

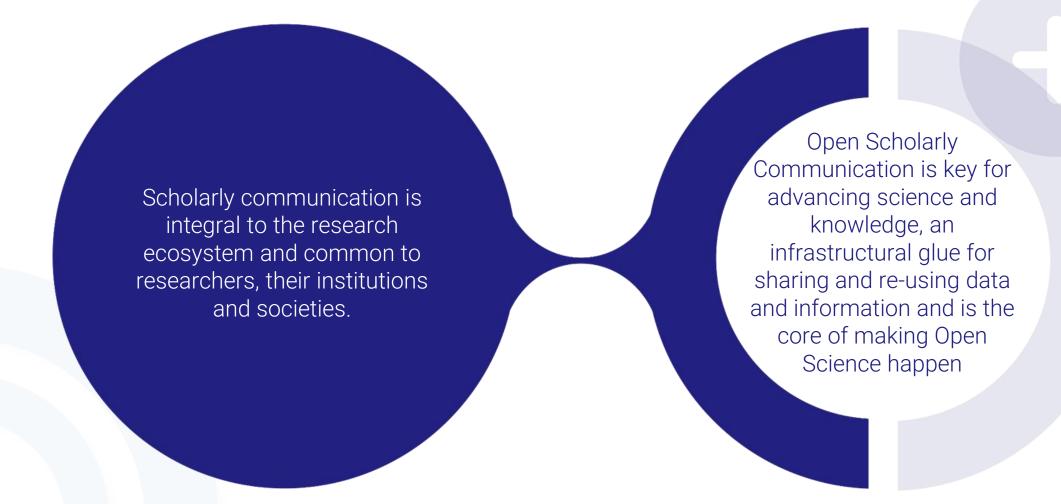
Services for scholarly communication

Inge Van Nieuwerburgh OpenAIRE chair





OpenAIRE AMKE was established in 2018 as a non-profit organisation. It is a Scholarly Communication e-Infrastructure that brings together **human capital** and **advanced ICT services.**



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- o REGULAR MEMBERS

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Established Oct 2018

office

48 members

From 34 countries



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University in Skopje

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Stichting elFL.net

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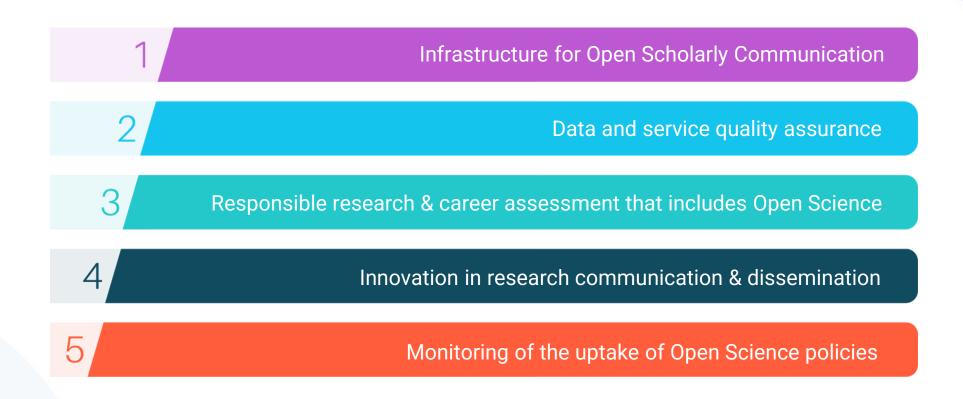
OUR **VISION**

Transform society through validated scientific knowledge and allow researchers, educators, funders, civil servants and industry to find ways to make science useful for themselves, their working environments and society.

OUR MISSION

Shift scholarly communication towards openness and transparency, mobilising R&I actors to co-develop, co-invest and assume co-ownership of an open scholarly communication ecosystem.

Strategy 2023 - 2025



3 pillars of action



Some key elements





#1 - Interoperability

it's about onboarding, connecting, discovering





GUIDELINES FOR CONTENT PROVIDERS

A COMMON METADATA FRAMEWORK FOR EXCHANGING MIN METADATA INFORMATION





https://guidelines.openaire.eu



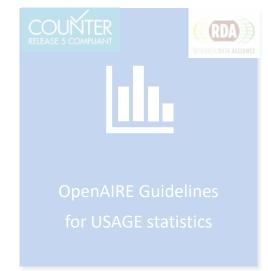
OpenAIRE Guidelines for LITERATURE Repositories v4.0









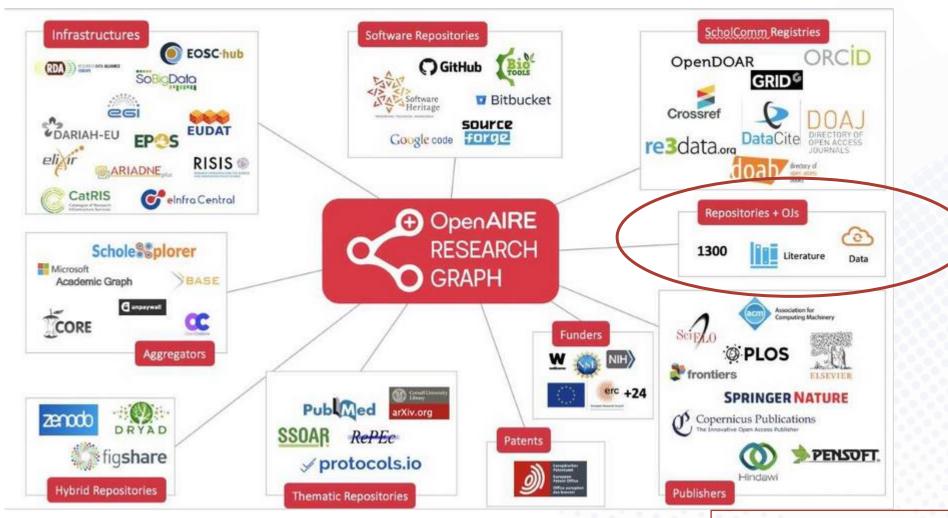






OpenAIRE Research Graph

https://guidelines.openaire.eu/en/latest/







#2 – Services

for all R&I actors





OPENAIRE SERVICES IN A NUTSHELL



Tracking open research

Reproduciblity and transparency require tracking of all outcomes of science and related "context"



Discovering open research

Discovery of reproducibe
science outcomes must find
new ways, driven by
"scientific intentions" that go
beyond the "find articles
related to a research topic"



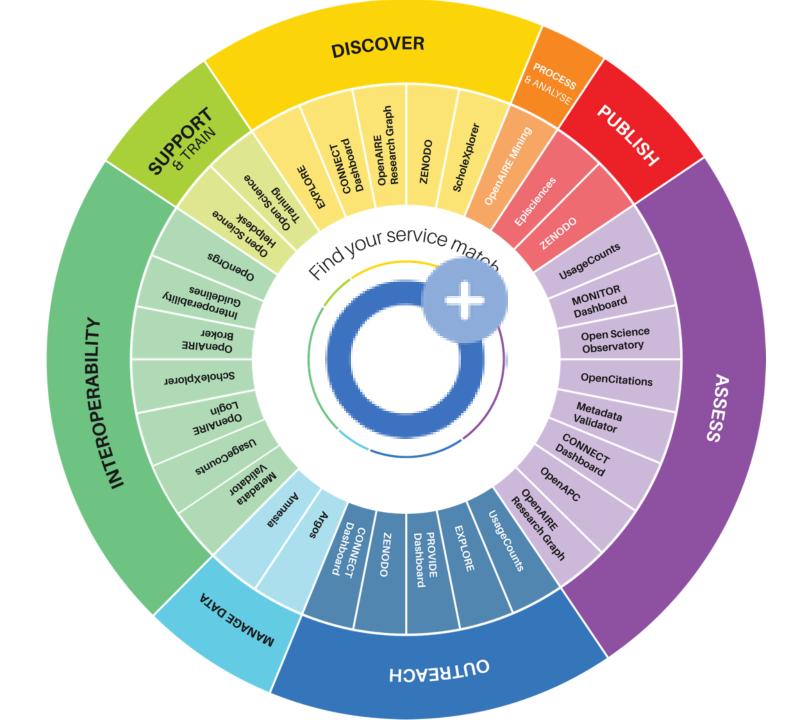
Monitoring (open) research

Monitoring quality, impact, and "open scienceness" of science should be a transparent, reproducible process for all, inclusive of research "context"





A RANGE OF **SERVICES** COVERING ALL RESEARCH LIFE CYCLE



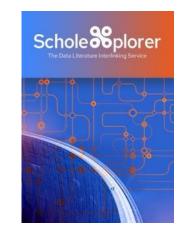
































http://catalogue.op enaire.eu

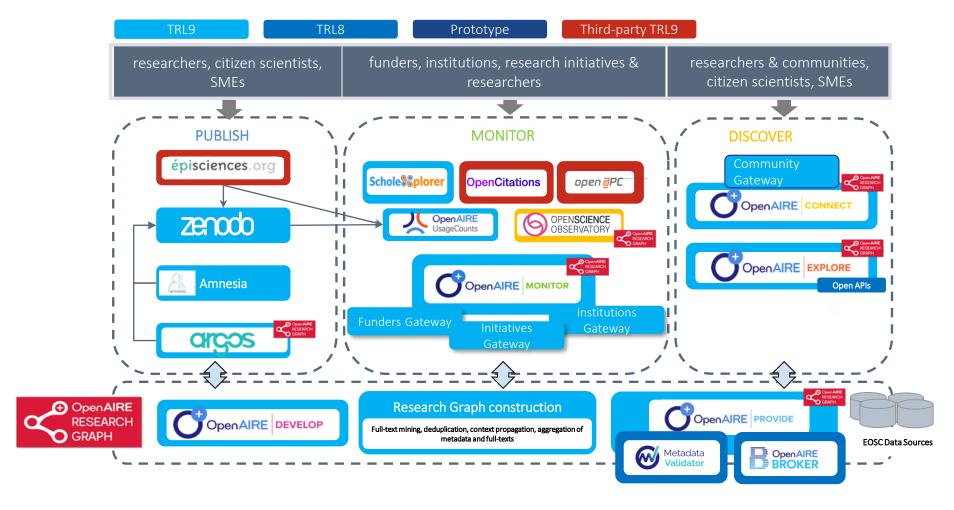








OPENAIRE SERVICES — ALL INTERCONNECTED





Zenodo

Research products **Communities** Multidisciplinary



Q

View

View

View

Log in

Coronavirus Disease Research Community - COVID-19

Recent uploads

Search Coronavirus Disease Research Community - COVID-19

March 22, 2022 (v1) Journal article Open Access

Correlates of Protection Against SARS CoV-2 Infection and Covid 19 Disease

Goldblatt, David; Alter, Galit; Crotty, SHane; Plotkin, Stanley;

Antibodies against epitopes in S1 of SARS-2 coronavirus give the most accurate correlate of protection against infection. Measurement of those antibodies by neutralization or binding assays have predictive value. However, the protective functions of antibodies are multiple, including Fc effect

Uploaded on March 22, 2022

March 20, 2022 (106) Dataset Open Access

A large-scale COVID-19 Twitter chatter dataset for open scientific research - an international collaboration

👵 Banda, Juan M.; 💿 Tekumalla, Ramya; Wang, Guanyu; Yu, Jingyuan; Liu, Tuo; Ding, Yuning; Artemova, Katya; Tutubalina, Elena; (i) Chowell, Gerardo;

Version 106 of the dataset. The peer-reviewed publication for this dataset has now been published in Epidemiologia an MDPI journal, and can be accessed here: https://doi.org/10.3390/epidemiologia2030024. Please cite this when using the dataset. Due to the relevance of the

Holoaded on March 21, 2022

Published in Enidemiologia, vol. 2, issue 3, pp. 315-324,

106 more version(s) exist for this record

July 12, 2021 (1.2) Software Open Access

Analysis Code: Digital contact tracing contributes little to COVID-19 outbreak containment

6 Burdinski, Angelique; 6 Brockmann, Dirk; 6 Maier, Benjamin F;

Digital Contact Tracing This package provides the simulation, analysis, and figure code for the manuscript 'Digital contact tracing contributes little to COVID-19 outbreak containment" by A. Burdinski, D. Brockmann, and B. F. Maier. ## Prerequisites The analysis code was used and test

Uploaded on March 21, 2022

2 more version(s) exist for this record

December 6, 2021 (v2) Dataset Open Access

The translational landscape of SARS-CoV-2 and infected cells reveals suppression of innate immune genes

Sebla B Kutluay;

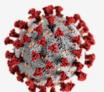
SARS-CoV-2 utilizes a number of strategies to modulate viral and host mRNA translation. Here, we used ribosome profiling in SARS-CoV-2 infected model cell lines and primary airway cells grown at the air-liquid interface to gain a deeper understanding of the translationally regulated events in respon

Uploaded on March 21, 2022

1 more version(s) exist for this record

A New upload





Coronavirus Disease Research Community - COVID-19

This community collects research outputs that may be relevant to the Coronavirus Disease (COVID-19) or the SARS-CoV-2. Scientists are encouraged to upload their outcome in this collection to facilitate sharing and discovery of information. Although Open Access articles and datasets are recommended, also closed and restricted access material are accepted. All types of research outputs can be included in this Community (Publication, Poster, Presentation, Dataset, Image, Video/Audio, Software, Lesson, Other).

Read more

Curated by:

Covid19_Team_OpenAIRE

Curation policy:

The Coronavirus Disease Research Community -COVID-19 is curated by a selected team of experts nominated by OpenAIRE* (see list below). Each time a Zenodo user wants to add a record into the community an email is sent to the curators that will decide whether to include the record or not.

Only records that may be relevant to the Corona Virus Disease (COVID-19) or the SARS-CoV-2 should be included in this community. The Community curators are not able to edit records, therefore they may ask the corresponding authors to modify the record metadata when necessary, to provide the readers/users with more detailed information according to the FAIR principle of Open Science.

If after its acceptance, a record is subsequently found not to be compliant, we reserve the right to remove it from the community.

OpenAIRE Explore

https://explore.openaire.eu/

Ref

Science for UN Sustainable Development Goals

Laying the foundation for new approaches and solutions.

We have developed a classification scheme for UN Sustainable Development Goals, to view contributions of research towards complex challenges for humanity such as climate change, biodiversity loss, pollution and poverty reduction.





















625,768 RESEARCH PRODUCTS



247,661 RESEARCH PRODUCTS







627,473 RESEARCH PRODUCTS



431,266 RESEARCH PRODUCTS



85,950 RESEARCH PRODUCTS





RESEARCH PRODUCTS







Photo by Nick Hillier on Unsplash

Some numbers (this year to date)

- AAI: 24K users actively using OpenAIRE AAI, even though most services do not require login
- Zenodo: 181K researchers have shared 66PB of data
- Amnesia: 15K visits, 450 downloads (installations?)
- Argos: 1200 researchers making their DMPs
- **PROVIDE:** 2.5K data sources registered & validated, generating 25M brokering events
- UsageCounts: 500 repositories capturing 785M downloads





Photo by Nick Hillier on Unsplash

Some numbers (this year to date)

- **EXPLORE:** 1700 users have claimed 61K research results to 1700 projects and 35K claims to ORCID
- OpenCitations: 1.3B citation records, 82M API requests
- MONITOR & CONNECT: 40+ dashboards in use
- Episciences: 25 Journals, 10K users and 500 submissions
- Graph
 - 145M publications, 18M research data, 304K research software items, from 110K data sources, linked to 3M grants and 178K organizations
 - 35M API requests, 6K dumps



Training

- For all services
- Community of practice OS training coordinators
- OpenPlato



#3 – OpenAIRE services & EOSC

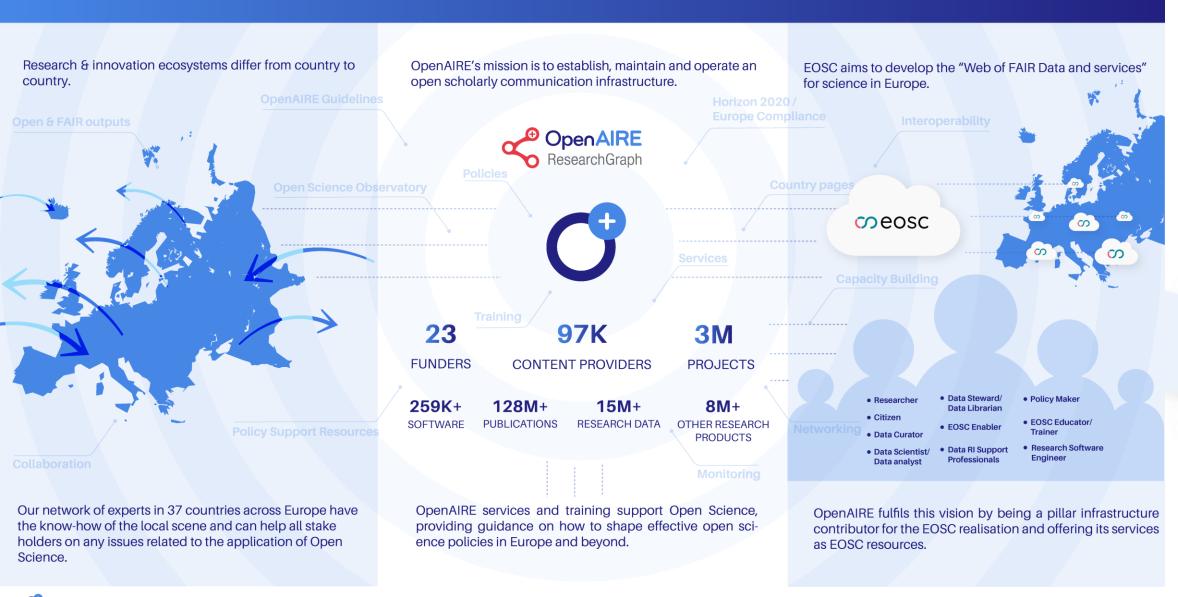
contributing to the EOSC Core





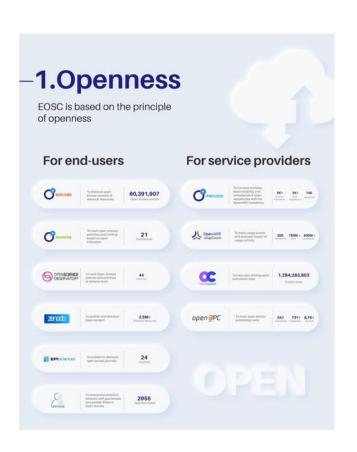
OpenAIRE in EOSC and the Scholarly Communication ecosystem

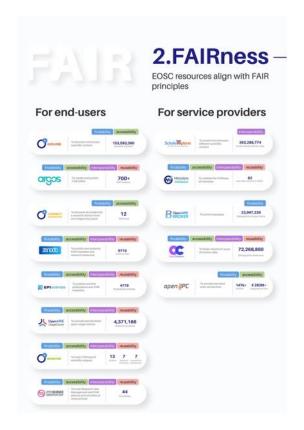
EOSC, OpenAIRE and NOADs





OPENAIRE SERVICES IN EOSC











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Inge.vannieuwerburgh@ugent.be

Twitter

@openaire_eu





