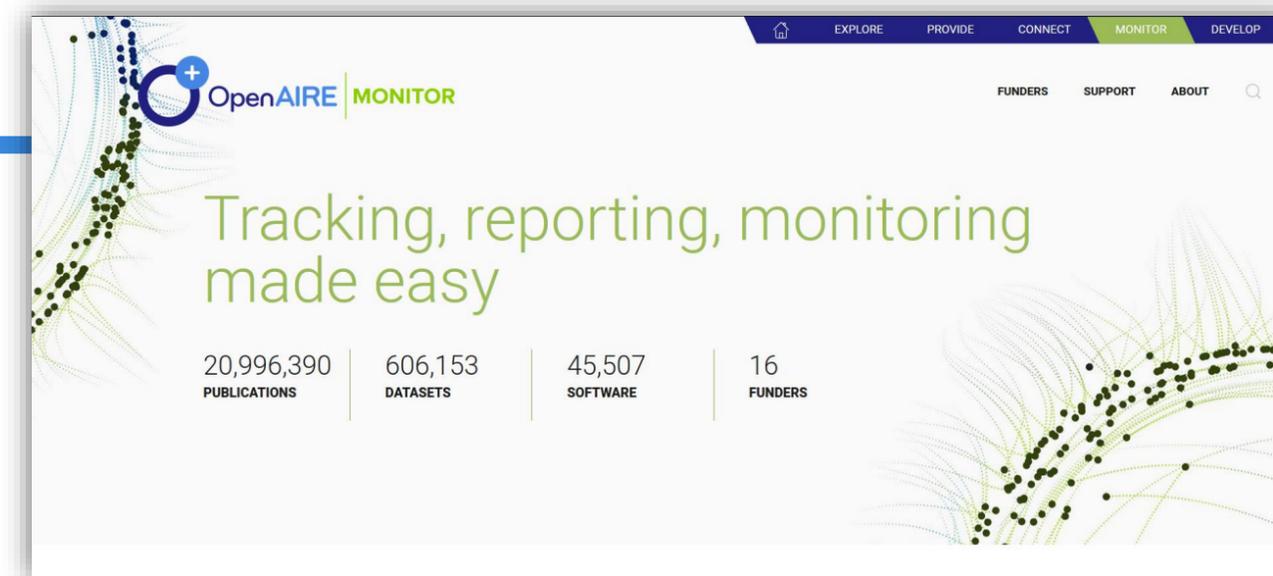
Ability of researchers affiliated with the institution to produce innovative and quality scientific products

## Service capacity impact

Ability of services maintained and operated by the institution to support researchers at producing or storing scientific products

## Funding Impact

Ability of institution to reach funding from different funders and disciplines



# Added-value functionalities

- Funders
  - Recent and past EC and other funders' activities (representing various funding levels)
  - Checking compliance to funder mandates
- Institutions
  - Collaboration network (by institution) via projects and products
- Projects
  - Compare project portfolio against that of other similar institutions (anonymized)



# one stop shop for all OpenAIRE content providers

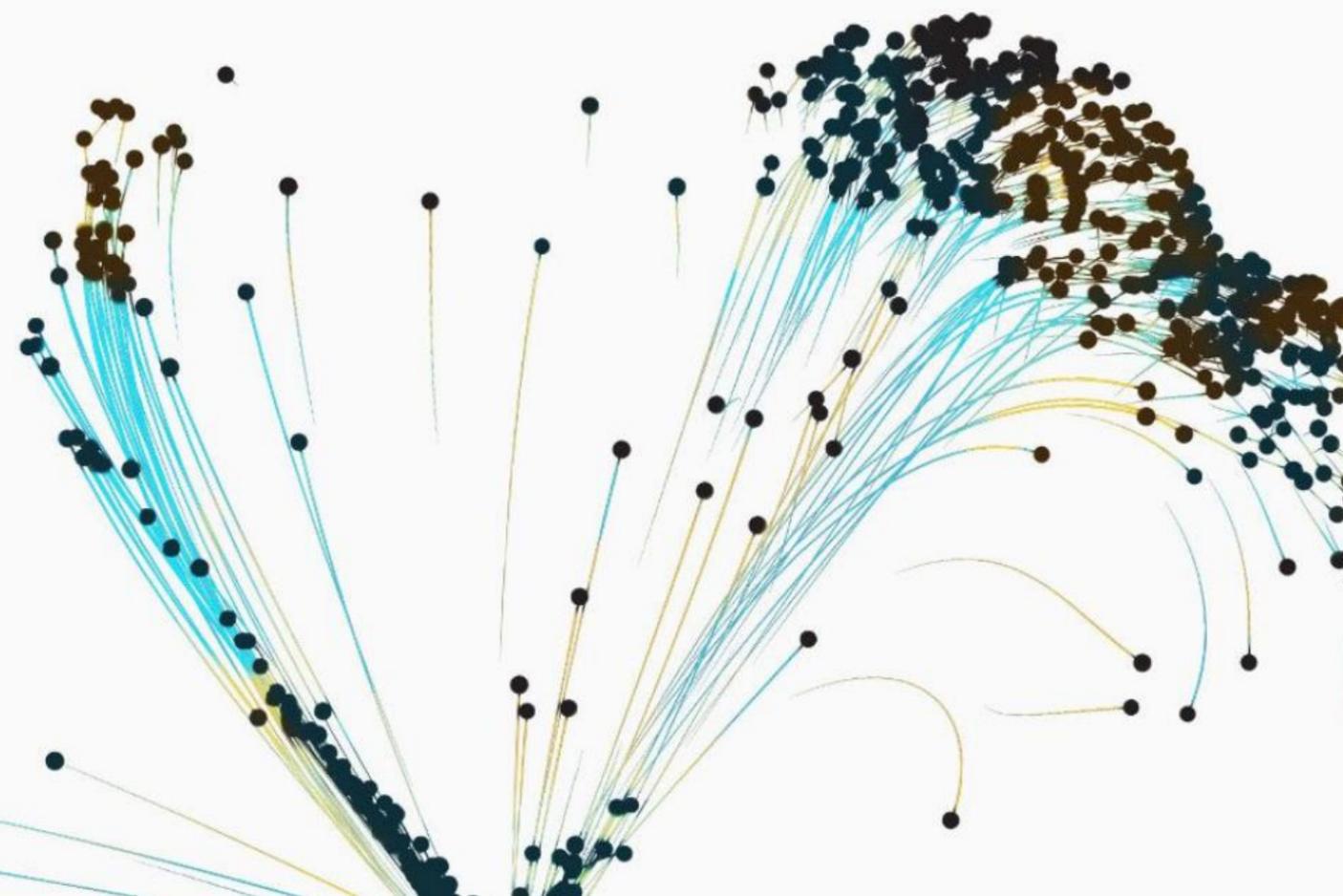
Services for repository  
managers, OA publishers

**DASHBOARD  
FOR CONTENT PROVIDERS**

# Content Provider Dashboard

A one-stop-shop for sharing,  
finding and enriching your  
content

[START HERE](#)



## Content provider?

Join OpenAIRE, use our tools and make your content more visible around the world.

[OpenAIRE.PROVIDE](#)



Validate

Interoperable metadata is key for effective content sharing.



Register

Reach a wider audience around the world



Enrich

Improve your metadata. Get more connections



Measure

Open research impact empowers Open Science



### Register

Register data sources in the OpenAIRE infrastructure



### Validate

Validate data sources against OpenAIRE guidelines



### Notifications



**METADATA ENRICHMENTS FROM THE OPENAIRE BROKER SERVICE (monthly notifications)**

## Enrichments for Universidade do Minho: RepositoriUM

### MORE

EVENTS THAT MAY ENRICH UNIVERSIDADE DO MINHO: REPOSITORYUM CONTENT	# OF EVENTS
<a href="#">ENRICH/MORE/OPENACCESS_VERSION</a> <i>OpenAIRE discovered another Open Access version of a publication</i>	18296
<a href="#">ENRICH/MORE/PID</a> <i>OpenAIRE discovered another persistent identifier associated to your publications</i>	5725
<a href="#">ENRICH/MORE/SUBJECT/JEL</a> <i>OpenAIRE discovered more Journal of Economic Literature (JEL) classification terms that can be associated to your publications</i>	4151

### MISSING

EVENTS THAT MAY ENRICH UNIVERSIDADE DO MINHO: REPOSITORYUM CONTENT	# OF EVENTS
<a href="#">ENRICH/MISSING/PROJECT</a> <i>OpenAIRE discovered references to research projects that can be associated to your publications</i>	3422
<a href="#">ENRICH/MISSING/PID</a>	3132
<a href="#">ENRICH/MISSING/SUBJECT/DDC</a> <i>OpenAIRE discovered Dewey Decimal classification terms (DDC) that can be associated to your publications</i>	736



### Register

Register data sources in the OpenAIRE infrastructure



### Validate

**THE SERVICE COLLECTS AND EXPLOITS USAGE METRICS LIKE DOWNLOADS AND METADATA VIEWS.**

OpenAIRE PROVIDE Dashboard Sources Compatibility Content Metrics Antonis Lempesis

## Universidade do Minho: RepositoriUM

10107  
views in OpenAIRE

1310823  
views in local repository  
(14 referrals from OpenAIRE)

519901  
views in local repository  
(6 referrals from OpenAIRE)

Monthly views

Monthly downloads

**Info**

This page provides you with information about views and downloads of items in your datasource.

The indicators are:

- views of your datasource items in the OpenAIRE portal
- views of items tracked from your datasource
- number of downloads tracked from your datasource

## Metrics Configuration & Software Details

OpenAIRE's usage statistic service uses the *Piwik Open Source Analytics platform* (piwik.org) to track usage activity. When enabled for a repository, two unique identifiers are generated - a piwik-ID that associates the repository with its usage and an authentication-ID that allows to track usage activity on the Piwik platform. Metadata views and item downloads are automatically sent to Piwik. Statistics are generated using the COUNTER Code of practice directives.

OpenAIRE's usage statistics service tracking code exploits Piwik's API. In order to make the tracking of usage events more robust, it was necessary to implement repository platform specific patches and plugins starting with DSpace and maintained on Github:

- as a patch for various versions of DSpace (<https://github.com/openaire/OpenAIRE-Piwik-DSpace>)
- as an EPrints plugin for version 3 (<https://github.com/openaire/EPrints-OAPiwik>)

To configure your repository to allow tracking in Piwik platform, please change the configuration files with the following values, generated for your site:

PiwikID  
104

AuthenticationToken  
106629304

OpenAIRE PROVIDE Dashboard Sources Compatibility Content Metrics University M Log out

### Get usage statistics report for Universidade do Minho: RepositoriUM

Supported Reports

## AR1

Article Report 1, number of successful article download requests by month and repository.

## IR1

Item Report 1, number of successful item download requests by month and repository.

## RR1

Repository Report 1, number of successful item downloads all repositories participating in the usage statistics service

## BR1

Book Report 1, number of successful title requests by month and title.

## BR2

Book Report 2, number of successful section requests by month and title.

# www.openaire.eu

## Content provider?

Join OpenAIRE, use our tools and make your content more visible around the world.

OpenAIRE.PROVIDE

[provide.openaire.eu](https://provide.openaire.eu)

## Research manager?

Use our monitoring services and easily track all relevant research results.

OpenAIRE.MONITOR

[monitor.openaire.eu](https://monitor.openaire.eu)

## Research community?

Use a trusted partner to share, link, disseminate and monitor your research.

OpenAIRE.CONNECT

[connect.openaire.eu](https://connect.openaire.eu)

## Researcher?

Explore all OA research results. Link all your research. Build your profile

OpenAIRE.EXPLORE

[explore.openaire.eu](https://explore.openaire.eu)

## Developer?

Get access to OpenAIRE data and capitalize on on Europe's open linked research

OpenAIRE.DEVELOP

[develop.openaire.eu](https://develop.openaire.eu)

# Thank you!

**Iryna Kuchma**  
iryna.kuchma@eifl.net

