

Pedro Príncipe
University of Minho

Iryna Kuchma
EIFL

Ilaria Fava
Göttingen State and University Library

OpenAIRE Tools and Services



<https://www.openaire.eu>



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

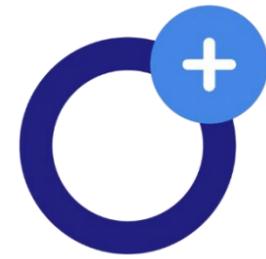




Search & Share



Publish OA



OpenAIRE | **MONITOR**



OA Broker



Validator



Research Analytics



Institution Monitoring Dashboard



OpenAIRE | **CONNECT**



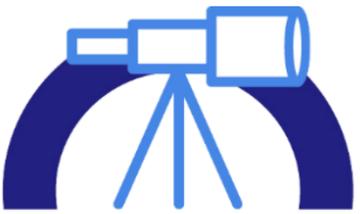
Helpdesk



Usage Analytics



Funder Monitoring Dashboard



Open Science Observatory



OpenAIRE | **EXPLORE**



APIs



Interoperability Guidelines



easyDMP



Anonymization



OpenAIRE | **PROVIDE**



Zenodo



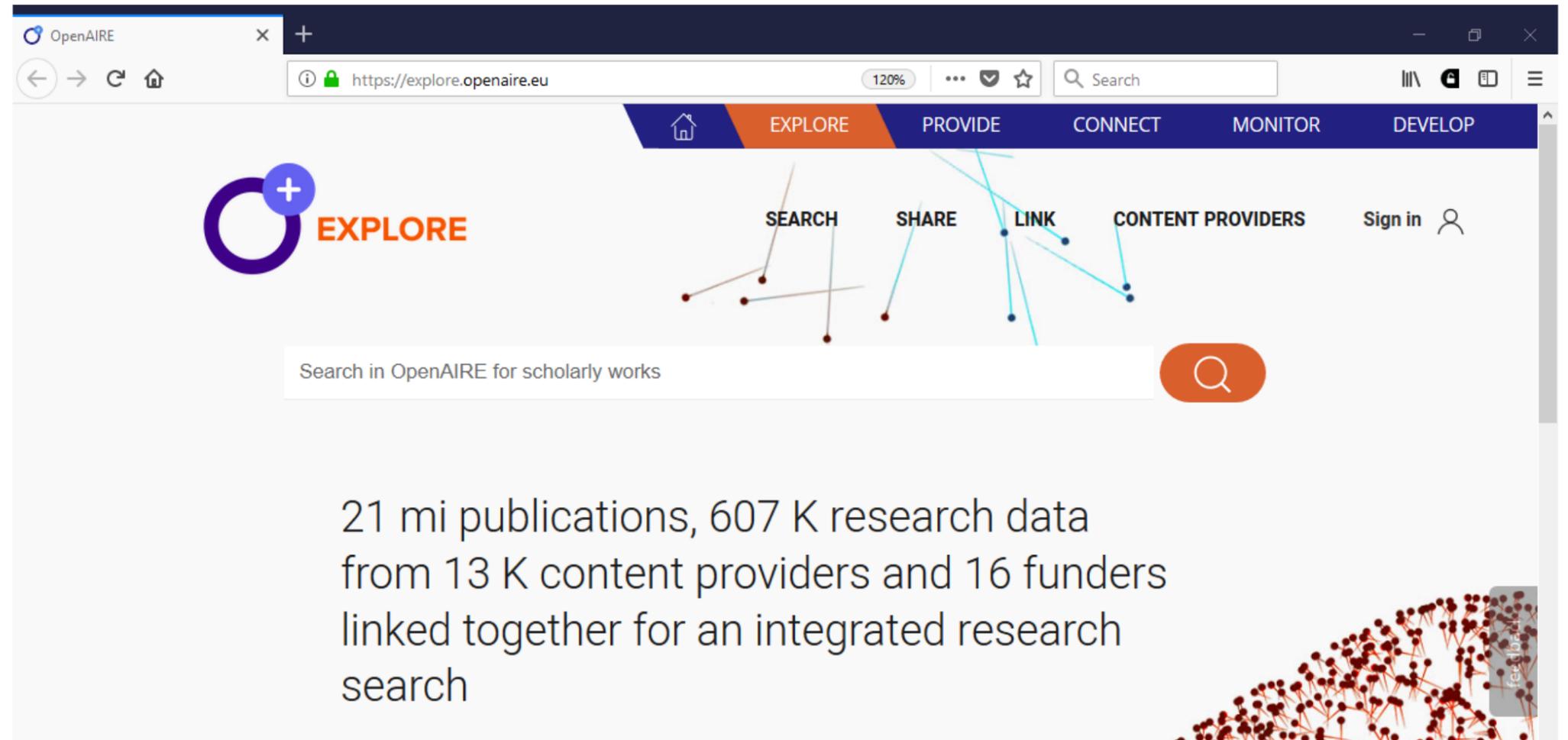
Training



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



OPERAS

Operational Potential of Ecosystem Research Applications (308393)

Project EC Open Access mandate Special Clause 39

Funding: FP7 | SP1 | ENV

Start Date: 2012-12-01

End Date: 2017-11-30

Organization: UBO | UEDIN | UEA | NUID UCD | TIAMASG | ETH Zürich | UFZ | FFCUL | UP | EFI | WWF Romania | WCMC | CIFOR | OPPLA | Centre national de la recherche scientifique | CSIC | Prospex | IODINE | VU/VUmc | BIOTEPE | WWF BULGARIA | ECOMETRICA | ALU-FR | denkstatt | SGM | KIT | LUND | UNEXE | IEEP

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

Publications (42)

Share - Bookmark

Application Box

Publications Research Data

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

Link this project to...

feedback



Link this project to...

Publications (42)

[View all 42 results →](#)

[No net loss of biodiversity or paper offsets? A critical review of the French no net loss policy](#)

Quetier, Fabien; Regnery, Baptiste; Levrel, Harold; (2014)

Other literature type, Article English OPEN

Project: [EC | OPERAS \(308393\)](#)

[A quantitative review of relationships between ecosystem services](#)

Lee, Heera; Lautenbach, Sven; (2015)

Preprint, Article English OPEN

Project: [EC | OPERAS \(308393\)](#)

[The ecosystem approach in ecological impact assessment: Lessons learned from windfarm developments on peatlands in Scotland](#)

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

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](#)

OpenAIRE | CONNECT

Research Community Dashboard

Your view to open science

START HERE

Research Communities

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

22,060 publications	789 research data	86 software	1,735 other research products	9 projects	6 content providers
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feedback

Recent research results

publications research data software other research products

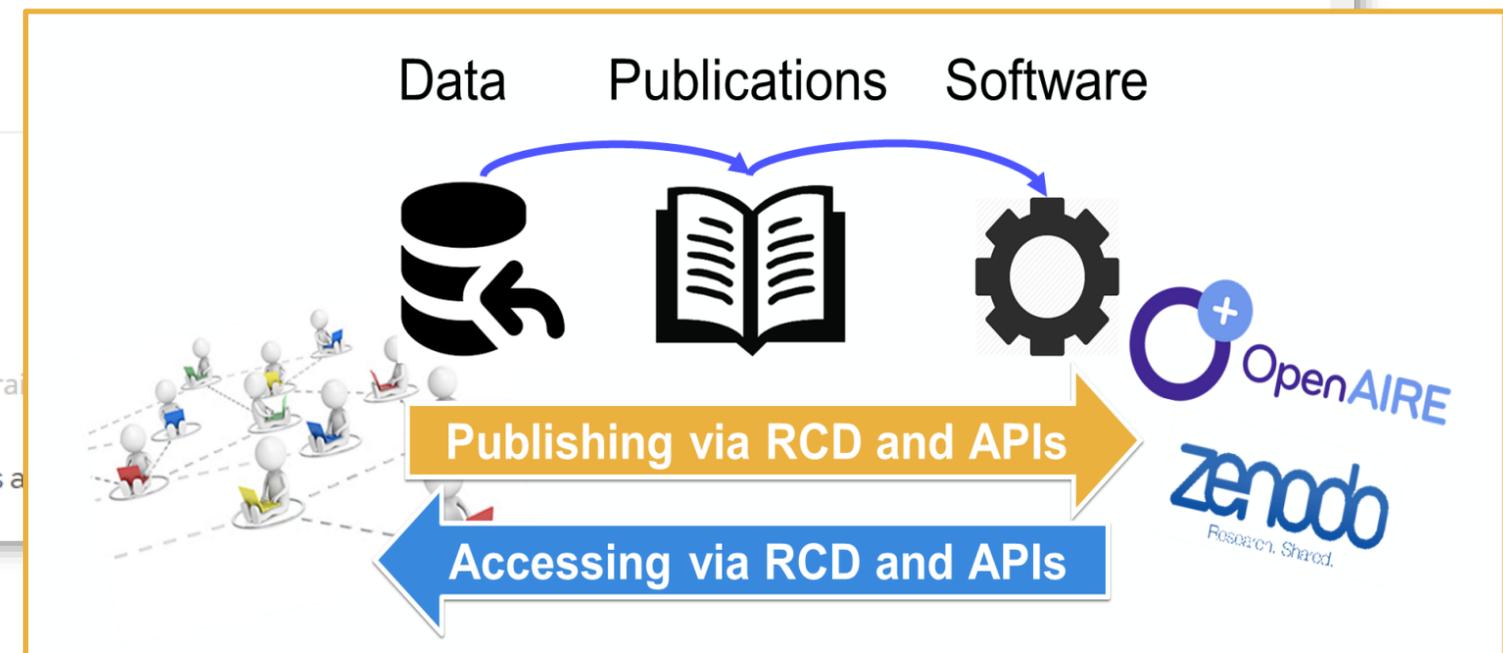
Poldracklab/Fmriprep: 1.0.4

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

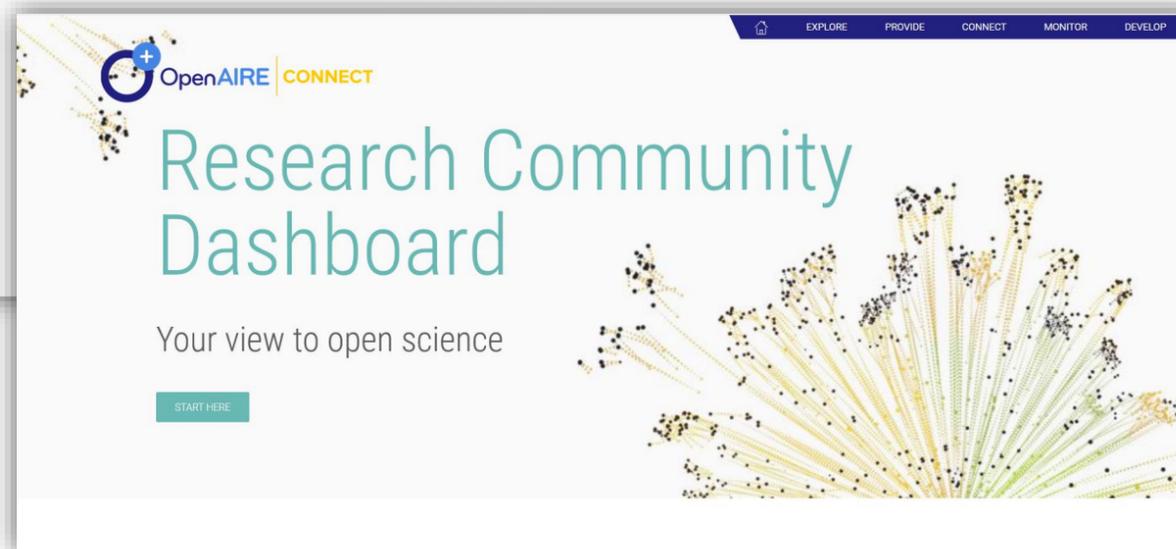
Manage user claims related to the research community.

[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

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

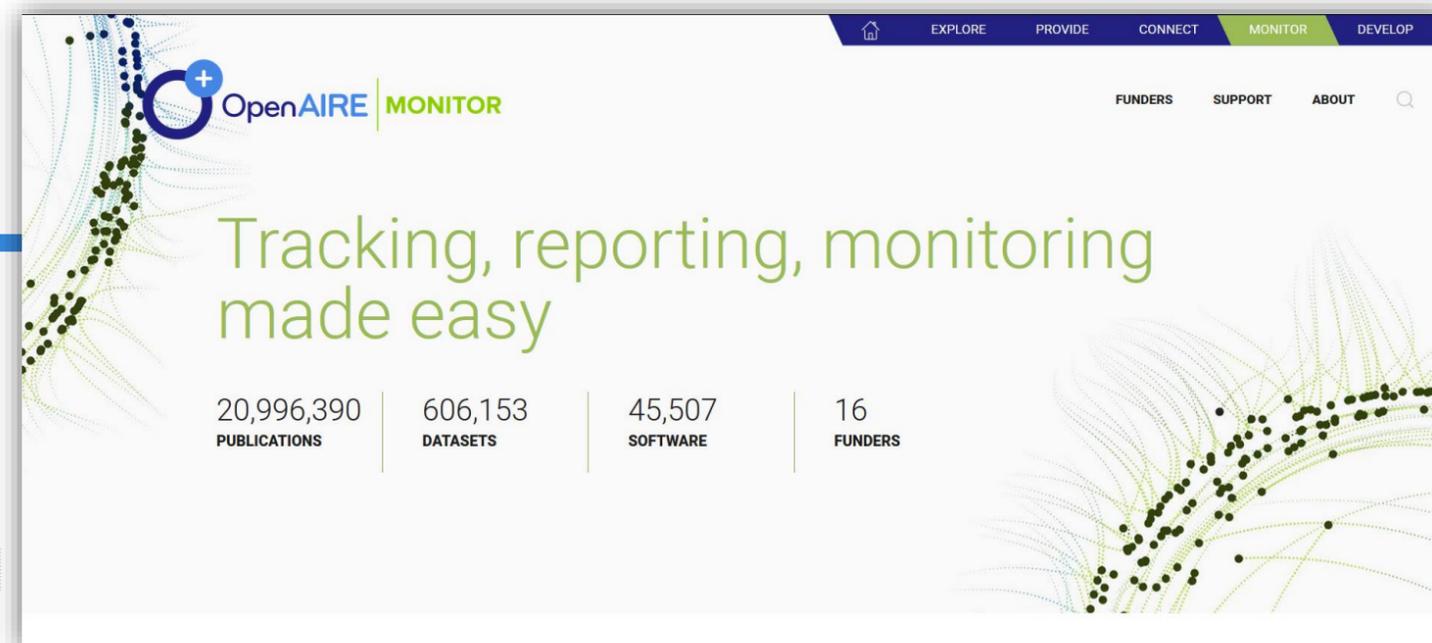
Monitor: Funder dashboard – aims

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

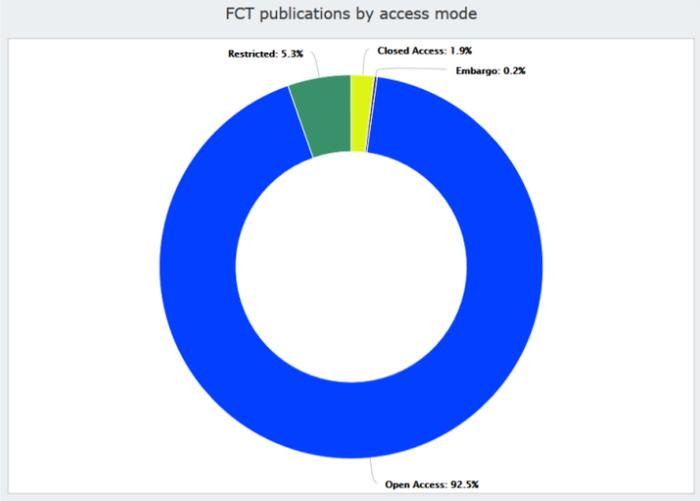
History

Organization

Projects

Our partners

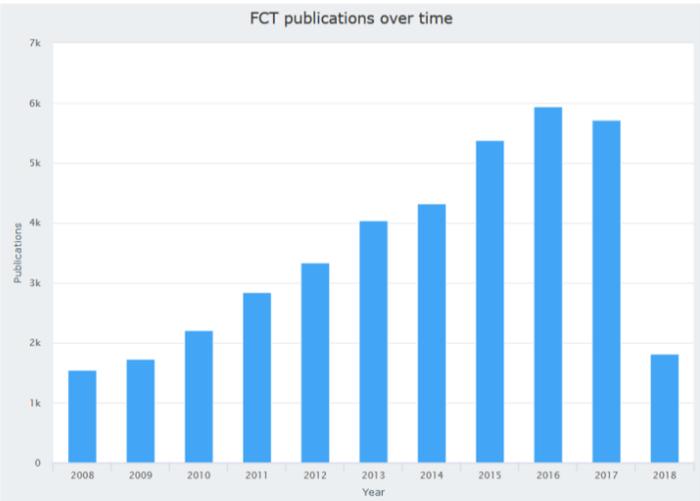
FCT publications by access mode



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

About Publications

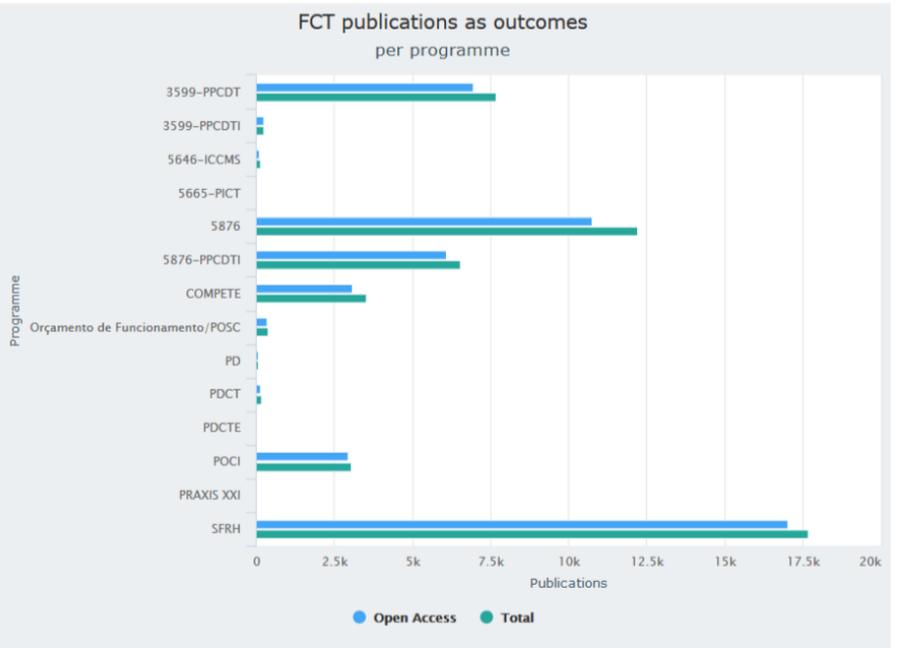
FCT timeline



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

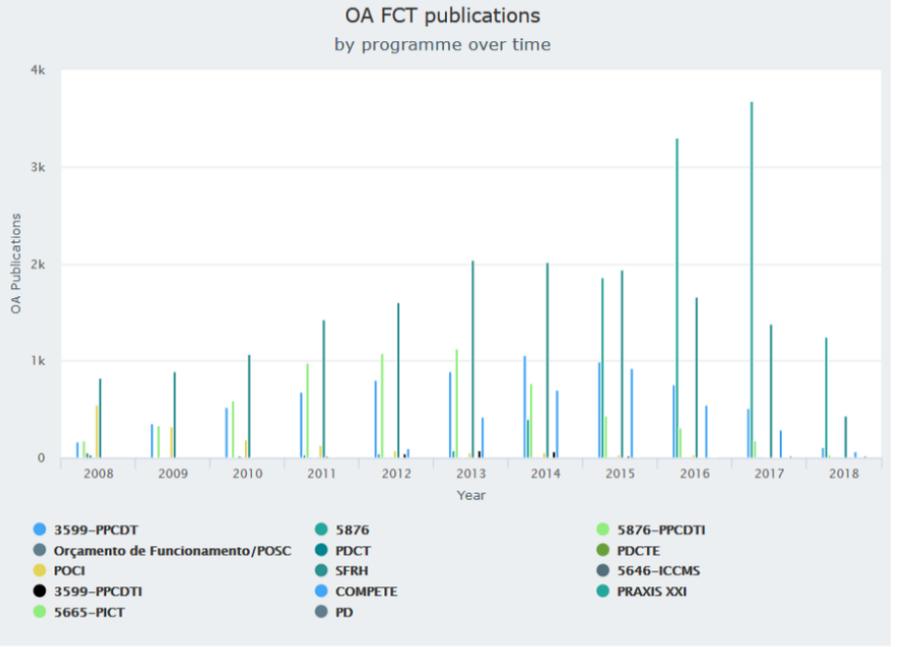
FCT publications as outcomes per programme



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	0.5k	0.5k
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

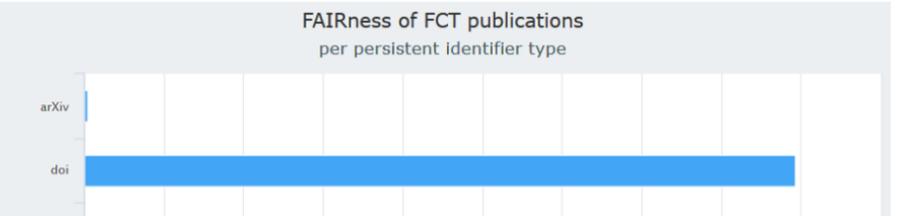
OA FCT publications by programme over time



Year	3599-PPCDT	Orçamento de Funcionamento/POSC	POCI	3599-PPCDTI	5665-PICT	5876	PDCT	SFRH	PDCTE	5646-ICCMS	COMPETE	PRAXIS XXI	PD
2008	0.5k	0.2k	0.1k	0.1k	0.1k	0.5k	0.2k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k
2009	0.5k	0.2k	0.1k	0.1k	0.1k	0.5k	0.2k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k
2010	0.5k	0.2k	0.1k	0.1k	0.1k	0.5k	0.2k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k
2011	0.5k	0.2k	0.1k	0.1k	0.1k	0.5k	0.2k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k
2012	0.5k	0.2k	0.1k	0.1k	0.1k	0.5k	0.2k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k
2013	0.5k	0.2k	0.1k	0.1k	0.1k	0.5k	0.2k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k
2014	0.5k	0.2k	0.1k	0.1k	0.1k	0.5k	0.2k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k
2015	0.5k	0.2k	0.1k	0.1k	0.1k	0.5k	0.2k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k
2016	0.5k	0.2k	0.1k	0.1k	0.1k	0.5k	0.2k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k
2017	0.5k	0.2k	0.1k	0.1k	0.1k	0.5k	0.2k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k
2018	0.5k	0.2k	0.1k	0.1k	0.1k	0.5k	0.2k	0.1k	0.1k	0.1k	0.1k	0.1k	0.1k

FAIRness of publications

FAIRness of FCT publications per persistent identifier type



Persistent Identifier Type	Count
arXiv	1
doi	17.5k

Monitor: Institutional dashboard – aims

Research Impact

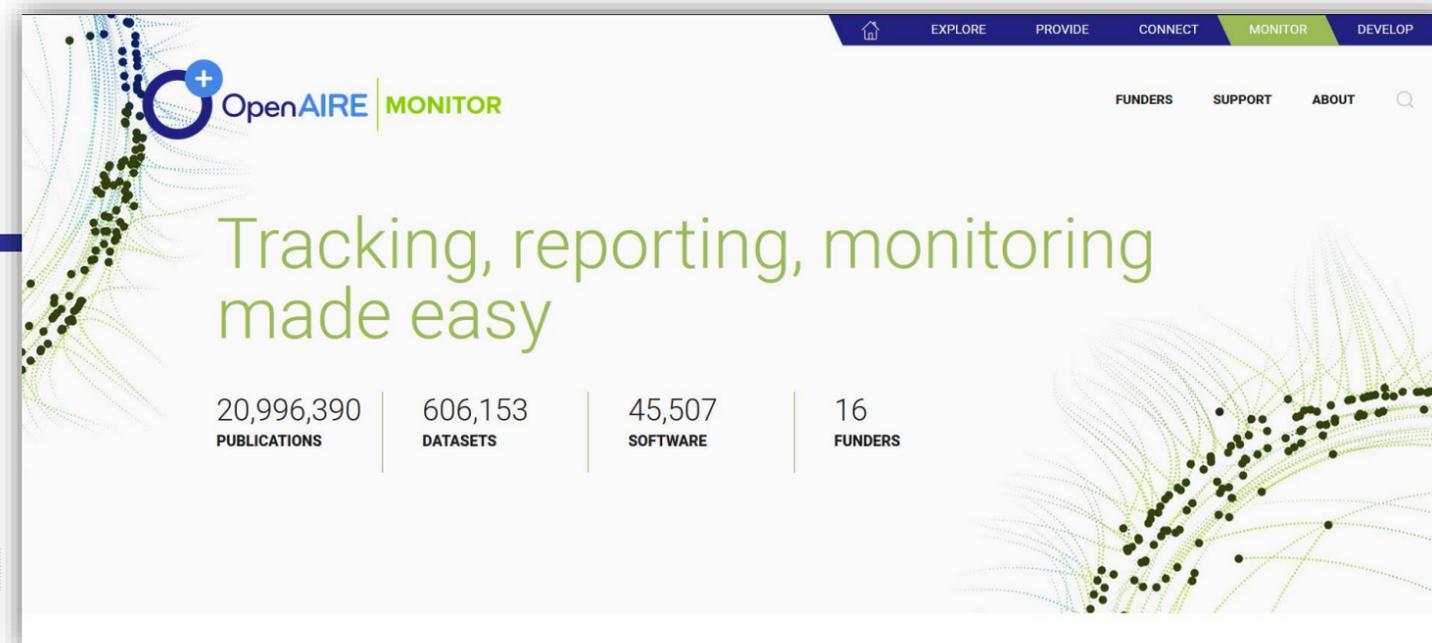
Ability of researchers affiliated with the institution to produce innovative and quality scientific products

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





one stop shop for all OpenAIRE content providers

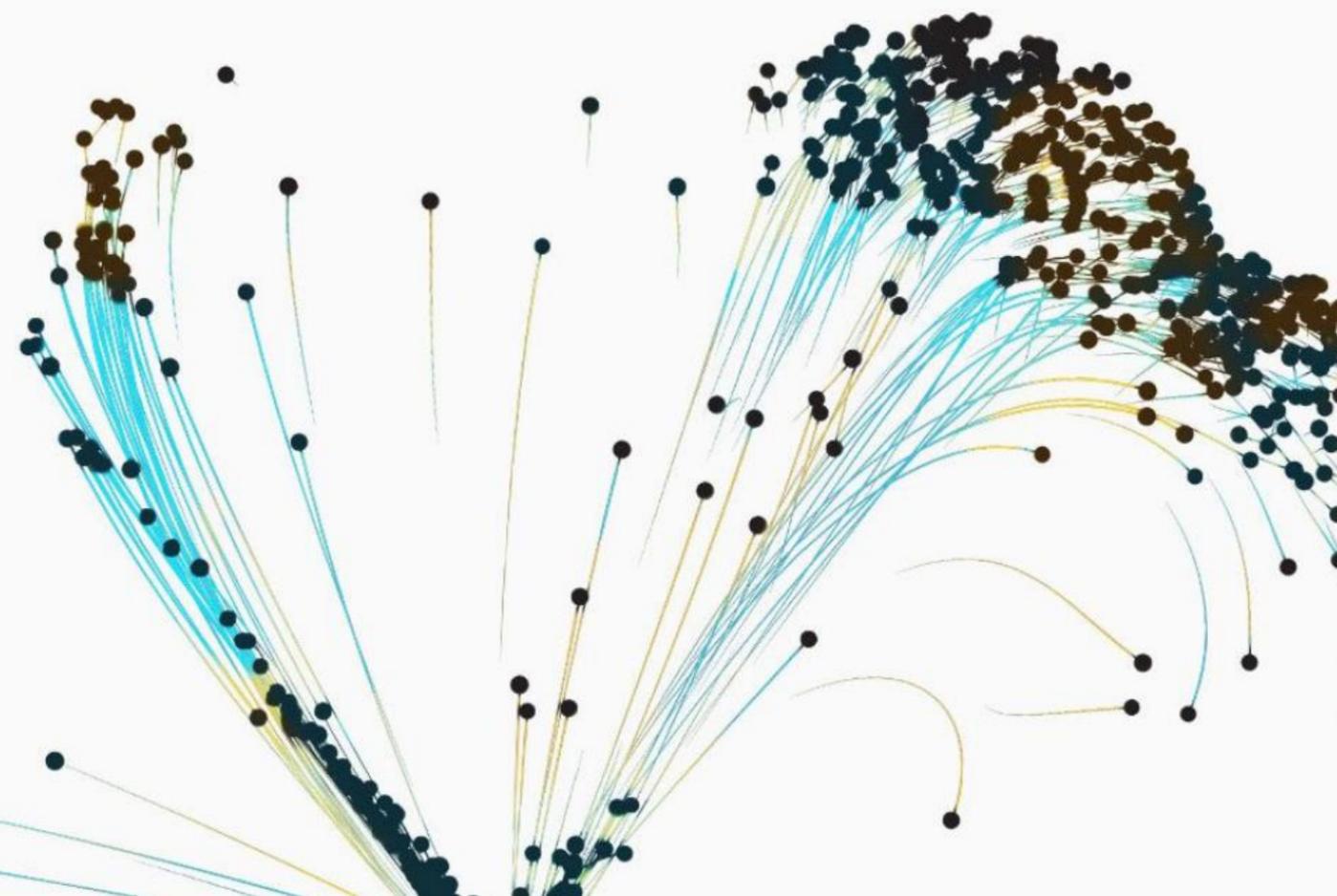
Services for repository
managers, OA publishers

**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



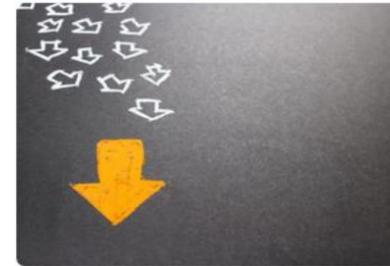
Measure

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
ENRICH/MORE/OPENACCESS_VERSION <i>OpenAIRE discovered another Open Access version of a publication</i>	18296
ENRICH/MORE/PID <i>OpenAIRE discovered another persistent identifier associated to your publications</i>	5725
ENRICH/MORE/SUBJECT/JEL <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
ENRICH/MISSING/PROJECT <i>OpenAIRE discovered references to research projects that can be associated to your publications</i>	3422
ENRICH/MISSING/PID	3132
ENRICH/MISSING/SUBJECT/DDC <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
(0 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 faster and 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.

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)

www.openaire.eu

Content provider?

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

OpenAIRE.PROVIDE

provide.openaire.eu

Research manager?

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

OpenAIRE.MONITOR

monitor.openaire.eu

Research community?

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

OpenAIRE.CONNECT

connect.openaire.eu

Researcher?

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

OpenAIRE.EXPLORE

explore.openaire.eu

Developer?

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

OpenAIRE.DEVELOP

develop.openaire.eu

Thank you!

Iryna Kuchma

iryna.kuchma@eifl.net

