



Alessia Bardi

ISTI-CNR / OpenAIRE

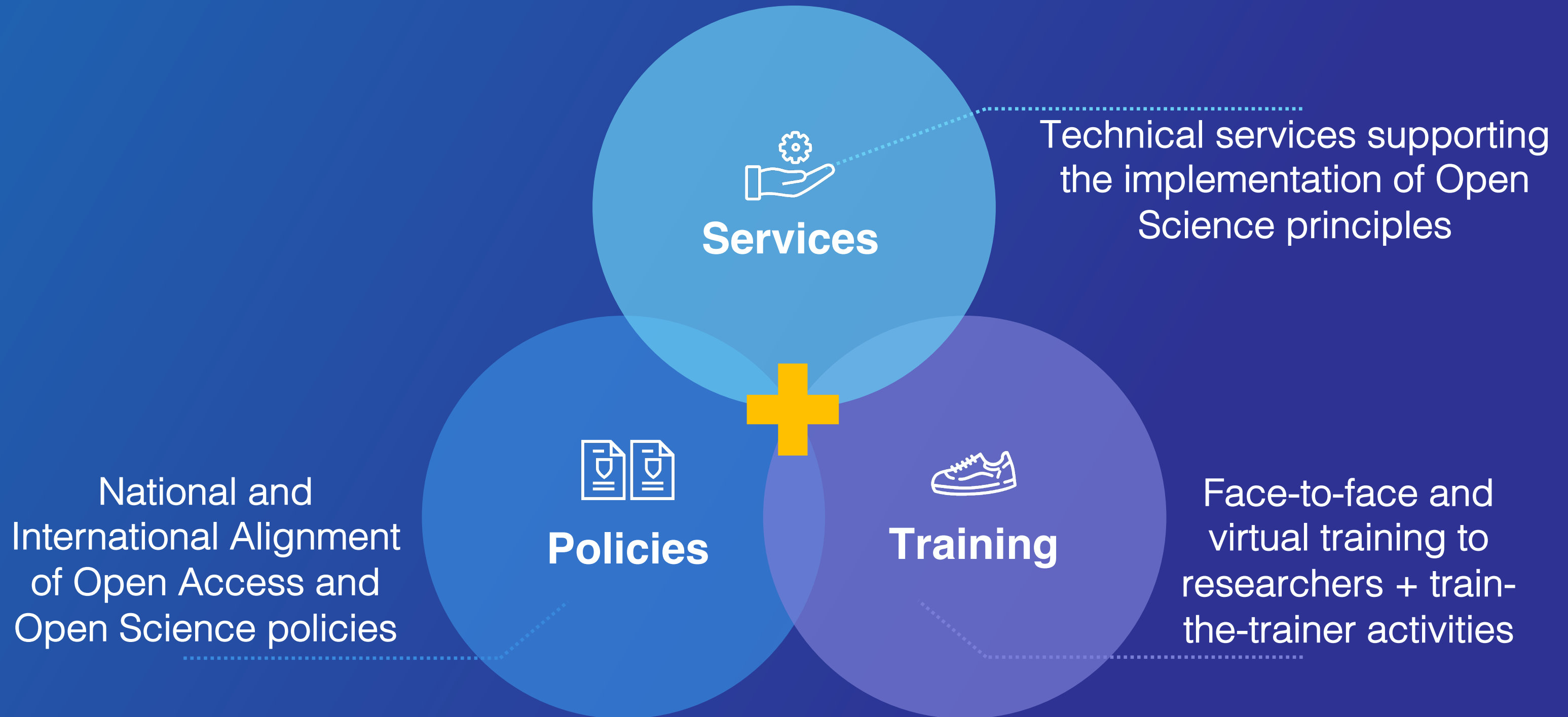
The OpenAIRE COVID-19 Gateway

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



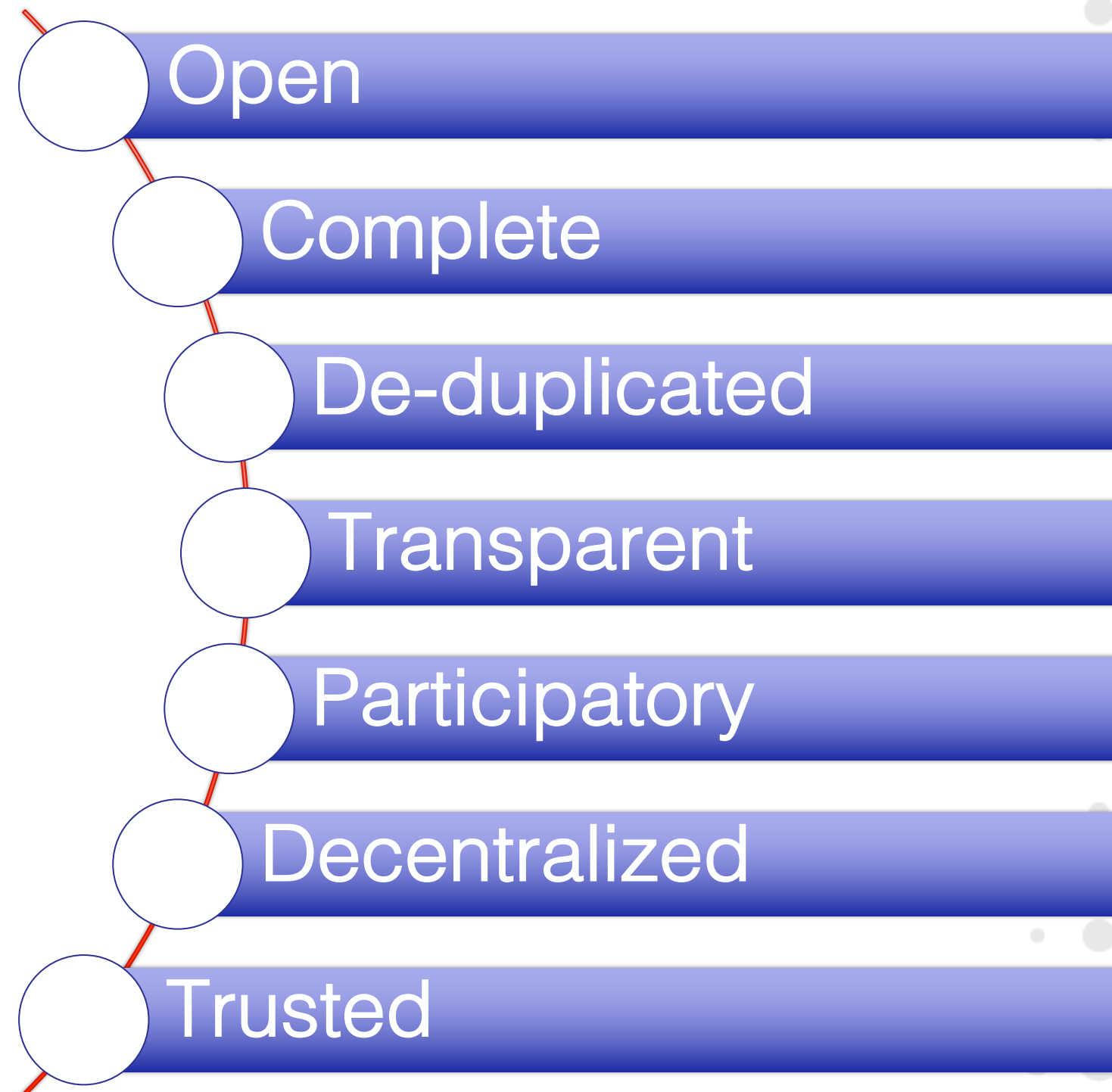
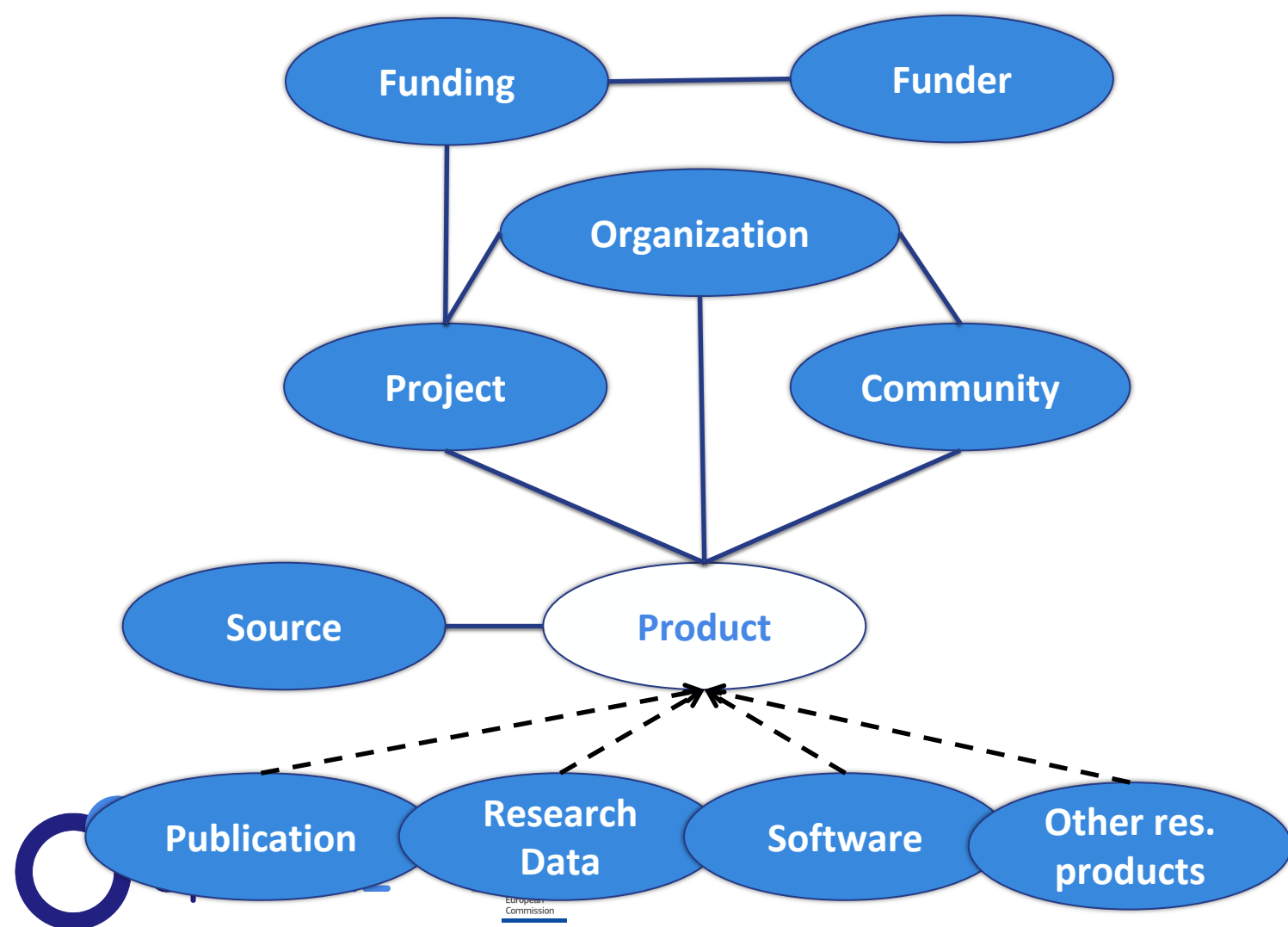
Implementing Open Science in
Europe and EOSC

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

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.

Curated by:  Alessia Bardi,  Iryna Kuchma,  Evgeny Bobrov,  Ivana Truccolo,  Elizabete Monteiro ...

View all 8 curators

Created: 16-Mar-2020 Members: 22

Projects: 130 Content Providers: 14 

Linked to 7 Zenodo Communities 

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

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

act, DOI, orcid...

SEARCH

Advanced Search

Searching for publications

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
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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

[illegible]

2

Zenodo COVID-19 community
Deposit COVID-19 datasets, publications
Multidisciplinary

1

10,000 OpenAIRE
validated sources

Mining for COVID-19



OpenAIRE
RESEARCH
GRAPH

4

OpenAIRE COVID-19
Dashboard
Discover, navigate, link

5

 **APIs**
D, Zenodo dump

OpenAIRE

3

Additional global COVID-19 sources

Questions?

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