



**Alessia Bardi**

ISTI-CNR / OpenAIRE

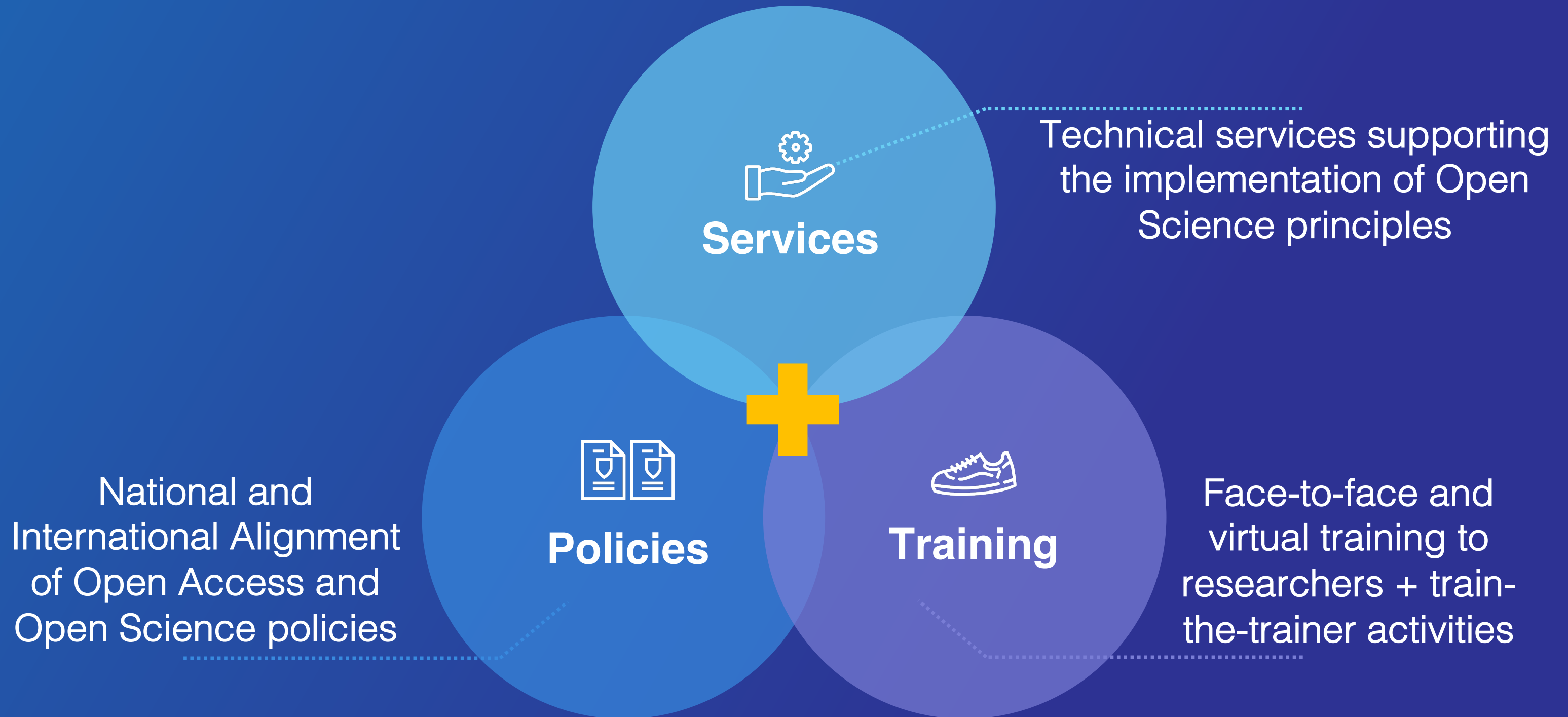
# The OpenAIRE COVID-19 Gateway

<https://beta.covid-19.openaire.eu/>



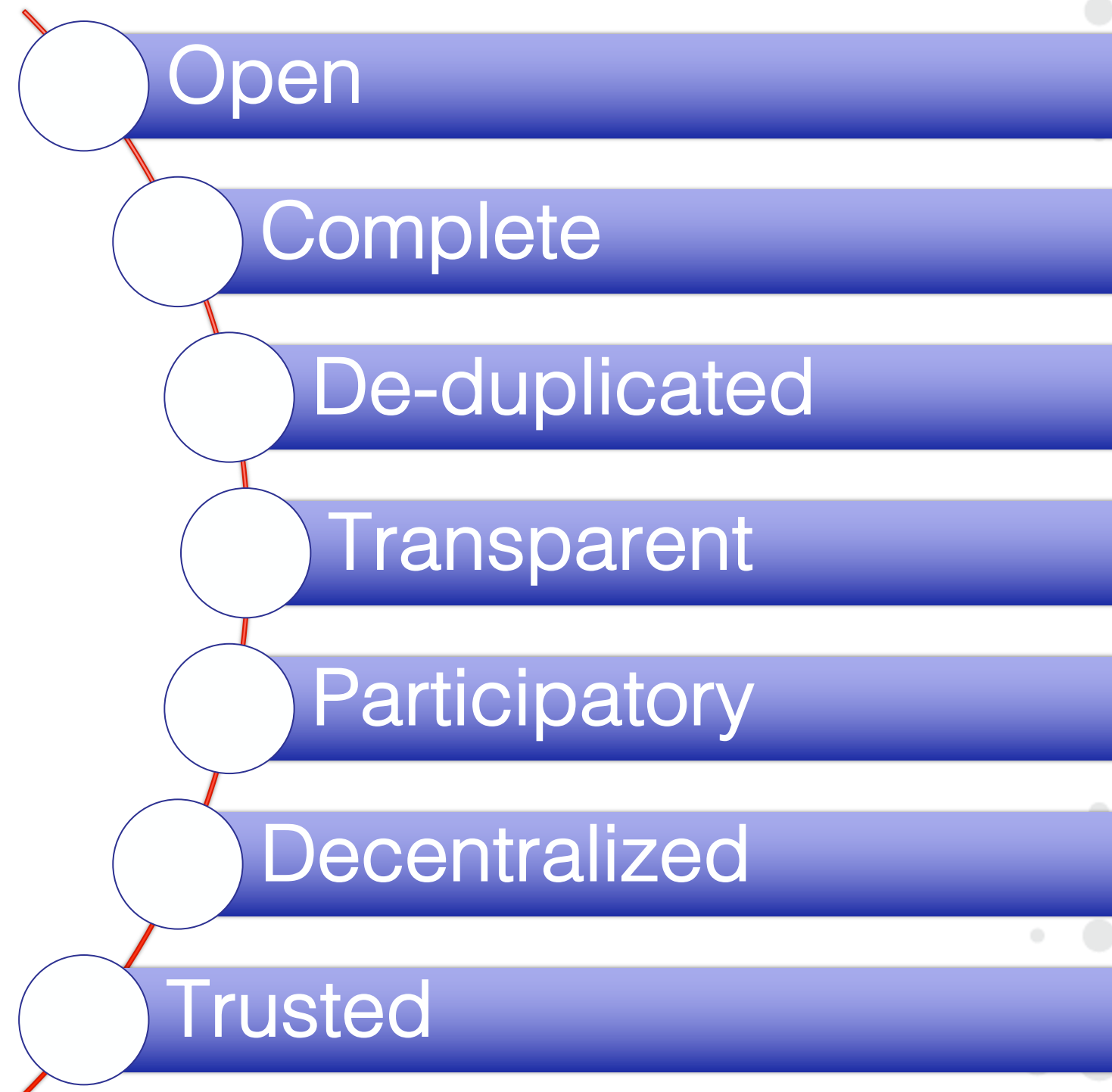
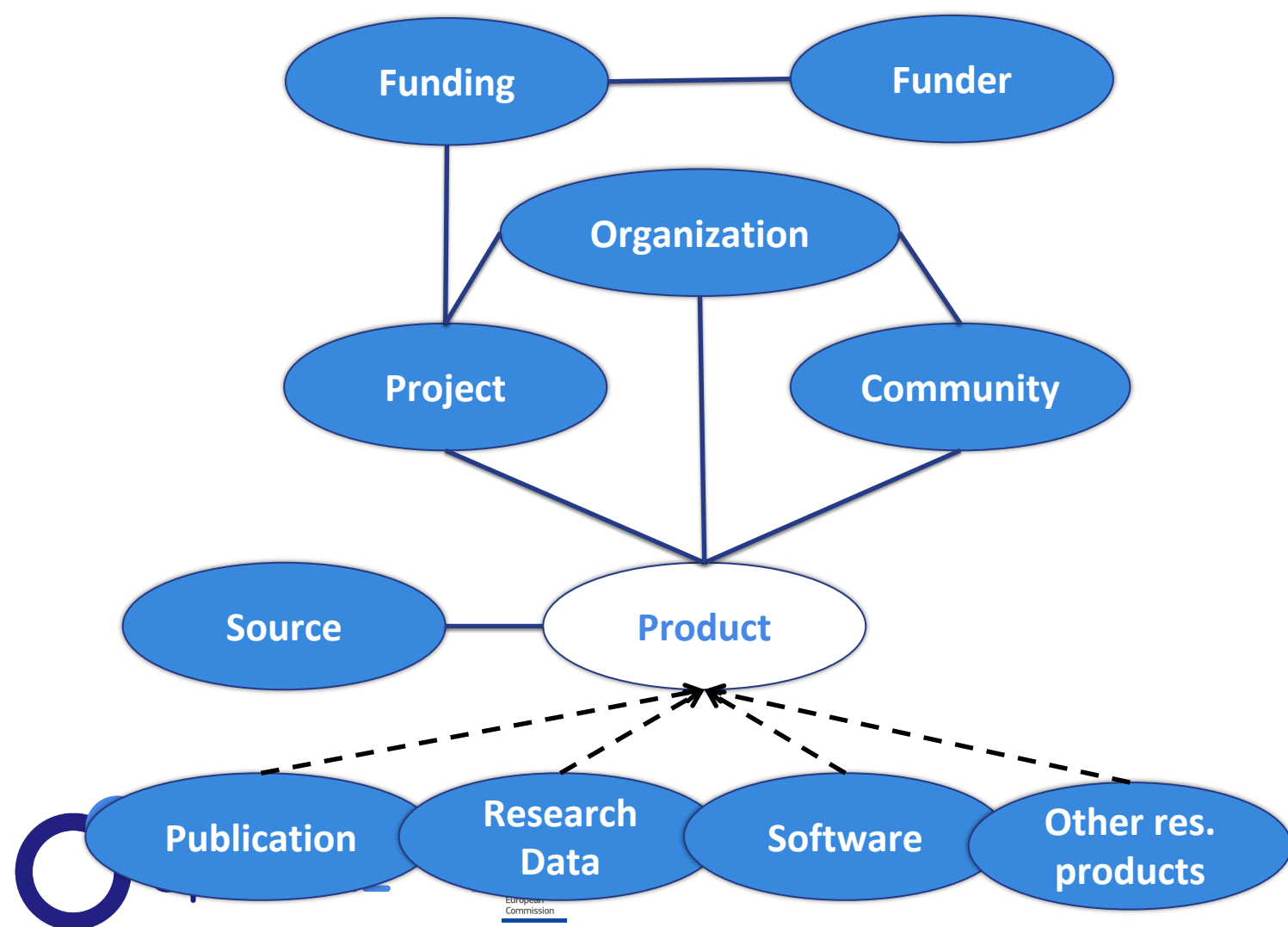
Implementing Open Science in  
Europe and EOSC

# 3 pillars of action





An **open metadata** research graph of interlinked **scientific products**, with **access rights information**, linked to **funding information** and **research communities**



All content ▼

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

SEARCH

RESEARCH OUTCOMES (121,091,607)

PROJECTS (2,881,433)

CONTENT PROVIDERS (12,661)

ORGANIZATIONS (140,669)

Open Access



Include: ☒ Publications ☒ Research data ☒ Software ☒ Other research products

Simple search?

Advanced search?

Which fields?

Which search terms?

Is a predefined query enough to identify everything?

How can we be aware of thematic sources to include?

How to find the  
coronavirus  
related research  
outcomes?

# Our approach

- Involving domain experts:
  - Call for experts among researchers, librarians, research managers
  - Creation of public list of "data sources", updated thanks to community suggestions via a dedicated form
- Set up of different processes to identify research outcomes
  - Extensive set of keywords (free text and from subject classification schemes)
  - Full-text mining
  - Analysis of the OpenAIRE Research Graph and exploiting the links between publications, datasets, and funding projects
  - Manual addition of research outcomes (with a DOI)
- Show the research outcomes in a single, dedicated, entry point:  
<https://beta.covid-19.openaire.eu/>










Research outcomes

Search by title, author, abstract, DOI, orcid...

SEARCH

Advanced Search

SUMMARY	PUBLICATIONS 43,008	RESEARCH DATA 3,165	SOFTWARE 258	OTHER RESEARCH 3,241
<div><div><div><div>This portal provides access to publications, research data, projects and software that may be relevant to the Corona Virus Disease (COVID-19). The OpenAIRE COVID-19 Gateway aggregates COVID-19 related records, links them and provides a single access point for discovery and navigation. We tag content from the OpenAIRE Research Graph (10,000+ data sources) and additional sources. All COVID-19 related research results are linked to people, organizations and projects, providing a contextualized navigation.</div><div>Curated by:  Alessia Bardi,  Iryna Kuchma,  Evgeny Bobrov,  Ivana Truccolo,  Elizabete Monteiro ...<div>View all 8 curators</div></div><div><div>Created: 16-Mar-2020</div><div>Members: 22</div></div><div><div>Projects: 130</div><div>Content Providers: 14 </div></div><div><div>Linked to 7 Zenodo Communities </div></div></div><div><div>Subjects</div><div>COVID19, SARS-CoV, HCoV-19, mesh:C000657245, MERS-CoV, Síndrome Respiratorio Agudo Severo, mesh:COVID-19, COVID2019, COVID-19, SARS-CoV-2, 2019 novel coronavirus, severe acute respiratory syndrome coronavirus 2, Orthocoronavirinae, Coronaviridae, mesh:D045169, coronavirus, SARS, coronaviruses, coronavirus disease-19, sars cov 2</div><div>View all</div></div></div></div>				

## Funder (25)

- ☐ National Institutes of H... (1,466)
- ☐ European Commission (554)
- ☐ Wellcome Trust (391)
- ☐ Canadian Institutes of He... (167)
- ☐ Research Council UK (167)
- ☐ National Science Foundation (151)

[+ View all](#)

## Project (100)

- ☐ EMPERIE (107)
- ☐ MIDAS Center for Communica... (43)
- ☐ ANTIGONE (38)
- ☐ PREDEMICS (37)
- ☐ Multi-Center Blinded Analy... (32)
- ☐ SILVER (27)

[+ View all](#)

## Access Mode (4)

- ☐ Open Access (29,296)
- ☐ Restricted (1,835)
- ☐ Closed Access (17)
- ☐ Embargo (4)

## Type (20)

- ☐ Article (39,249)
- ☐ Other literature type (3,442)
- ☐ Preprint (1,325)
- ☐ Research (120)
- ☐ Report (99)
- ☐ Book (80)

[+ View all](#)

## Language (44)

- ☐ English (7,577)
- ☐ en (1,043)
- ☐ es (128)
- ☐ French (93)
- ☐ Portuguese (82)
- ☐ German (50)

[+ View all](#)

## Community (15)

- ☐ COVID-19 (43,008)
- ☐ EGI Federation (194)
- ☐ Science and Innovation Po... (107)
- ☐ Digital Humanities and Cul... (84)
- ☐ Agricultural and Food Scie... (35)
- ☐ SDSN - Greece (28)

[+ View all](#)

## Content Provider (100)

- ☐ SpringerOpen (1,637)
- ☐ PLoS ONE (1,558)
- ☐ Hyper Article en Ligne (785)
- ☐ Emerging Infectious Diseases (765)
- ☐ arXiv.org e-Print Archive (703)
- ☐ DANS (Data Archiving and ... (661)

[+ View all](#)

# Searching for publications

act, DOI, orcid...

SEARCH

[Advanced Search](#)

## Subjects

[COVID19](#), [SARS-CoV](#), [HCoV-19](#), [mesh:C000657245](#), [MERS-CoV](#), [Síndrome Respiratorio Agudo Severo](#), [mesh:COVID-19](#), [COVID2019](#), [COVID-19](#), [SARS-CoV-2](#), [2019 novel coronavirus](#), [severe acute respiratory syndrome coronavirus 2](#), [Orthocoronavirinae](#), [Coronaviridae](#), [mesh:D045169](#), [coronavirus](#), [SARS](#), [coronaviruses](#), [coronavirus disease-19](#), [sars cov 2](#)

[View all](#)



SUMMARY	PUBLICATIONS 43,008	RESEARCH DATA 3,165	SOFTWARE 258	OTHER RESEARCH 3,241	Searching for research data
---------	------------------------	------------------------	-----------------	-------------------------	-----------------------------

Recent Research Data

[VIEW ALL RESEARCH DATA →](#)

Research Data . 2021

[Frontline nurses' burnout, anxiety, depression, fear status and their associated factors during COVID-19 outbreak in Wuhan, China: A big-scale cross-sectional study](#)

Zhu, Jiemin;

EMBARGO

Publisher: Mendeley

Research Data . 2021

[Data for: 3562504 Understanding the Nature of Variations in Structural Sequences coding for Spike \(S\), Envelope \(E\), Membrane \(M\) and Nucleocapsid \(N\) Proteins of SARS-CoV-2](#)

Chatterjee, Sidharta;

EMBARGO

Publisher: Mendeley

- ☐ National Institutes of Health (73)
- ☐ European Commission (71)
- ☐ Research Council UK (44)
- ☐ Wellcome Trust (39)
- ☐ National Health and Medica... (16)
- ☐ National Science Foundation (13)

+ View all

Project (100)

- ☐ NADIR (27)
- ☐ Three species viral zoonot... (22)
- ☐ Evaluation and optimisatio... (14)
- ☐ Training Program in Comput... (11)
- ☐ PREDEMICS (9)
- ☐ Administrative Core (9)

+ View all

Access Mode (4)

- ☐ Open Access (1,219)
- ☐ Closed Access (602)
- ☐ Embargo (14)
- ☐ Restricted (7)

Type (5)

- ☐ Dataset (1,898)
- ☐ Clinical Trial (235)
- ☐ Image (169)
- ☐ Audiovisual (123)
- ☐ Collection (2)

Content Provider (21)

- ☐ figshare (599)
- ☐ Zenodo (498)
- ☐ ZENODO (319)
- ☐ ClinicalTrials.gov (235)
- ☐ IEEE DataPort (127)
- ☐ Mendeley Data (116)

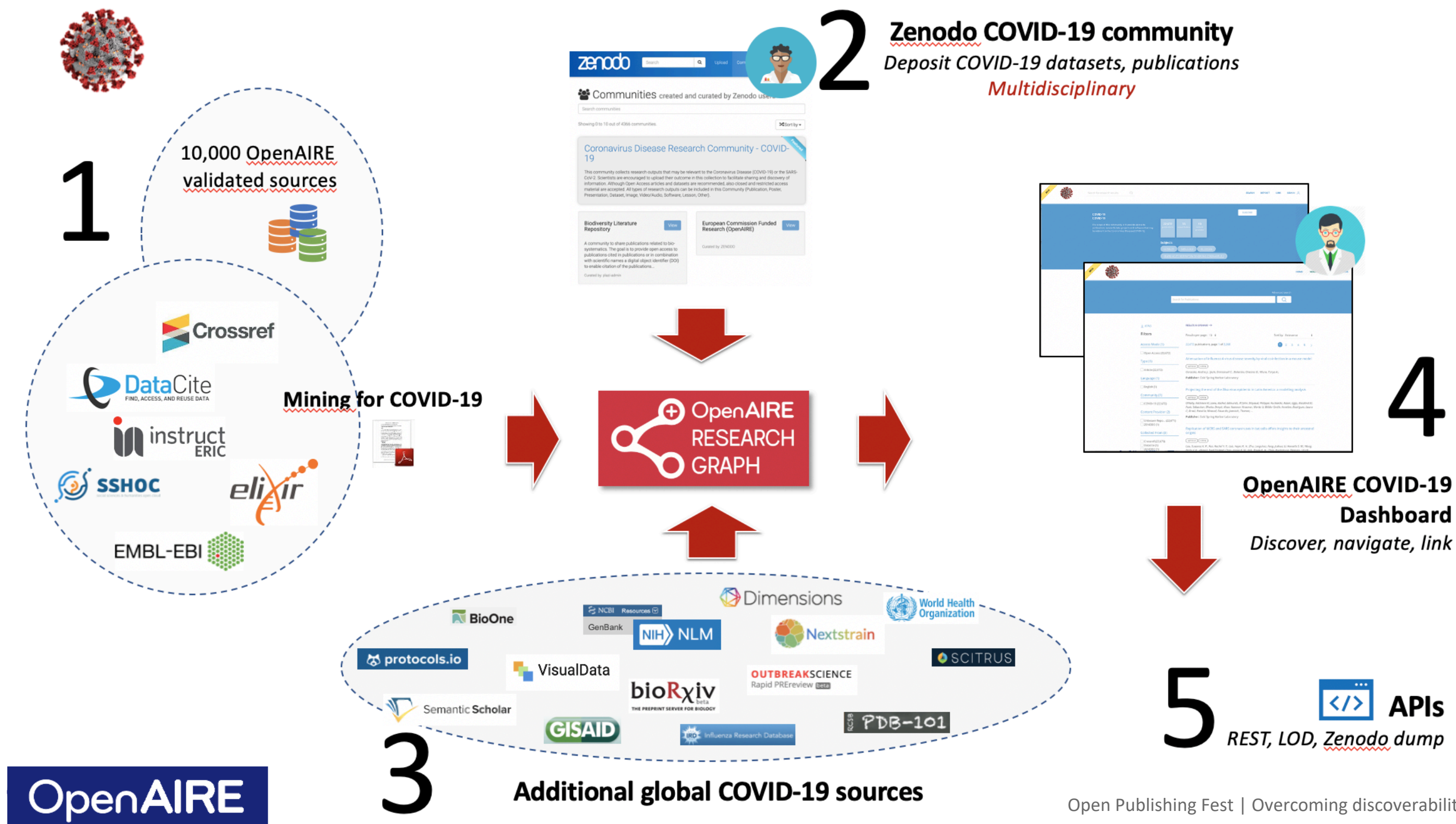
+ View all

VIEW ALL RESEARCH DATA →

... and their associated factors during COVID-19 outbreak in Wuhan, China: A

...s in Structural Sequences coding for Spike (S), Envelope (E), Membrane (M) and

# Sources and methodology



# Questions?

Alessia Bardi – [alessia.bardi@isti.cnr.it](mailto:alessia.bardi@isti.cnr.it)