



André Dazy

Couperin

NOAD pour la France

OpenAIRE

Une e-infrastructure pour la communication scientifique ouverte



CNRS - 22 janvier 2020



Qu'est-ce qu'OpenAIRE ?

50 partenaires, de tous les pays de l'UE et au-delà, collaborent pour travailler sur cette initiative qui vise à promouvoir la **science ouverte** et à améliorer substantiellement la diffusion et la réutilisation des publications et des données de la recherche.

- Empreinte européenne : 28 pays de l'UE + Islande, Norvège, Suisse, Turquie
- Architecture distribuée : les archives de chaque état sont moissonnées par OpenAIRE et visible sur le portail OpenAIRE
- Début du projet en 2009.

Open Science



What we do

For funders, institutions, RIs, initiatives



Monitor

- Open Science
- Research outcomes

For Content providers, RIs



Accelerate

- Interoperability
- Exchange

For Researchers, ...



Support

- OS Helpdesk
- RDM services

National Open Access Desks (NOADs)

- Couperin est National OpenAIRE Desk (NOAD) pour la France pour ce projet, le CNRS et l'université de Lille sont membres associés

réseau

----> 34 pays

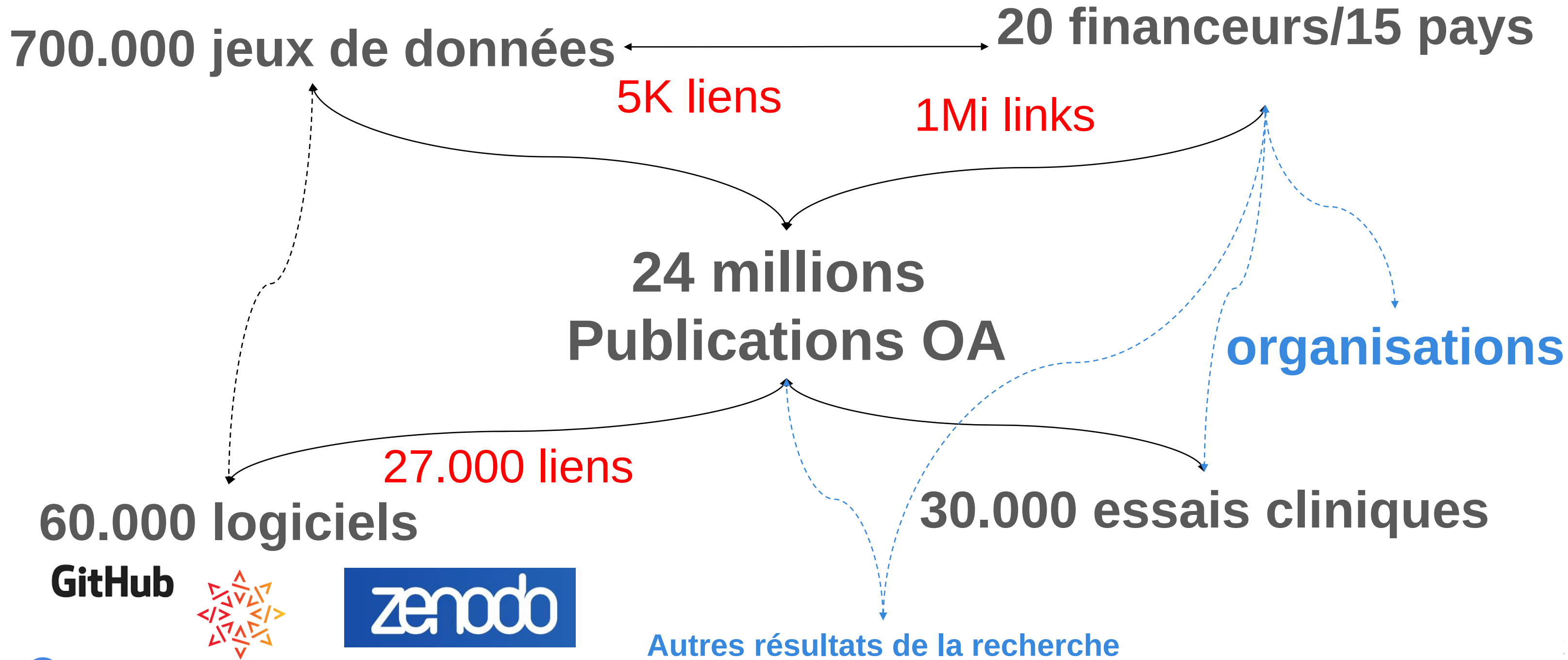
Organisés en 4 régions

----> 4

Lien avec d'autres infrastructures



Quelques chiffres



Services

The background of the slide is a solid blue color. Overlaid on this background is a semi-transparent image. It depicts a human hand reaching out from the right side, with the index finger pointing towards a robotic arm. The robotic arm is positioned diagonally from the bottom left towards the center. At the end of the arm, there is a small, clear, dome-shaped sensor or camera lens. Directly behind this lens is a target symbol consisting of three concentric circles. The overall image has a technological and scientific feel.

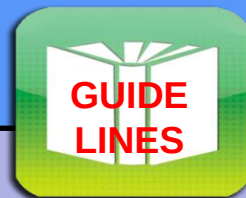
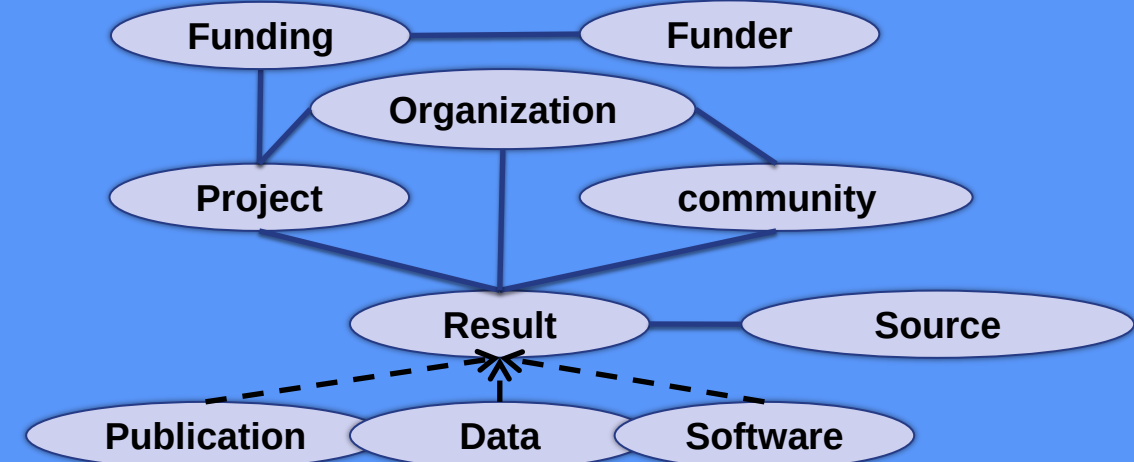
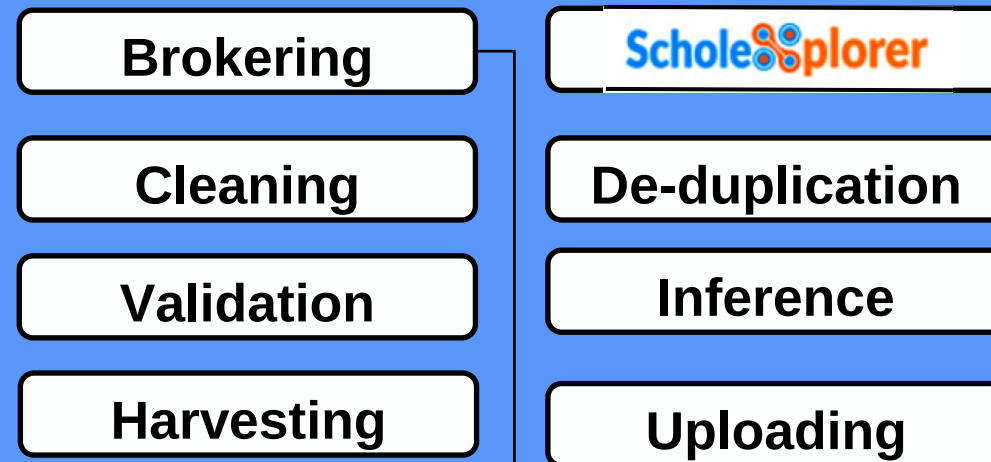
Supporting and monitoring Open Science

Services for all science stakeholders

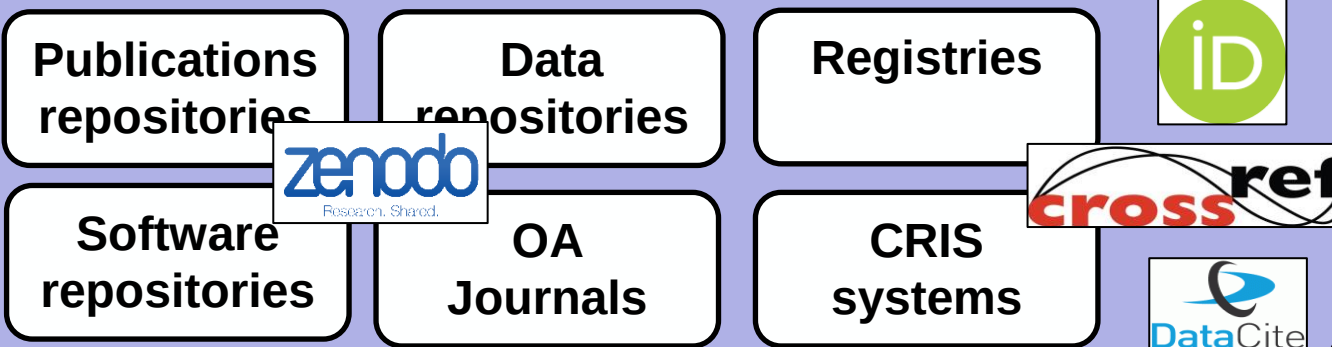
OpenAIRE Dashboards



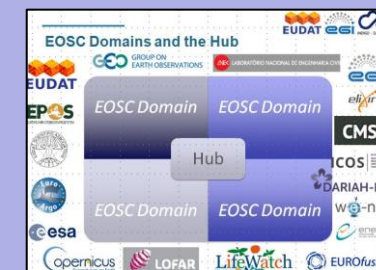
Info Space Services



Content Providers



EOSC-Hub



Research Infras



CONNECT

Research communities

EXPLORE

Researchers (All)

PROVIDE

Content providers

DEVELOP

Innovators

MONITOR

Research managers
Funders

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

EXPLORE

Researchers - all



SUPPORT

Researchers - all

CONNECT

Research Communities

DEVELOP

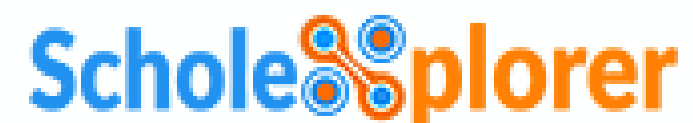
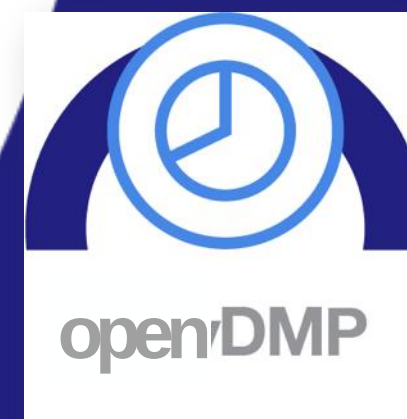
Innovators

PROVIDE

Content Providers

MONITOR

Funders & Research Admins

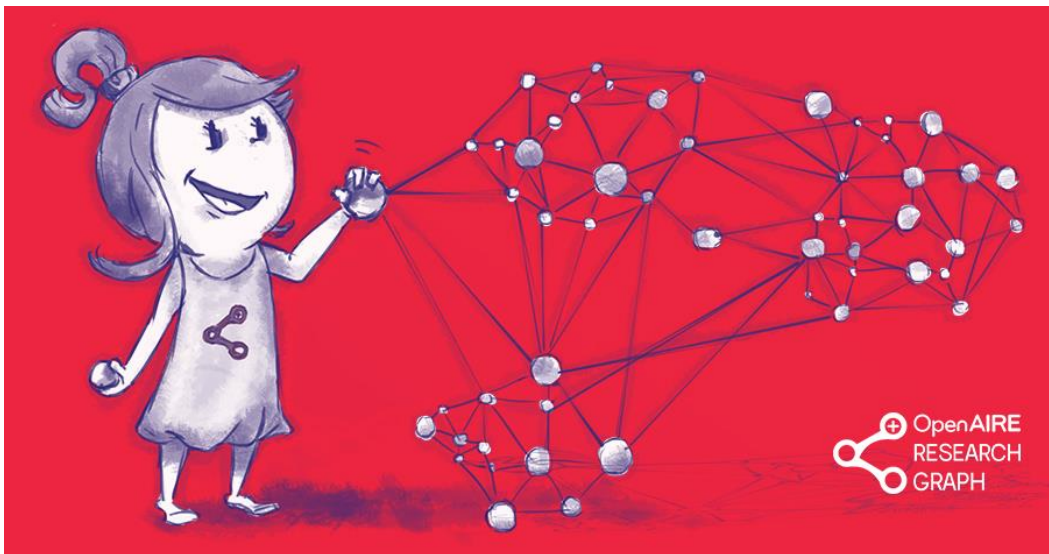
The Scholeplorer logo, which includes a stylized blue and orange icon of a person's head and shoulders next to the word "Scholeplorer" in a blue, lowercase, sans-serif font.

Quelques services



ARGOS (<https://argos.openaire.eu>) est un outil en ligne qui s'appuie sur des processus automatisés pour la création, la gestion, le partage et le lien entre les plans de gestion des données et les données de recherche auxquels ils correspondent.

La liste des services proposés par OpenAIRE se trouve ici : <http://catalogue.openaire.eu/search>



L'API OpenAIRE Graph permet aux développeurs de créer des services facilitant la communication universitaire et la mise en place d'indicateurs de la recherche.

L'OpenAIRE research graph sera une ressource cruciale pour EOSC, en lui fournissant un catalogue de tous les résultats scientifiques, essentiel pour favoriser la science ouverte et établir ses pratiques dans les activités de recherche quotidiennes.



A general purpose repository



OpenAIRE-CERN collaboration

A trusted catch-all repository hosted at CERN
with a global outreach

Allows publishing of long tail of science & provides big data capacities (using CERN's backend)



Type
☐ Image (184402) +
☐ Publication (147247) +
☐ Dataset (28992)
☐ Software (18429)
☐ Presentation (4195)
☐ Poster (1826)
☐ Other (702)
☐ Video (678)
☐ Lesson (513)

Links to GitHub

Zenodo: May 2018 report

- **Content (205,000 records)**

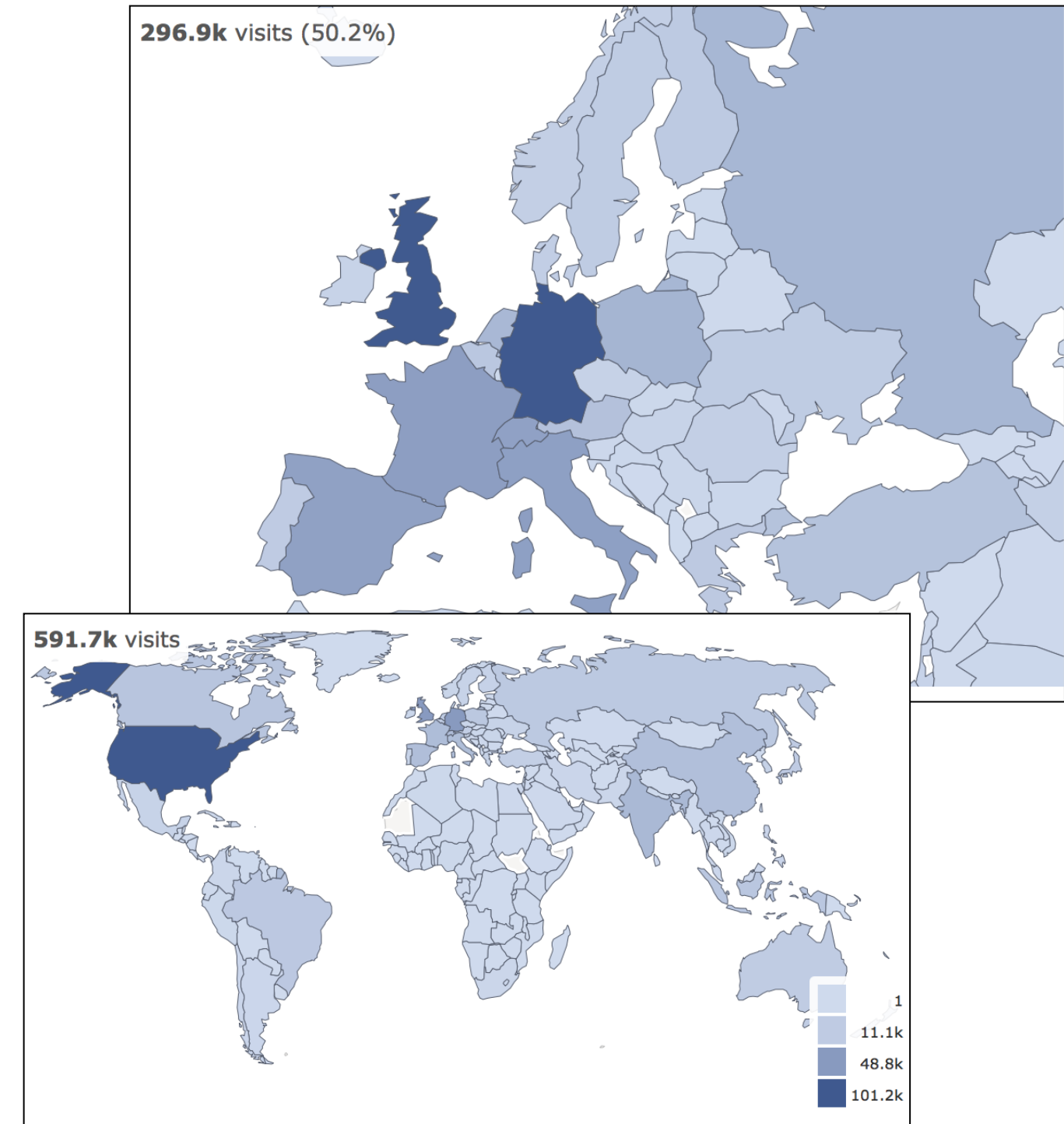
- Datasets: 28,900
- Software: 18,400
- Publications: 147,000
- Images: 184,000
- Other: 8,000

- **Infrastructure**

- 30 nodes, 125 TB

- **Usage:**

- 592,000 visits in 2017



PROVIDE



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

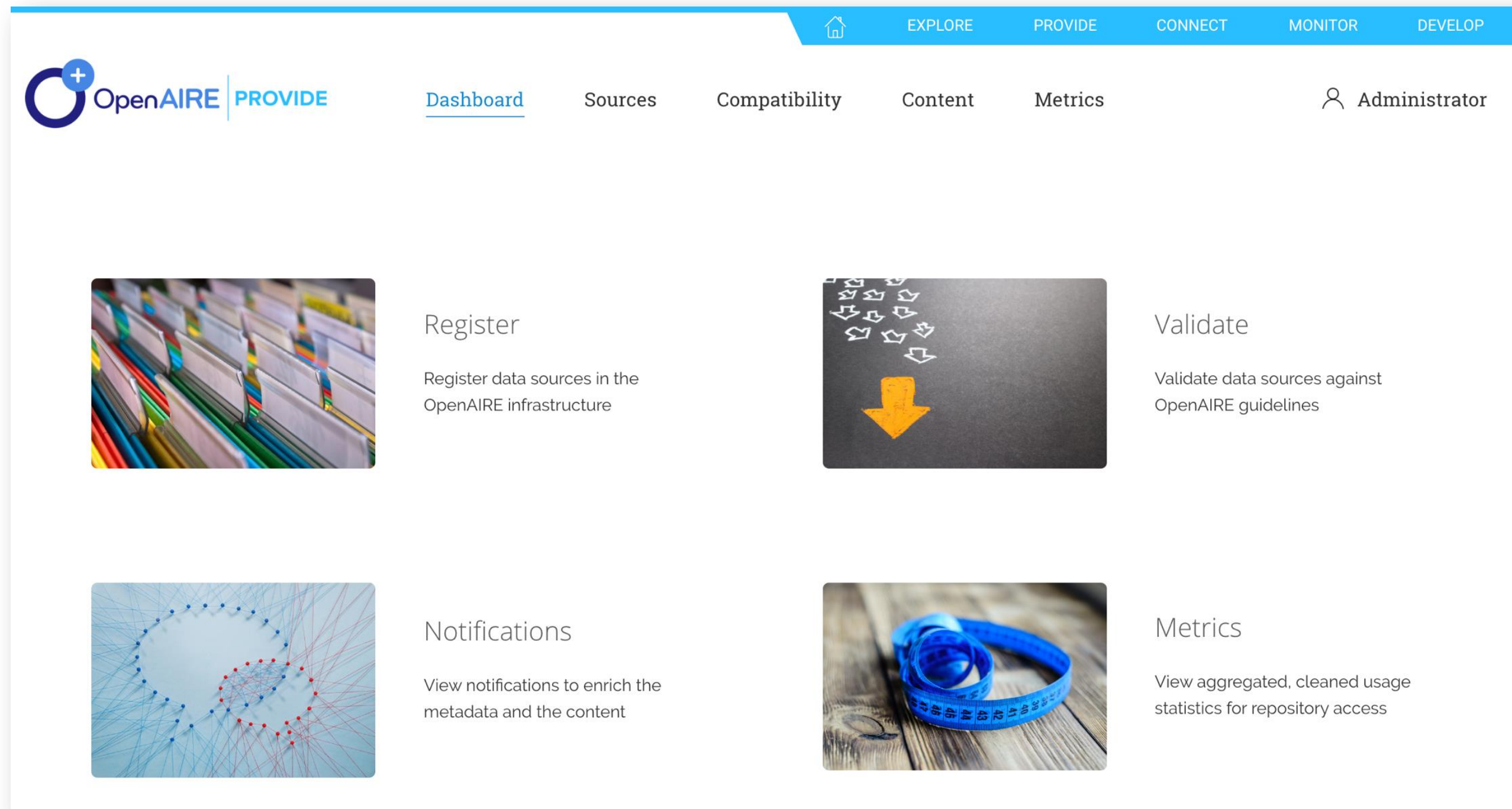
OpenAIRE Content Provider Dashboard

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

START HERE



Functionalities



The screenshot displays the OpenAIRE PROVIDE dashboard interface. At the top, a blue navigation bar contains the following tabs: a home icon, EXPLORE, PROVIDE, CONNECT, MONITOR, and DEVELOP. Below this, the main header area includes the OpenAIRE PROVIDE logo on the left, a series of navigation links (Dashboard, Sources, Compatibility, Content, Metrics) in the center, and an Administrator link with a user icon on the right. The dashboard content is organized into four distinct functional blocks, each featuring a representative image and a brief description:

- Register:** Accompanied by an image of colorful file folders, the text reads: "Register data sources in the OpenAIRE infrastructure".
- Validate:** Accompanied by an image of a large yellow arrow pointing downwards, the text reads: "Validate data sources against OpenAIRE guidelines".
- Notifications:** Accompanied by an image of a network graph with blue and red nodes, the text reads: "View notifications to enrich the metadata and the content".
- Metrics:** Accompanied by an image of a blue measuring tape on a wooden surface, the text reads: "View aggregated, cleaned usage statistics for repository access".

CONNECT

EXPLOREPROVIDECONNECTMONITORDEVELOP

OpenAIRECONNECT

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

Moving towards Researchers

Research Community Dashboard

Data Publications Software



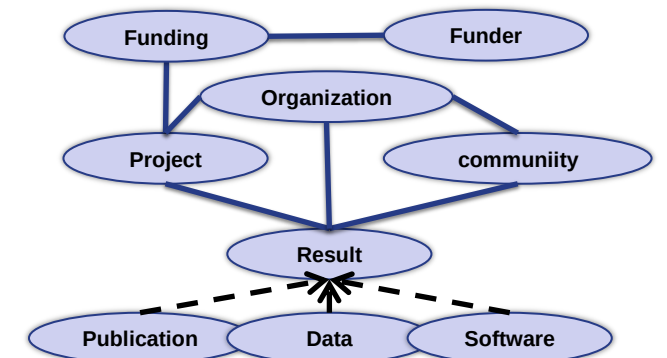
Publishing via RCD and APIs

Accessing via RCD and APIs



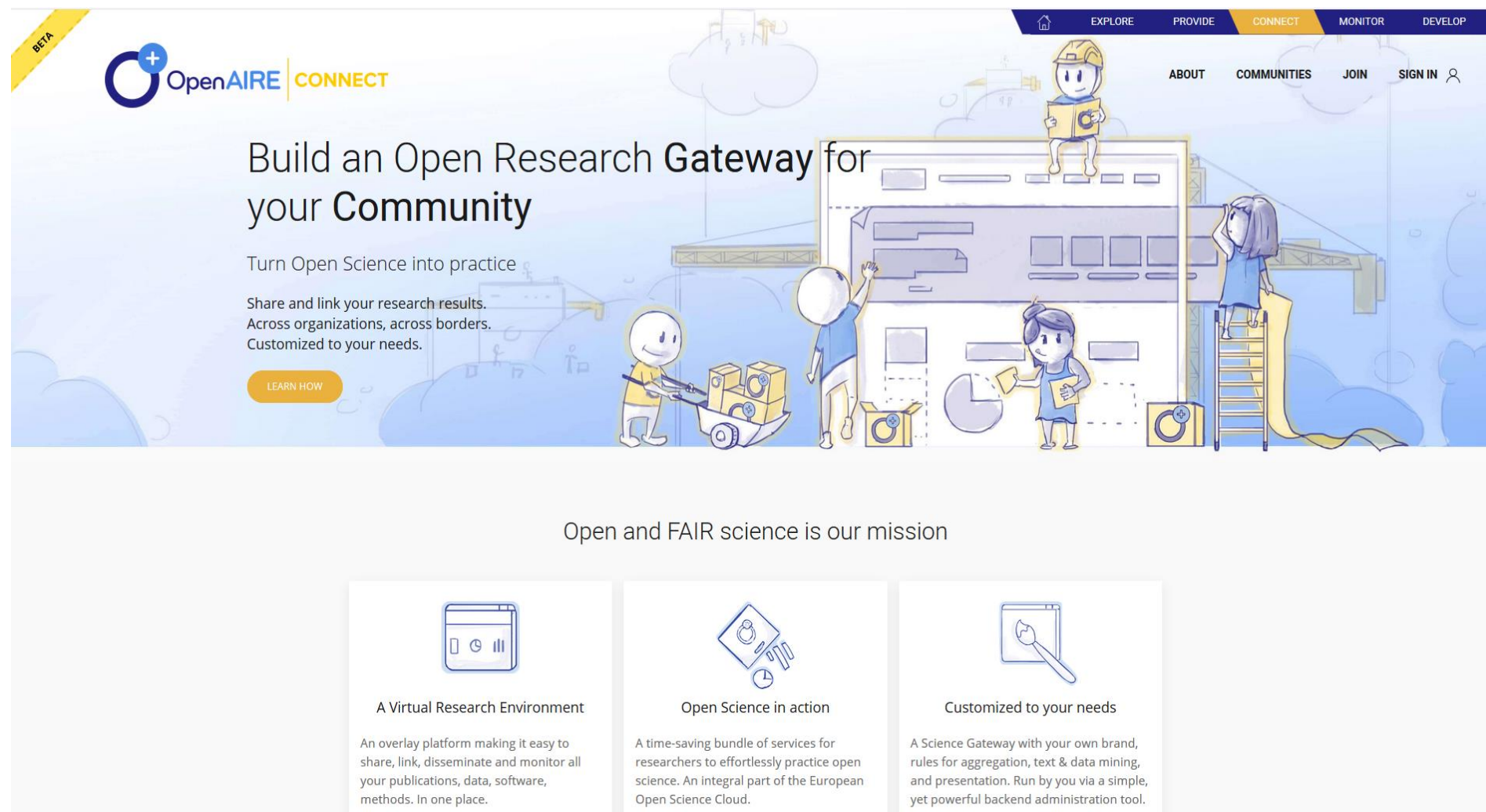
zenodo

Research. Shared.



Moving towards Researchers

Research Community Dashboard



BETA

OpenAIRE | **CONNECT**

EXPLORE **PROVIDE** **CONNECT** **MONITOR** **DEVELOP**

ABOUT **COMMUNITIES** **JOIN** **SIGN IN**

Build an Open Research Gateway for your Community

Turn Open Science into practice

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

[LEARN HOW](#)

Open and FAIR science is our mission



A Virtual Research Environment

An overlay platform making it easy to share, link, disseminate and monitor all your publications, data, software, methods. In one place.



Open Science in action

A time-saving bundle of services for researchers to effortlessly practice open science. An integral part of the European Open Science Cloud.



Customized to your needs

A Science Gateway with your own brand, rules for aggregation, text & data mining, and presentation. Run by you via a simple, yet powerful backend administration tool.

Research communities

European Marine Sciences
(Pangaea and Atlas community)

Cultural Heritage and Digital
Humanities (the PARTHENOS
research infrastructure)

Neuroinformatics (France Life
Imaging national infrastructure)

Fisheries and aquaculture
management (the BlueBridge and
MARBEC infrastructures)

Environment & Economy
(national/EU node of the United
Nations Sustainable Development
Solutions Network)

EGI

INSTRUCT

RDA

AgInfra+

CLARIN

ELIXIR

OpenRiskNet

Ecology and Evolution

EGA

DARIAH

SoBigData.eu

EPOS

RISIS

Research Community Dashboard

BETA



Search for research results

[SEARCH](#) [DEPOSIT](#) [LINK](#) [SIGN IN](#)

European Marine Science

European Marine Science

This community was initially defined to include a very broad range of topics, with the intention to generate a number of more focused and sustainable dashboards for research communities and initiatives. As outlined in the logo of this community, we intend to setup a community dashboard for EuroMarin...

[View more](#)

SUBSCRIBE

20,504
publications

109,856
research data

464
software

2,005
other products

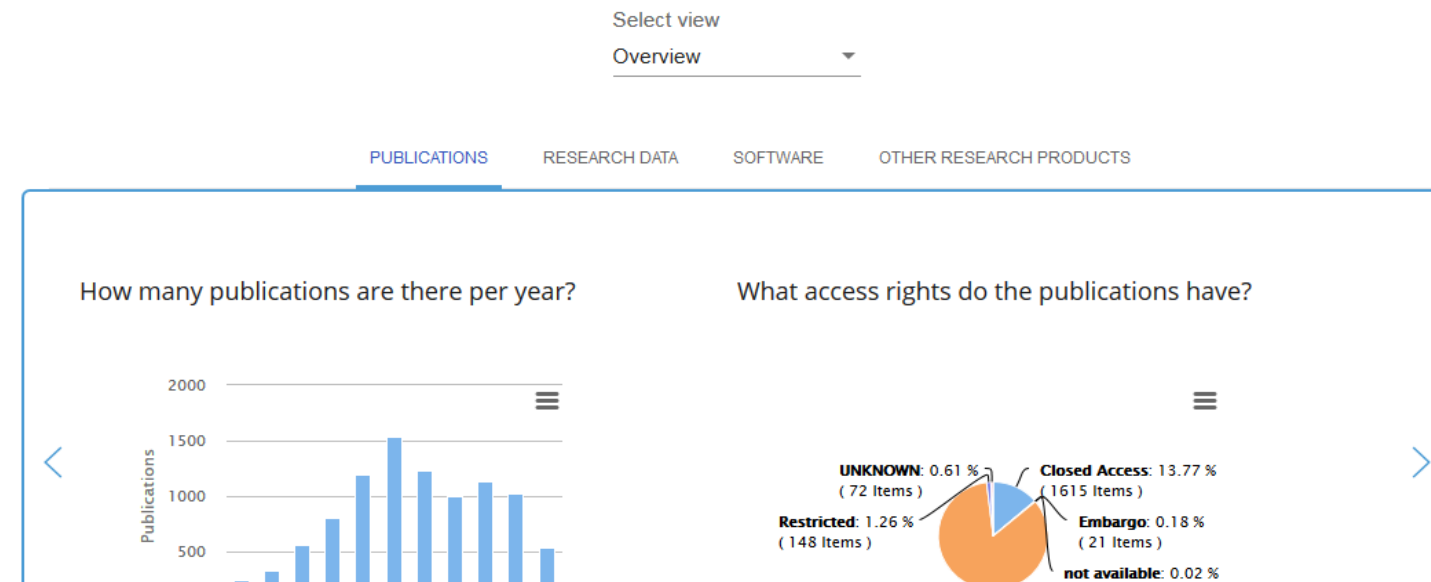
662
projects

4
content providers

Subjects

[MARINE](#) [OCEAN](#) [FISH](#) [AQUA](#)

[View more](#)



MONITOR

OpenAIRE | MONITOR

Services Support About SIGN IN |

Tracking, reporting, monitoring made easy

750.000 PUBLICATIONS 3.000 DATASETS 230 SOFTWARE

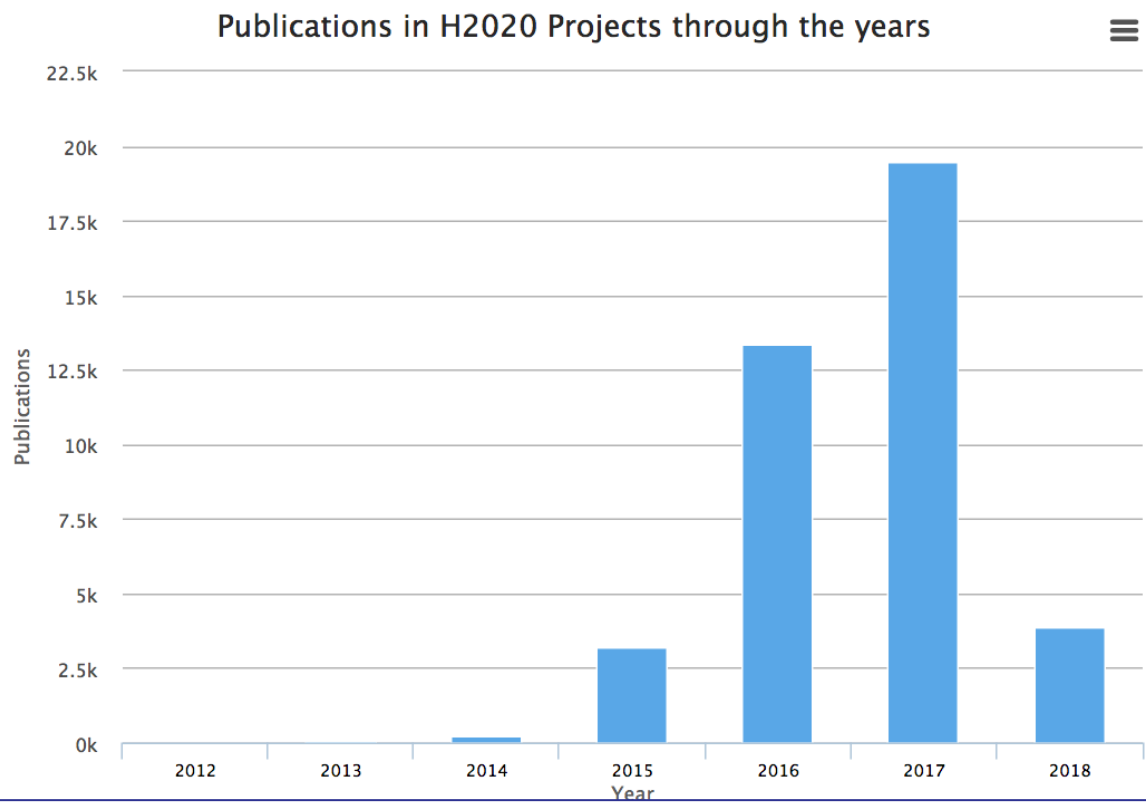
LINKED TO 15 FUNDERS

Funder Dashboard

European Commission - H2020

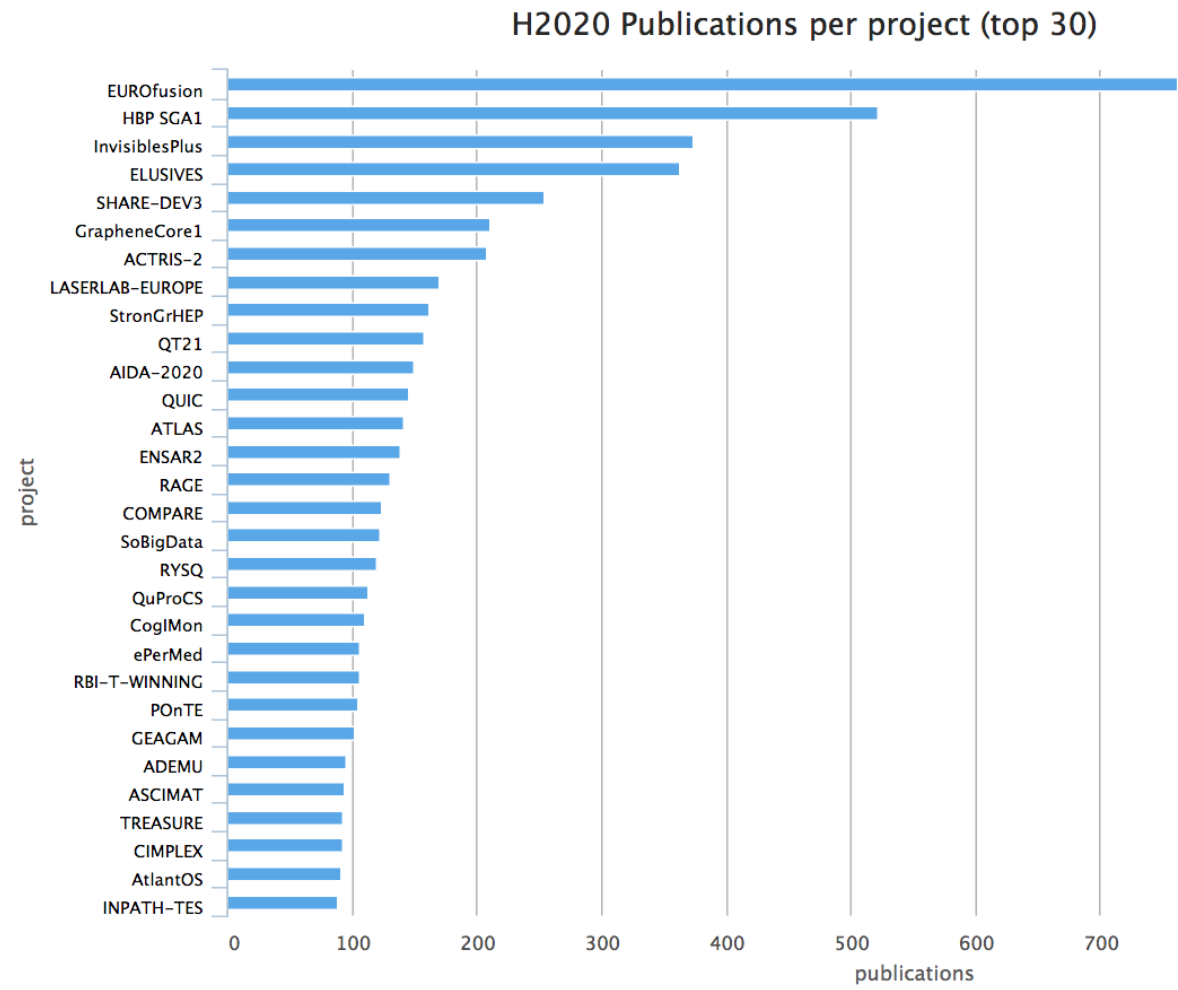


38,082 publications in 5,133 projects (from a total of 17,845)
29,318 are OA, 260 are restricted and 230 are still in embargo [\[Graph\]](#)



About Publications

Top 30 projects in publications



Other products

- **Institutional Dashboard**
- **Project Dashboard**



OpenAIRE et EOSC

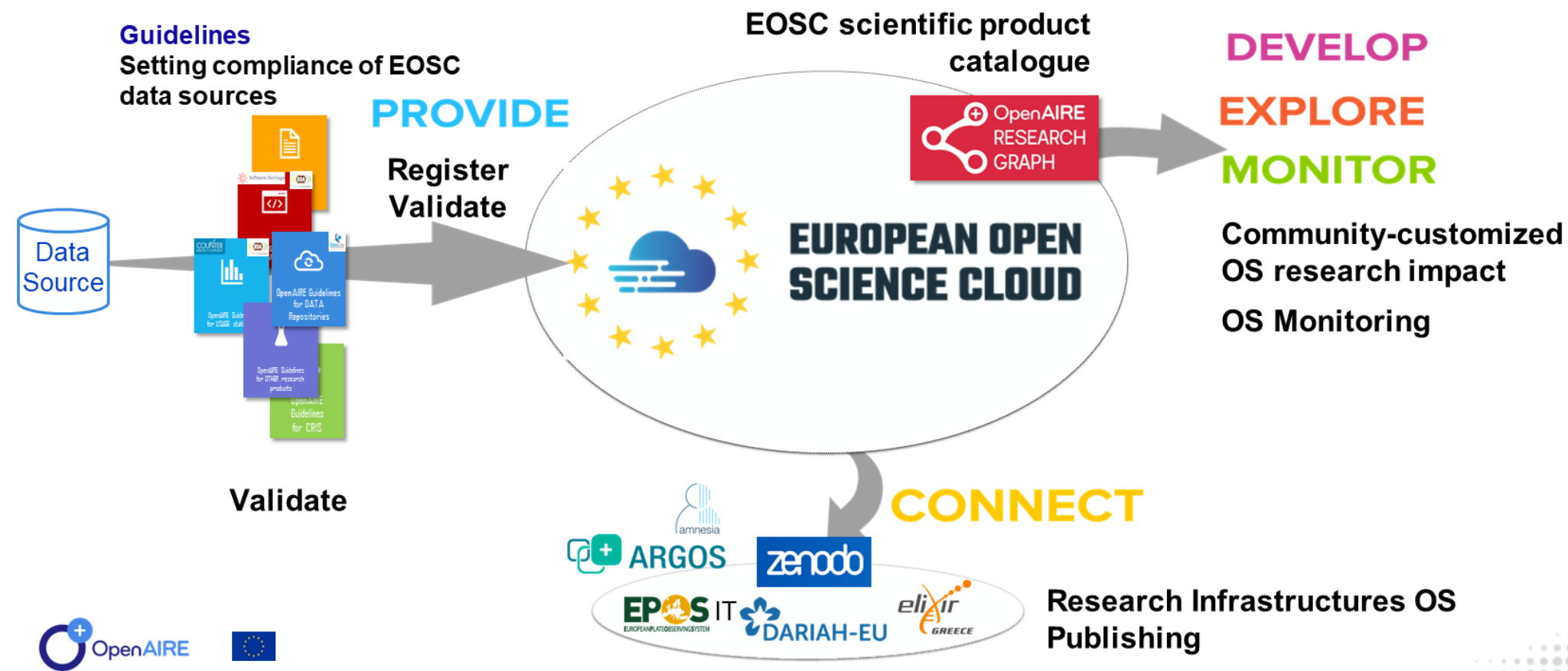
- **Un engagement à travers l'Europe pour le partage des données et des services**
 - La concrétisation de l'engagement de l'UE à rendre la recherche scientifique plus efficace et plus rentable.
 - Il établira de meilleurs liens entre les différents instituts et organisations à travers l'Europe, ce qui rendra plus rapide et plus facile le partage de tous les types de données, d'outils et de services.
- **Un environnement virtuel**
 - Doté de services pour le stockage, la gestion, l'analyse et la réutilisation des données de recherche au-delà des frontières et des disciplines scientifiques
 - En fédérant les infrastructures de données scientifiques existantes actuellement dispersées entre disciplines et pays

- **OpenAIRE et EOSC**

OpenAIRE et 18 infrastructures paneuropéennes fourniront à **près de 2 millions de chercheurs** un ensemble de services et de ressources sur un environnement virtuel pour le stockage, la gestion, l'analyse et la réutilisation des données de recherche au-delà des frontières et des disciplines scientifiques en fédérant les infrastructures de données scientifiques existantes actuellement dispersées entre disciplines et pays.

OpenAIRE et EOSC

OpenAIRE **services** placed in EOSC



OpenAIRE in EOSC: Where we Contribute

<https://www.openaire.eu/openaire-and-eosc>

Intérêt de faire partie d'OpenAIRE

- OpenAIRE structure le paysage européen de la science ouverte
- OpenAIRE est une porte d'entrée dans EOSC
Natalia Manola, directrice d'OpenAIRE est à l'executive board d'EOSC
OpenAIRE répondra aux appels à projets INFRAEOSC en tant qu'organisation (nouvelle entité juridique)
- OpenAIRE est une source de financement pour les développements que la France voudrait entreprendre

20/01/2020

27

Merci !

Thank you!

André Dazy

andre.dazy@couperin.org

