

Gwen Franck

EIFL Open Access Programme Coordinator

OpenAIRE

OpenAIRE Advance and EOSC as a European Infrastructure
Supporting Open Science



National Open Science Days | Belgrade, Serbia | 17 October 2018



Open Science

Not just about open access to publications...

Open/FAIR research data

Open software

Open methodologies/protocols

Open educational resources

Open processes (peer review)

Opening up science to non-researchers

All linked together



OpenAIRE

EU e-Infrastructure

Social + technical links

To shift scholarly communication towards

open and reproducible science

More than just an infrastructure

People

The Network

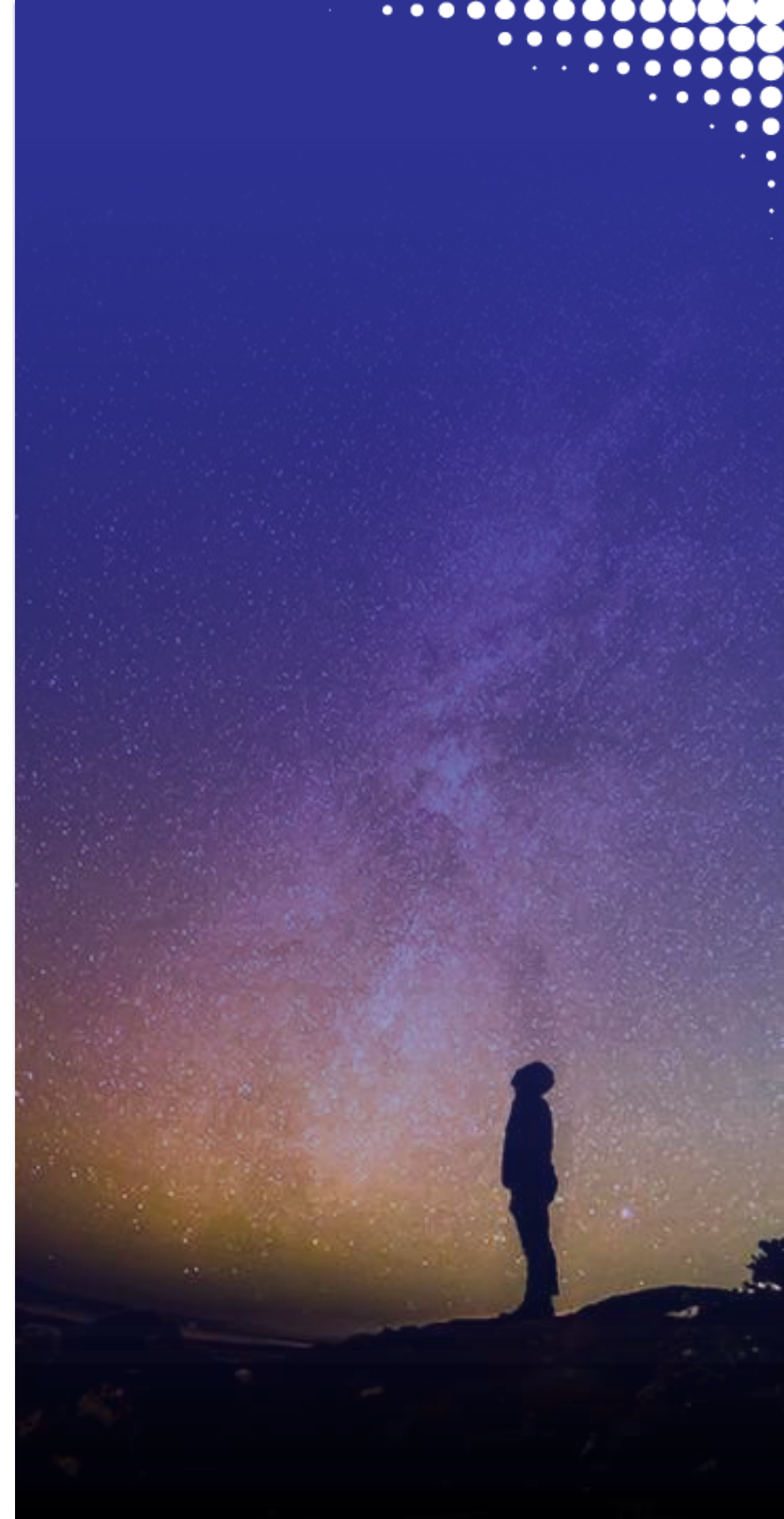
Services

Dashboards, tools

Support

Helpdesk, Resources, Training

Role in EOSC



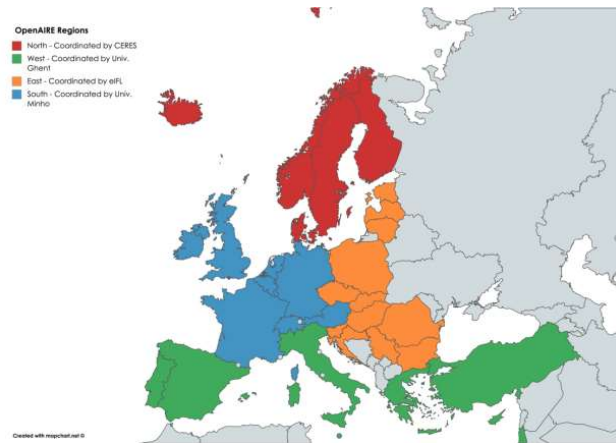


People

Our consortium

34 National Open Access Desks

Organizations experts in OA



Regional NOAD Offices

Univ. of Gottingen
Univ. of Minho
Univ. of Gent
Unit
eIFL
DANS
DCC



e-Infrastructure / e-Science Service Providers

CNR-ISTI
Athena RC
ICM
CERN
Univ. of Bielefeld
Univ. of Bonn

Legal Experts

Univ. of Glasgow / Licenses
Athena RC / GDPR

Data Communities

EPOS-IT
Elixir-GR
DARIAH-DE
+ 5 more targeted research communities

Citizen Science

EllinoGermaniki

Open Innovation

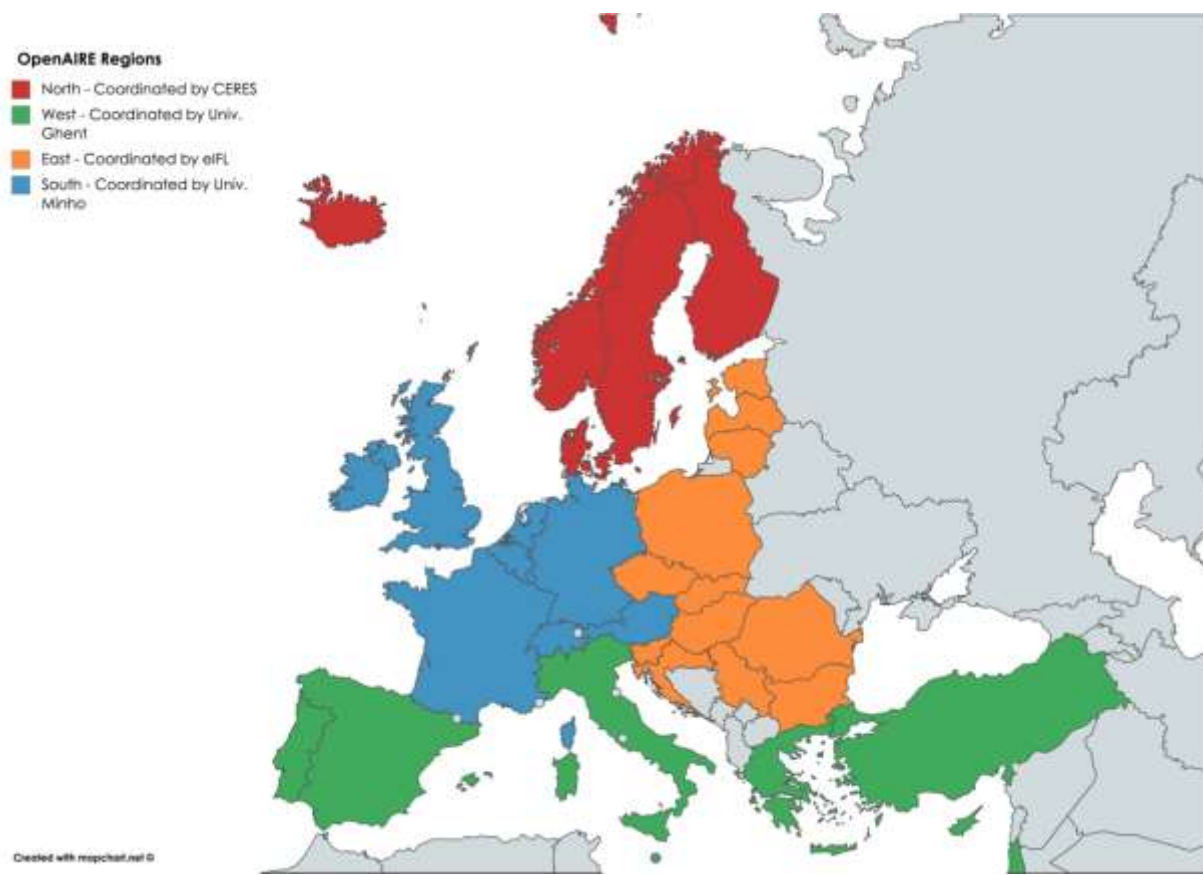
Athena RC



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

Moving to OS

Linked to infras
around the world

OpenAIRE

PARTICIPATE SEARCH MONITOR

National Open Access Desks

Updated on 20 February 2017

Open Access representatives and liaisons in all EU member states and beyond.

 AUSTRIA GERDA MCNEILL MORE	 BELGIUM INCE VAN NIEUWERBURGH MORE	 BULGARIA PETER STANCHEV MORE	 BULGARIA GEORGI SIMEONOV MORE
 CROATIA JADRANKA STOJANOVSKI MORE	 CYPRUS SYLVIA KOUKOUNIDOU MORE	 CZECH REPUBLIC DANIELA TKACIKOVA MORE	 DENMARK ASGER VAERING LARSEN MORE
 DENMARK ANNE THORST MELBYE MORE	 ESTONIA ANJA OBERLAENDER MORE	 FINLAND ANNA SIGRÍÐUR GUÐNADÓTTIR MORE	 FRANCE ANJA OBERLAENDER MORE
 GERMANY ANJA OBERLAENDER MORE	 ICELAND ANNA SIGRÍÐUR GUÐNADÓTTIR MORE		

OpenAIRE

PARTICIPATE SEARCH MONITOR SUPPORT OPEN ACCESS

 LITHUANIA CINTARE TAUTKEVICIENE MORE	 LUXEMBURG JONATHAN ENGLAND MORE	 FYR OF MACEDONIA TAMARA RESAVSKA MORE	 MALTA KEVIN ELLUL MORE
 NORWAY JENS AASHEIM MORE	 POLAND MARTA HOFFMAN-SOMMER MORE	 PORTUGAL PEDRO PRINCIPE MORE	 ROMANIA NICOLAIE CONSTANTINESCU MORE
 SERBIA BILJANA KOSANOVIC MORE	 SLOVAKIA KATARINA SVITKOVA MORE	 SLOVENIA MOJCA KOTAR MORE	 SPAIN PIJAR RICO CASTRO MORE

OpenAIRE

PARTICIPATE SEARCH MONITOR SUPPORT OPEN ACCESS

The Regional Offices

Updated on 21 March 2016

Meet our four regional desks.

 JENS AASHEIM NORTH REGION DENMARK FINLAND ICELAND NORWAY SWEDEN MORE	 INCE VAN NIEUWERBURGH WEST REGION AUSTRIA BELGIUM FRANCE GERMANY IRELAND LUXEMBURG THE NETHERLANDS SWITZERLAND UNITED KINGDOM MORE
 CWEN FRANCK EAST REGION BULGARIA CROATIA CZECH REPUBLIC ESTONIA HUNGARY MORE	 IRYNA KUCHMA EAST REGION BULGARIA CROATIA CZECH REPUBLIC ESTONIA HUNGARY LATVIA LITHUANIA FYR OF MACEDONIA POLAND ROMANIA SERBIA SLOVAKIA SLOVENIA LOVENIA MORE
 RODRIGUES SOUTH REGION CYPRUS GREECE ITALY MALTA PORTUGAL SPAIN TURKEY MORE	

NOAD ACTIVITY

<https://www.openaire.eu/contact-noads>



NOAD TASKS

2015 - 2018

Compatibilit
v

Outreach

Internal
Contribution

Other Areas

Action Plans, Numbers, NOAD Guide

CRIS
Publishers

s
Policy
makers

Project
Blog

National
Funders
FP7 Pilot



 **122** conferences/workshops attended
96 presenting OpenAIRE
26 participation only

25,497 EC projects contacted
2017: 12,324
2018: 8,324

 **33** OpenAIRE blog posts
18 other blog/newsletter posts

456 Repositories contacted
234 Journals & publishers contacted

 **46** conferences & workshops organized

17 National Workshops 

 **26** webinars hosted

2017-2018

REGION EAST

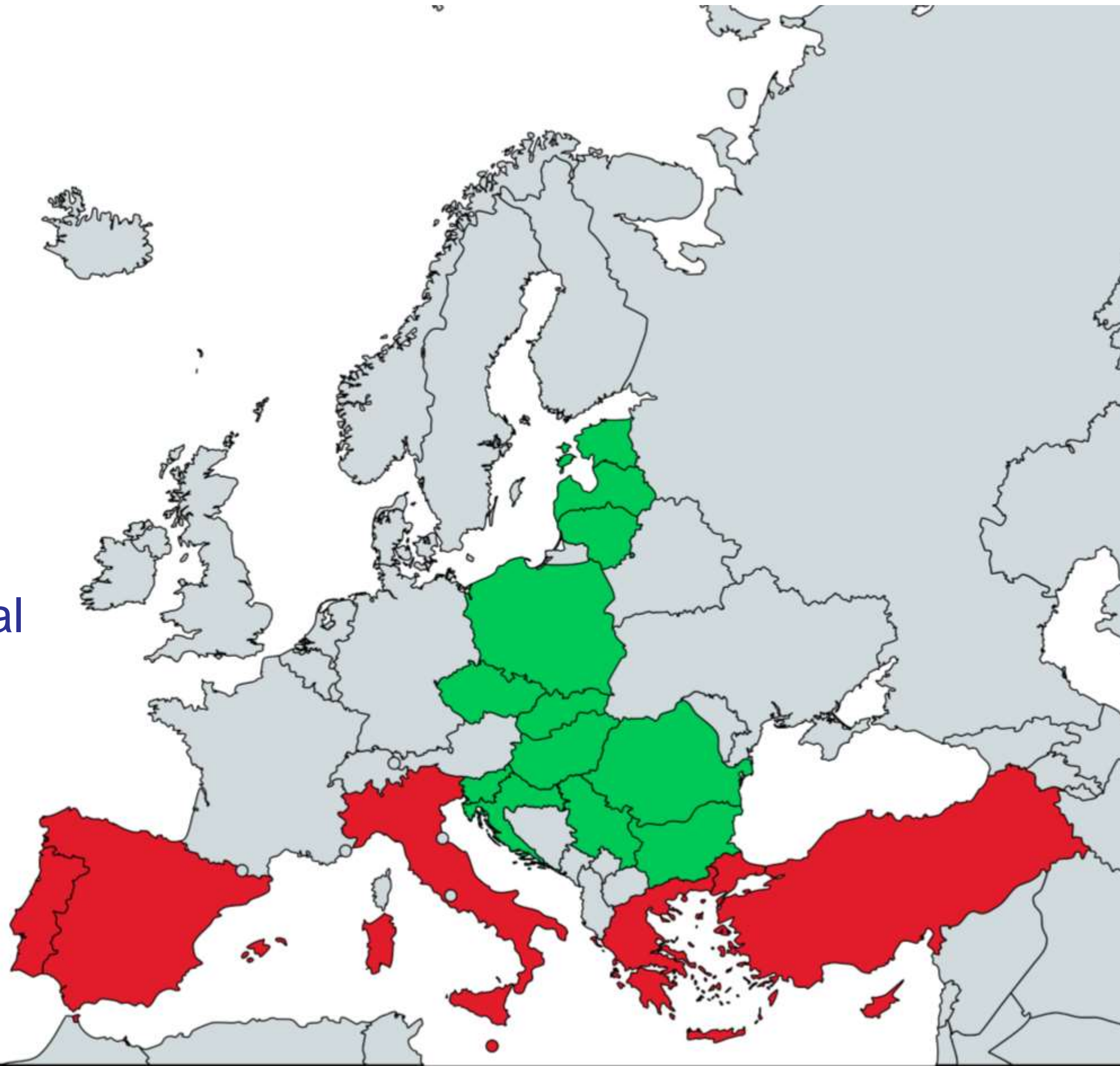
Lithuania: 2017 Major Funder
OA Policy

Hungary: 2017 National OA
Policy

Czech Republic: 2017 National
OA Strategy

Serbia: 2018 National OS
Platform

Slovenia: 2018 National OA
/RDM Policy



Support



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

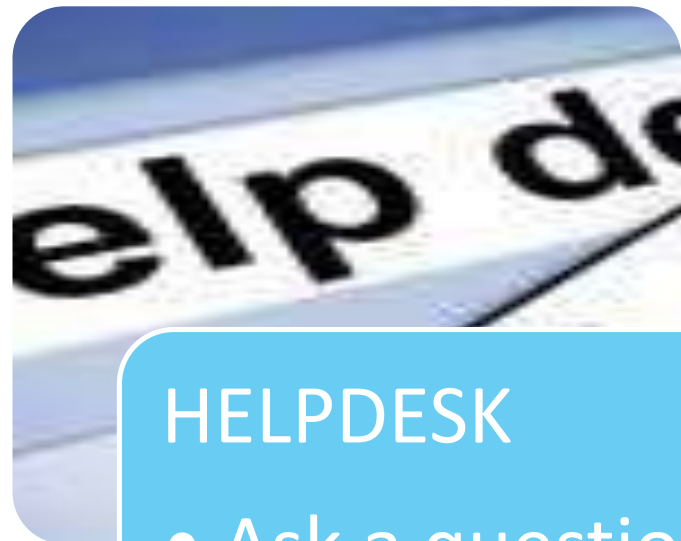


- Guides
- Tools/repositories
- Licenses
- Compliance

How we support

Distributed and hierarchical training: ***train-the-trainers***

NOADs → **National / research infras, organizations** → **Researchers**



HELPDESK

- Ask a question
- FAQs



RESOURCES

- OA guides
- Copyright issues
- Factsheets



TRAINING

- Webinars
- Workshops

FACT SHEETS

brief overview of how to comply with H2020 OS mandates and how to use OpenAIRE services

OpenAIRE H2020 Factsheets

OpenAIRE Services Factsheets

Open Access mandate and Open Research Data in Horizon 2020

How can OpenAIRE help?

Are you part of a H2020 project? OpenAIRE helps you to provide open access to your project publications and data.

H2020 Open Access Mandate

Horizon 2020 Open Access Mandate:
All beneficiaries must deposit their peer-reviewed publications to ensure open access.

What to deposit?
A machine-readable electronic copy of:
▶ the published version
OR
▶ the final peer-reviewed manuscript accepted for publication

When to deposit?
Each beneficiary must deposit their work as soon as possible and at the latest upon publication.

When should Open Access be provided?
Each beneficiary must ensure Open Access to the deposited publication — via the repository — at the latest:
▶ upon publication, if in an Open Access journal
OR
▶ within 6 months of publication (12 months for the Social Sciences and Humanities).

Where to deposit?
Researchers should deposit in a repository for scientific publications of their choice.

Find out if your institution has one www.openaire.eu/participate or use www.zenodo.org.

Open Research Data Pilot in Horizon 2020

How can OpenAIRE help?

Are you a Researcher, Project Coordinator or Research Manager participating in the EC Open Research Data Pilot?

What is the Open Research Data Pilot?

Open data is data that is free to use, reuse and redistribute. The Open Research Data Pilot enables open access to and reuse of research data generated by Horizon 2020 projects. Participating projects are required to:

- Develop and keep up-to-date a Data Management Plan (DMP).
- Deposit their data in a research data repository.
- Ensure that third parties can freely access, mine, exploit, reproduce and disseminate it.
- Make clear what tools are needed to use the raw data to validate research results (or provide the tools themselves).
- The DMP applies to:

 - the data (and metadata) needed to validate results in scientific publications;
 - other curated and/or raw data (and metadata) specified in the DMP.

What's in it for you?

- As part of the new era of Open Science, ensuring transparency, effectiveness and maximum use of scientific methods and processes.
- Reach more people, have greater impact.
- Avoid duplication of effort and help generate data for future researchers.
- Simplify final reporting by keeping your DMP up-to-date.

Do you have a Horizon 2020 grant? Do you manage your data in a FAIR way?

Are you part of the Pilot?

- Societal Challenge Food security, sustainable agriculture and forestry, marine and maritime and inland water research and the bioeconomy.
- Societal Challenge Europe in a changing world - inclusive, innovative and sustainable Societies.
- Science with and for society.
- Cross cutting activities - focus areas - part Smart and Sustainable Cities.
- Can you opt out? We know you can't, but projects may opt out of the Pilot at any stage, partially or completely. See the Guide on OA for eligible reasons. Note that to multi-beneficiary projects it is also possible for specific beneficiaries to keep their data closed if relevant provisions are made in the consortium agreement, which are in line with the measures for opting out.

How can OpenAIRE help?

- Approved provider of a range of services: FAIR, training and support, OpenAIRE has been established as a FAIR community. The National Open Access Depository (NOAD) Contact Point is a key network service of www.openaire.eu.
- If there is no disciplinary or institutional repository available, researchers are welcome to use the Zenodo repository, managed by OpenAIRE and funded by EC/EU.

Personal data and the Open Research Data Pilot

How can OpenAIRE help?

Briefing paper for researchers, research administrators and project coordinators

The EC Open Research Data Pilot

Open data is data that is free to use, reuse and redistribute. The EC Open Research Data Pilot enables open access to and reuse of research data generated by Horizon 2020 projects. The Pilot applies primarily to the data (and metadata) needed to validate results in scientific publications, as well as other data specified in the data management plan (DMP).

Projects participating in the Pilot are required to deposit their research data in a research data repository and take measures to enable third parties to access, mine, exploit, reproduce and disseminate it.

However, the concept of the free use of research data within the Pilot may conflict with data protection rules if such data contain personal data.

What is personal data?

"Personal data" means any information relating to a natural person that is either identified or could be identified by that data (e.g. by reference to an identifier such as a name, an identification number, location data, online identifier or to one or more factors specific to the physical, physiological, genetic, mental, economic, cultural or social identity of that person).

Data protection rules always apply wherever personal data is being processed. Processing here includes practically any operation in connection with personal data – including collection, recording, organisation, structuring, storage, adaptation or alteration, retrieval, consultation, use, disclosure by transmission, dissemination or otherwise making available, alignment or combination, restriction, erasure or destruction.

Handling personal data: How to balance open access and data protection?

So what's the problem?
Research data – especially in fields like medicine, biotechnology and the social sciences – often contain personal data. This means that many datasets, in their raw form, cannot be made openly available as required by the ODRP due to conflicts with rules on protection of personal data. Hence, incompatibility with data protection regulations is one of the major reasons for opting out of the ODRP. However, opting out of the Pilot is not the only way to prevent possible infringements. Firstly, even if one particular dataset is unsuitable for sharing, the same project might produce other datasets which are, secondly, even if datasets contain personal data, they might still be able to be shared either through (1) anonymisation, or (2) limited cases, (3) targeted sharing.

Anonymisation of personal data?
The best way to fulfil the requirements of the Open Research Data Pilot and data protection rules at the same time is to anonymise personal research data before making them openly available. Anonymised data are no longer personal data, consequently data protection rules are no longer applicable. Effective anonymisation prevents third parties from re-identifying individuals in anonymised datasets, i.e. associating a record to a natural person by using other sources of information. Moreover, anonymisation provides further privacy guarantees that prevent third parties from inferring that a person is associated with a certain property, e.g. a particular health condition, with high probability, or even to infer the participation of a person in a published dataset. Where possible, data anonymisation is the best solution to avert data protection risks.

Open Access and Open Data in Horizon 2020

How can OpenAIRE help?

Fact Sheet for Research Administrators and Project Coordinators

The Horizon 2020 Open Access Mandate

The European Commission (EC) requires that all peer-reviewed publications resulting from H2020 funding are open access (OA), i.e. freely available online with no restrictions on use.

4 Simple Steps to Open Access

1. Submit a paper to a journal of your choice (there is no restriction. Publishing costs (article processing fees) are eligible costs and can be reimbursed within the project period).
2. Deposit the final peer-reviewed manuscript or the publisher's PDF in an institutional or subject repository (or Zenodo) if no other option is available as soon as possible and at the latest upon publication. It is not enough to list publications on a project website – they'll go unnoticed!
3. Acknowledge project funding in the article's metadata by including the terms "European Union (EU)" and "Horizon 2020" or "European and European research and training programme 2014-2017"; the name of the action, acronym and grant number; the publication date and length of embargo period if applicable; and a persistent identifier (e.g. DOI handle).
4. Ensure open access to the deposited publication. An embargo of 6 months (or 12 months for the social sciences and humanities) is acceptable.

OpenAIRE: Services for Research Managers

Search for your project at www.openaire.eu.

We maintain a page for every Horizon 2020 project, featuring project information, related project publications and datasets and a statistics section.

OpenAIRE includes an App Box that allows you to generate a project publication list with one click. Use it to communicate your project results with your collaborators, or dynamically embed it in your project site and automatically keep it up-to-date.

Adding your work into OpenAIRE: compliant repositories automatically announce that you:

1. Comply with the Horizon 2020 Mandate on Open Access to scientific publications.
2. Save time as you can import your project publications into the EC's participant portal with a single click of a button.

Can't find to see all your project's publications on OpenAIRE at reporting time?
This means that they are not deposited in an OpenAIRE compliant repository (the so-called "dark archive"). Use Research Alerts to track your publications that are either deposited and not yet announced, or not yet reported at all. The help you with a few simple steps, but you must ensure that all H2020 rules are followed.

AMNESIA, a service currently being developed by OpenAIRE, will allow data curators to anonymise their data.

Open Access and Open Data in Horizon 2020

How can OpenAIRE help?

Fact Sheet for Repository Managers

Why should you and your repository care about the EC's Open Access mandate?

The OpenAIRE infrastructure collects all Open Access (OA) content, Europe-wide. It also supports the EC's H2020 OA mandate. Are you a repository manager with OA content, or EC-funded projects at your institution? Read on for how to join the OpenAIRE network to make your content more visible and to adhere to the OA mandate.

The OpenAIRE network is growing with currently over 600 repositories. Join up!

Instructions for Literature repository managers

1. Create an account at valdator.openaire.eu.
2. Make sure your repository is registered in OpenAIRE (<http://www.openaire.eu>).
3. Check if your repository is compliant with the OpenAIRE Guidelines for literature repositories.
4. Run a compatibility test via the validator at <http://valdator.openaire.eu>.

That's all!

Research data repository managers

1. Create an account at valdator.openaire.eu.
2. Make sure your repository is registered in OpenAIRE (<http://www.openaire.eu>).
3. Check if your repository is compliant with the OpenAIRE Guidelines for data repositories.
4. Run a compatibility test via the validator at <http://valdator.openaire.eu>.

That's all!

OpenAIRE Guidelines: what are they?

OpenAIRE Guidelines provide recommendations to repository – and other scientific information data managers for the encoding of bibliographic metadata.

There are three categories of Guidelines, which have achieved established and existing practices for different classes of data permissions:
▶ Literature Repositories using Dublin Core, or Data Repositories using DataCite Schema, or ORCID systems based on ORCID XRS.

The OpenAIRE Guidelines require that your repository adheres to the following metadata requirements and policies:
▶ Funding information (funder & project grant ID, SPI and H2020 project grant number), Rights information and access mode.
▶ Embed QR code if applicable.
▶ Persistent identifiers for publications & datasets.

The guidelines' flexibility complies with various systems, but also encourage you to upgrade in order to meet the latest metadata requirements.

<https://guidelines.openaire.eu>

OpenAIRE Monitoring Services

Briefing paper for Research Funding Organisations

Open Access, Open Research Data and Open Science Policy Implementation

OpenAIRE helps you measure research funding impact and supports monitoring of Open Access.

As a funder your research output counts. What publications come out of your funding streams? How many of these publications are open access? You also want to monitor progress, check your publications over time and share information with stakeholders. OpenAIRE has created advanced Open Science monitoring and implementation services for the European Commission and the European Research Council in the FP7 and Horizon 2020 funding streams. OpenAIRE presents a 360-degree view of the funding impact, at the level of funding programme, funding of each and individual projects. These services are now also available to other research funding organisations.

OpenAIRE MONITOR

Track Research Impact, Trends and Open Access Statistics

Other funders are now involved, including the Australian Research Council, ICTP (Fundamental Physics) a Technology in Portugal, the Austrian Science Fund (FWF), the Austrian National Science Foundation (ONF), SBIRAC (National Health and Medical Research Council) in Australia and the Wellcome Trust in the UK. A number of other prominent EU funders are also joining OpenAIRE.

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"As a funder, having an overview of your publication output adds to your principles of transparency and impartiality".
— Creation Science Foundation

ZENODO

The free, open repository from OpenAIRE and CERN

Fact Sheet for researchers, research administrators and research institutions

What is Zenodo?

Zenodo (zenodo.org) is an open, dependable repository for all of scholarship, enabling researchers from all disciplines to share and preserve their research outputs, regardless of size or format. Free for upload and free to access, Zenodo makes scientific outputs of all kinds stable, shareable and discoverable for the long term.

Who is Zenodo for?

- Zenodo is for all individual researchers, scientific communities and research institutions. It is open to all research outputs regardless of funding source.
- Open to all appropriate institutional or thematic repositories (see Zenodo).
- Zenodo is linked to Horizon 2020 projects, and all results are immediately linked to OpenAIRE and the EC portal.
- With Zenodo you can create and curate a collection for your research group or project, from conference proceedings and pre-prints.

Share and preserve your publications, data and software for free in OpenAIRE's trusted repository hosted by CERN.

There and back research Zenodo provides a rich interface which enables linking research outputs to datasets and funding information. All open access is handled via ORCID iD by third parties.

Suggests something? Via a top-level DOI you can support all the different versions of a file.

Search & retrieve with Zenodo's internal search, which has considerable knowledge and experience in searching large-scale digital repositories. Data files and metadata are kept in multiple online and offline copies.

Research & Research materials can be set to share with reviewers only, and to be embargoed.

Short Facts about Zenodo

- Check all necessary for the Zenodo research logo to be displayed.
- Data stored in the CERN Data Center.
- Permanent identifiers (DOI) for every upload.
- Automatic creation of Open Access metadata.
- Easy for the long tail of content.
- Open to all research outputs from all disciplines.
- Flexible integration.
- Easy access: funding information and report no. OpenAIRE.

www.zenodo.org

OpenAIRE Research Data Management Briefing paper

Understanding Research Data Management

April 2017

Water (EPJ) Research & Innovation action Grant Agreement Support



National Workshops 2017-2018

**17 workshops
in 16 countries held**

2131 participants



High level initiatives

**Encouraged cross-regional
developments**

National
OpenAIRE
conference

Maison du Savoir, Belval Campus

26
OCTOBER
> from 2.30 pm <

SAVETHEDATE

Do you
speak **Open
Science?**



A night sky with the Milky Way galaxy visible, transitioning from blue to purple. A silhouette of a person is visible in the lower center, looking up at the stars.

96 WEBINARS

6633 participants

OpenAIRE 2020 project

[Jan. 2015 – Jun. 2018]

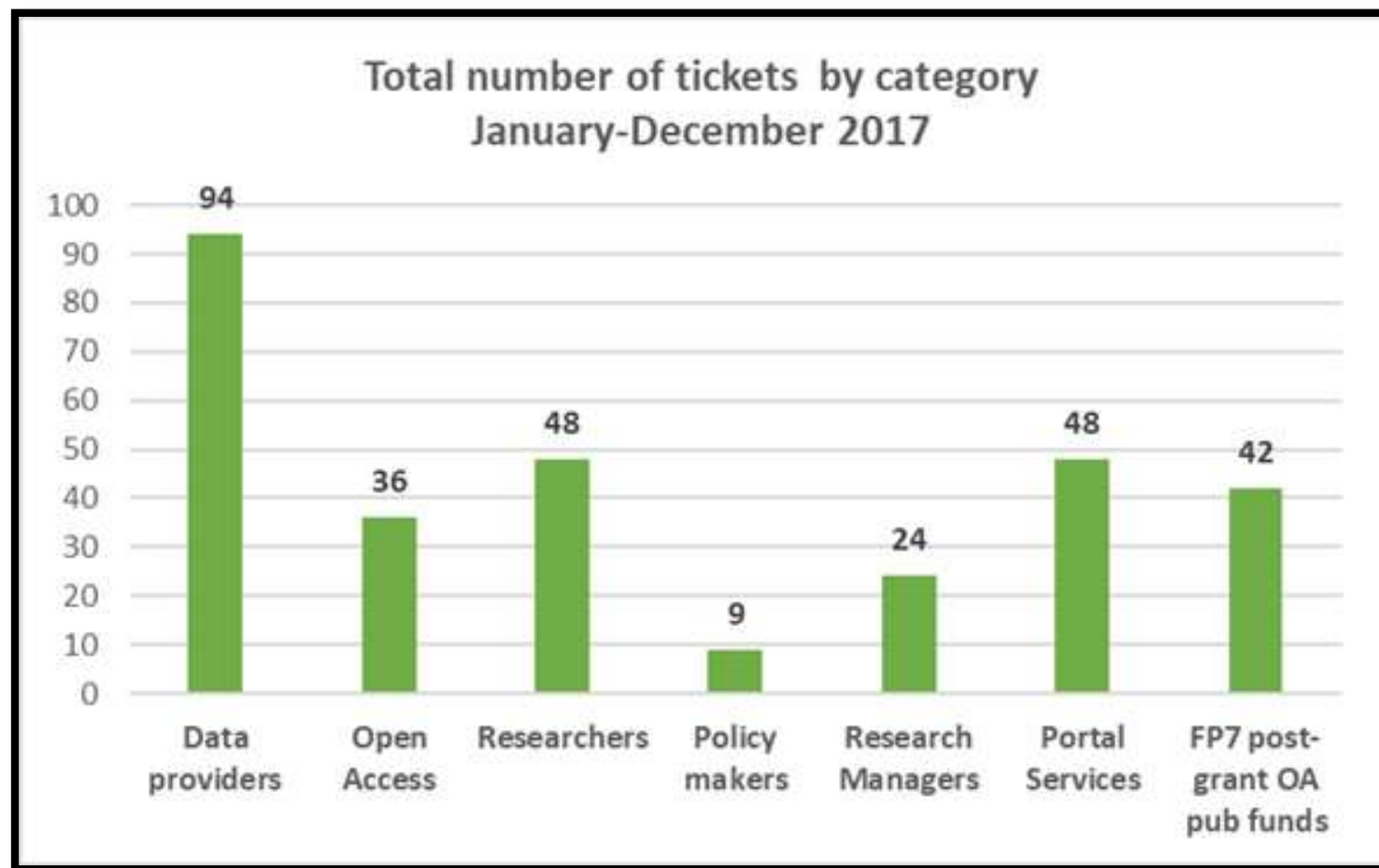
Open Access Week 2018



<https://www.openaire.eu/open-access-week-2018>

HELPDESK - ticket system (ask a question service)

The helpdesk system continued to be a relevant and easy to use service that provides quick answers and solutions for the specific doubts and issues reported by the OpenAIRE users.



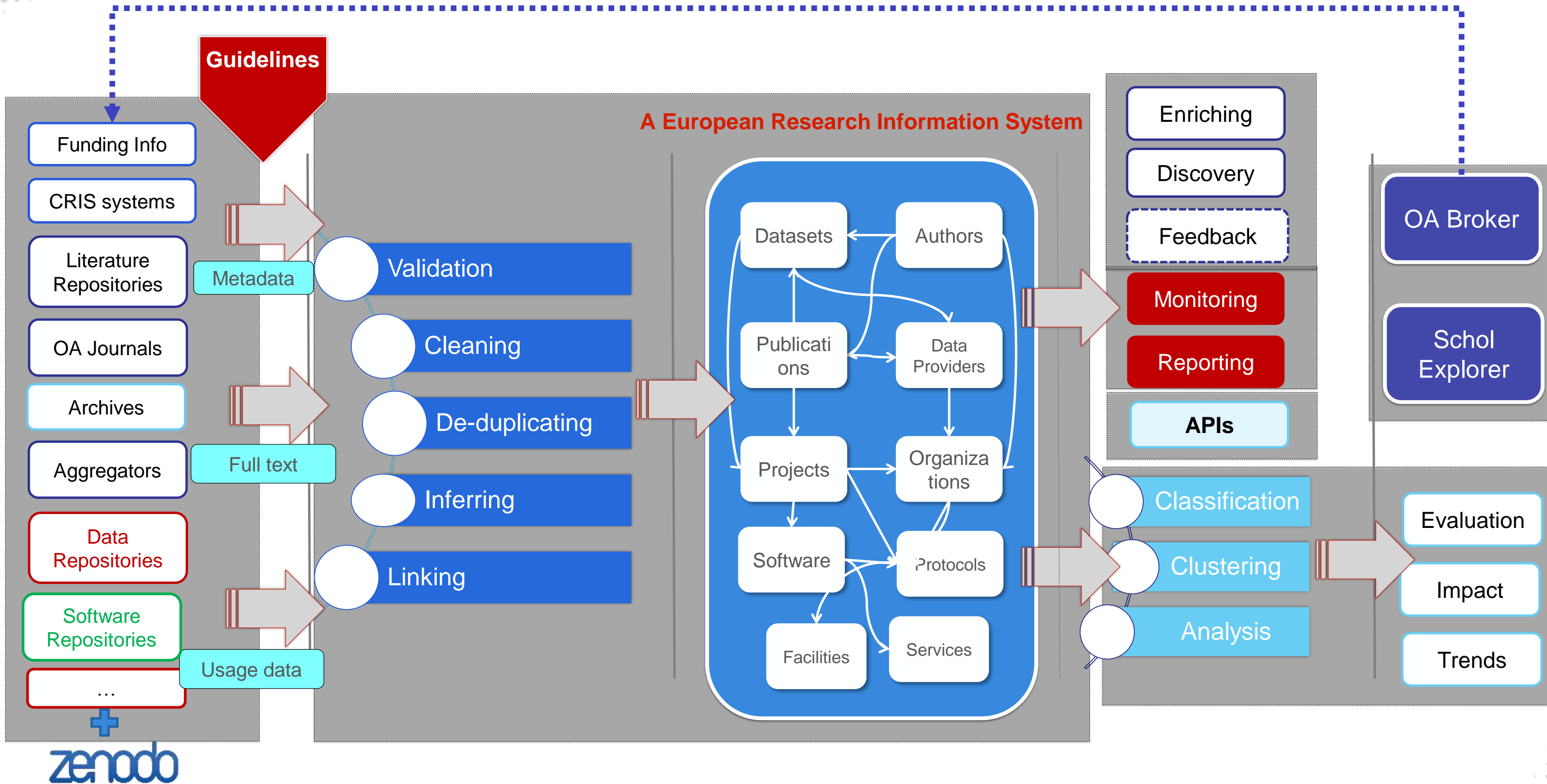
PLEASE SELECT AN AREA FOR YOUR SUPPORT ENQUIRY

- 
DATA PROVIDERS
 Guidelines, validation, registration
- 
OPEN ACCESS
 Questions about Open Access initiatives and specifics.
- 
RESEARCHERS
 All you need to know about depositing Open Access and complying with policies.
- 
POLICY MAKERS
 Funders, policies, mandates, ...
- 
RESEARCH MANAGERS
 How can OpenAIRE help you out
- 
PORTAL SERVICES
 Help on how to use the portal services.
- 
FP7 POST-GRANT OA PUBLISHING FUNDS
 European Commission's post-grant Open Access Pilot and how to access funding for OA publication.

Year	2012	2013	2014	2015	2016	2017	2018*
Total	124	130	190	306	328	294	168

Services





Data Providers (Infrastructure)

OpenAIRE Platform (Middleware)

Services

The Zenodo logo, featuring the word "zenodo" in a blue, lowercase, sans-serif font.

EXPLORE

Researchers - all



SUPPORT

Researchers - all

CONNECT

Research Communities

DEVELOP


Innovators

PROVIDE

Content Providers

MONITOR

Funders & Research Admins

The Scholar Explorer logo, with the word "Scholar" in blue and "Explorer" in orange, separated by a stylized orange and blue network icon.

New site!

www.openaire.eu



SERVICES

SUPPORT

OPEN SCIENCE IN EUROPE

ABOUT

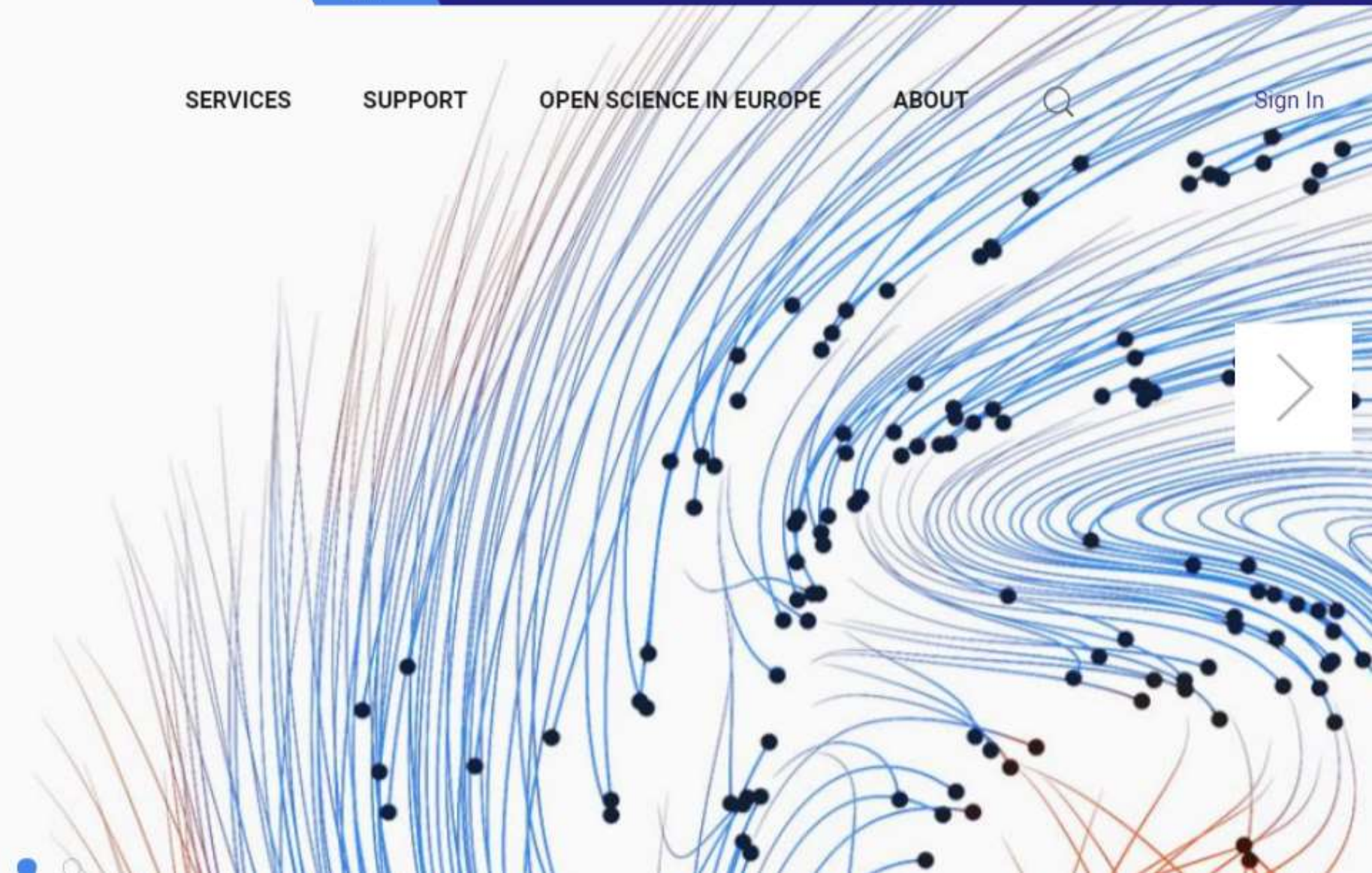


Sign In

Science. Set Free.

Making the transition of
how research is performed
and how knowledge is shared.

LEARN HOW





EXPLORE

PROVIDE

CONNECT

MONITOR

DEVELOP



Sign in | Register

Research Community Dashboard

Your view to open science

feedback



Environment and Economy

Environment and Economy

SUBSCRIBE



Fisheries and Aquaculture Management

Fisheries and Aquaculture Management




Instruct-ERIC

Instruct-ERIC

SUBSCRIBE

PROVIDE



 [Sign in](#) | [Register](#)

OpenAIRE Content Provider Dashboard

A ONE-STOP-SHOP FOR SHARING, FINDING AND ENRICHING YOUR CONTENT

[START HERE](#)





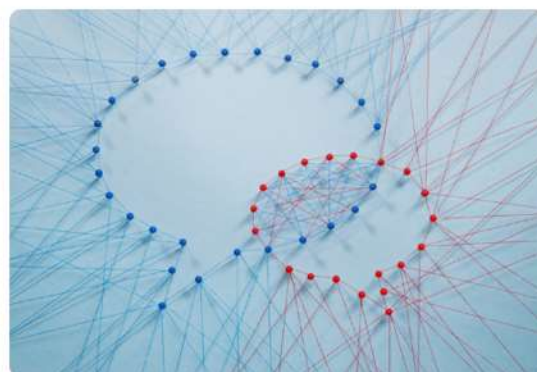
Register

Register data sources in the OpenAIRE infrastructure



Validate

Validate data sources against OpenAIRE guidelines



Notifications

View notifications to enrich the metadata and the content



Metrics

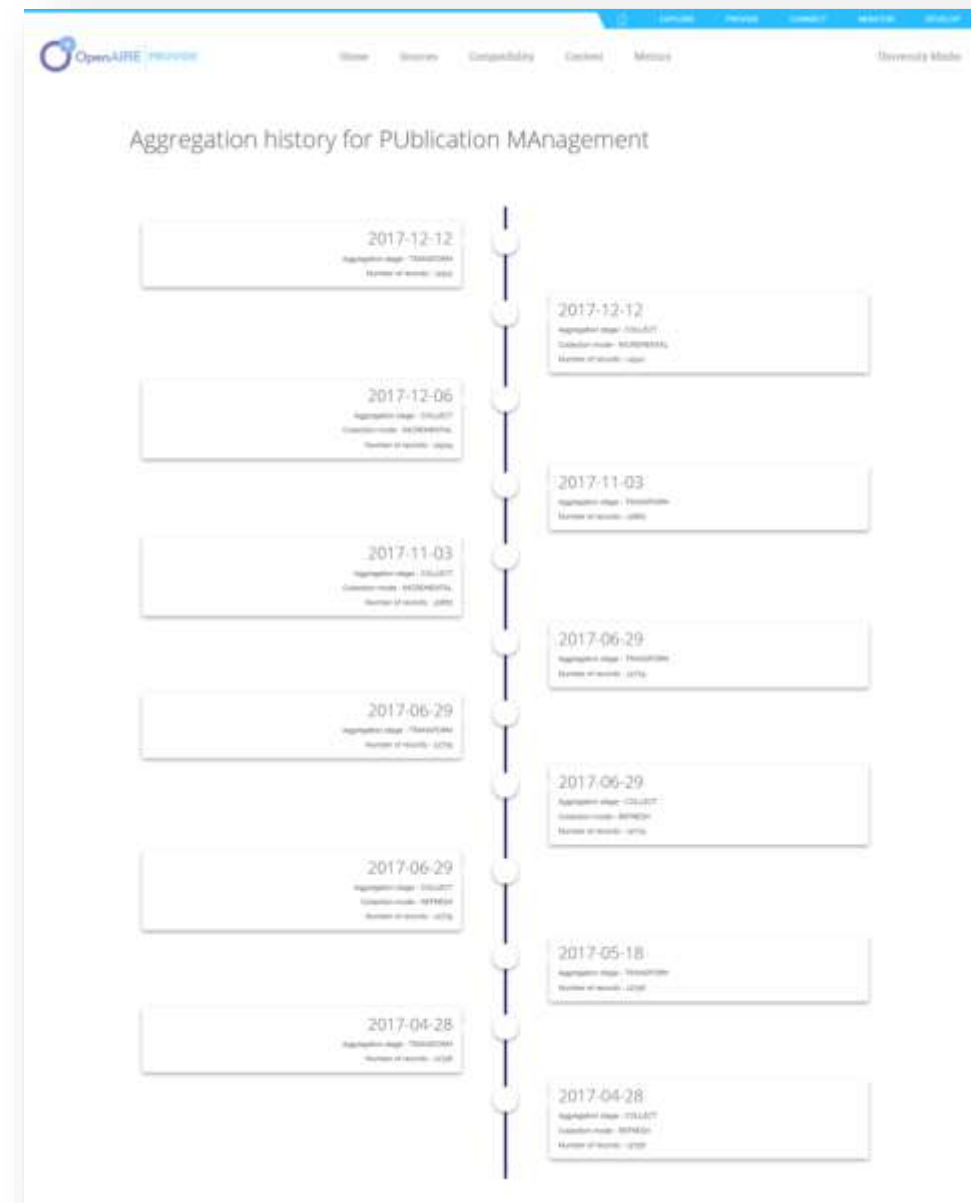
View aggregated, cleaned usage statistics for repository access

PROVIDE Dashboard: Validator

- A service that processes metadata and validates according to a predefined metadata schema (e.g. OpenAIRE guidelines)
- **Configurable for other schemas**



The screenshot shows the 'Run compatibility test' interface on the OpenAIRE PROVIDE dashboard. The navigation bar includes 'Home', 'Sources', 'Compatibility', 'Content', and 'Metrics'. The main heading is 'Run compatibility test'. Below it is a progress bar with four steps: 'Select datasource' (active), 'Select guidelines', 'Select parameters', and 'Finish'. Two options are available for selecting the base URL: 'CHOOSE EXISTING BASE URL' (selected) and 'OR ENTER ONE MANUALLY'. The existing URL is 'http://repositorium.sdum.uminho.pt/oai/openaire'. The footer features the OpenAIRE logo and the European Commission logo.



The screenshot shows the 'Aggregation history for Publication Management' interface on the OpenAIRE PROVIDE dashboard. The navigation bar includes 'Home', 'Sources', 'Compatibility', 'Content', and 'Metrics'. The main heading is 'Aggregation history for Publication Management'. The interface displays a vertical timeline of aggregation events. Each event is represented by a box containing the date, the aggregation step (e.g., 'COLLECT'), the collection name (e.g., 'SDUM'), and the number of records (e.g., '10'). The events are listed in chronological order from top to bottom.

Date	Aggregation Step	Collection Name	Number of Records
2017-12-12	COLLECT	SDUM	10
2017-12-12	COLLECT	SDUM	10
2017-12-06	COLLECT	SDUM	10
2017-11-03	COLLECT	SDUM	10
2017-11-03	COLLECT	SDUM	10
2017-06-29	COLLECT	SDUM	10
2017-06-29	COLLECT	SDUM	10
2017-06-29	COLLECT	SDUM	10
2017-06-29	COLLECT	SDUM	10
2017-05-18	COLLECT	SDUM	10
2017-04-28	COLLECT	SDUM	10
2017-04-28	COLLECT	SDUM	10

PROVIDE Dashboard: OA Broker

- A service that enriches metadata and notifies content provider
- Identifies
 - Missing or additional metadata values: e.g.,
 - abstracts identified in duplicate publications,
 - subjects identified via classification algorithms,
 - IDs (PCMID, DOI),
 - linked projects from other funders
 - Other versions of the publication
 - Related publications, cited data or software
- Currently works for literature repositories. **Pending**: work for all types of repositories and research objects

Open Access Week 2018

- OpenAIRE Content providers Dashboard by Pedro Principe on October 23th at 11 AM CEST
: <https://global.gotomeeting.com/join/285613397>
- OpenAIRE Dashboard for Research Communities (live demo) on October 23th at 11 AM CEST
<https://www.openaire.eu/open-access-week-2018> 3453
- Q&A Open Access Week on October 22nd at 11 AM CEST: <https://global.gotomeeting.com/join/493039637>

Services for RDM



The screenshot shows the easyDMP website dashboard. At the top, there is a navigation bar with the following items: "Data Management Plans", "PROJECTS", "PLANS", and "DATASETS". Below the navigation bar is the easyDMP logo, which consists of a blue clock face with a white circle inside, and the text "easyDMP" below it. To the right of the logo are three white cards with colored icons and text:

Category	Count	Action
Projects	9	Open Projects
DMPs	14	Open DMPs
Datasets	24	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.

OpenAIRE-Athena RC collaboration



[Home](#) [Get Amnesia!](#) [What is Amnesia?](#) [Documentation](#) [On-line version](#)
[About](#)

Amnesia

Amnesia is a data anonymization tool, that
Amnesia not only removes direct identifiers
identifiers like birth date and zip code so
Amnesia supports k -anonymity and k^m -anonymity.

Web platform for testing and intra-net use
Local installations for use

RDA: sensitive data

OpenAIRE: A pillar in EOSC



Why European Open Science Cloud?

- **Now: A fragmented e-infrastructure landscape**
- **End-users, such as researchers, innovators or industry actors, often are unaware of the available e-infrastructure services**
 - Even if users find out about the availability of a certain e-service, it is difficult to gather further information and compare it with other existing services.
- **Service providers and data producers often have difficulty reaching out to potential new users**
 - Even when they reach them, service providers often lack user feedback on the ways they could improve their offerings.



eInfraCentral

eInfraCentral is the European catalogue of e-Infrastructure services and resources. For users, this standardised registry makes it easier to discover and access services and resources. For service providers, this quality oriented registry enables publishing of their services to meet researchers' expectations.

OpenAIRE-Advance

OpenAIRE-Advance facilitates the move to a more open and reproducible scientific landscape by offering a unique set of services to embed Open Science into researcher workflows to promote opening up, sharing and reusing of research outcomes.

EOSC-hub

EOSC-hub brings together multiple service providers to create the Hub: a single contact point for European researchers and innovators to discover, access, use and reuse a broad spectrum of resources for advanced data-driven research.

Driving forward and implementing the EOSC and interlinking **People, Data, Services and Training, Publications, Projects and Organisations**

 <http://einfracentral.eu/>

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

 <https://eosc-hub.eu/>

OpenAIRE: A pillar in EOSC

Governance

National OS coordination

Embed OS at national level

17 NOADs lead and **14 participate** in national OS task forces

Data

OS Helpdesk

Support-Training-Consulting

2016– today

36 workshops in 20 countries with 3,400 participants

81 webinars for 4,500 trainees

Rules Architecture

Interoperability

Make **already running, funded localized services** the cornerstones of EOSC architecture

1,150 content providers via the OpenAIRE guidelines

Services Data

RDM

Zenodo - a universal repository

Amnesia - data anonymization

DMP Service - integral linking to EU & national infrastructures

Data Services Access & Interfaces

Connectivity

ScholExplorer

31 mi literature-data links

500 mi requests

Research Community Dashboard

Connecting services & research outcomes for communities

Data Rules Access & Interfaces

Social engagement

Citizen Science: OS Journal for Schools + seismological data from schools to infras

Open Innovation: Innovative services on open data



Thank you!

Gwen Franck

gwen.franck@eifl.net

This presentation is partly based on

- "OpenAIRE and the

European Open Science Cloud" by Natalia Manola - Turkey Open Science Summit, September 2018

- Building the EOSC together by Jelena Angelis, Tiziana Ferrari, Najla Rettberg, DI4R, October 2018

