

EOSC OpenAIRE COVID-19 Gateway

Iryna Kuchma, Open Access Programme Manager



Attribution 4.0 International



**EUROPEAN OPEN
SCIENCE CLOUD**

EOSC Association in **Numbers**

184

Applications

- ★ **130** Membership applications
- ★ **41** Observer applications
- ★ **13** Mandated members

4

Organisation types

- ★ **114** Research performing organisations
- ★ **54** Service providing organisations
- ★ **13** Research funding organisations
- ★ **3** Other organisations

Belgium ★
Denmark ★
Hungary ★
Ireland ★
Italy ★
Luxembourg ★
Moldova ★
Poland ★
Portugal ★
Romania ★
Slovakia ★
Slovenia ★
Spain ★
Switzerland ★
Ukraine ★

15

**Countries
with
mandated
members**



<https://eoscsecretariat.eu/news-opinion/eosc-association-numbers>

www.eosc-portal.eu

Data-driven use cases, success stories, challenges, and lessons learnt from the first two years of EOSC, will be part of the discussion that ties into the creation of **Strategic Research and Innovation Agenda (SRIA) for the EOSC partnership**, within the framework of the future Horizon Europe programme. This partnership will shape the programme of this event and will be a **key milestone towards the launch of the second phase of EOSC**.



The EOSC Executive Board is proud to present the draft **Version 0.8 of the Strategic Research and Innovation Agenda (SRIA) for EOSC**. The SRIA builds upon the outputs of the EOSC Executive Board Working Groups and the results from the Open Consultation on the EOSC SRIA. The SRIA indicates a roadmap for realising EOSC and will support the European Commission in developing the next work programme Horizon Europe (2021-2027).

Feedback from the **EOSC Symposium 2020** will be used in the process of further building the SRIA. The first full Version 1.0 of the SRIA is expected to be published by the EOSC Association in January 2020 and will be annexed to the Memorandum of Understanding (MoU) between the EOSC Association and European Union for the EOSC European Partnership.

EOSC SRIA VERSION 0.8

Essential Reading

- **Six Recommendations for Implementation of FAIR Practice** - official publication
- **A Persistent Identifier (PID) policy for the European Open Science Cloud** - official publication
- **Landscape of EOSC-related Infrastructures and Initiatives** - official publication
- **FAIR Metrics for EOSC** - 2nd Draft out for comments
- **Solutions for a Sustainable EOSC** - Ironlady Draft (*log in to the EOSC Liaison Platform to view*)
- **PID Architecture for the EOSC** - Draft for consultation
- **EOSC AAI Architecture** - Draft for consultation
- **Scholarly Infrastructures for Research Software** - Draft for consultation
- **EOSC Rules of Participation** - Draft 0.5

<https://www.eoscsecretariat.eu/eosc-symposium-2020>



EOSC Executive Board Outputs

Home » EOSC Governance » EOSC Executive Board Outputs

On this page you will find all the relevant documents produced by the EOSC Governance, including updates from the EOSC Executive Board and its Working Groups, as well as relevant documents created by EOSCsecretariat.eu in support of the EOSC Governance.



The EOSC Association Statutes

The Association advances Open Science to accelerate the creation of new knowledge, inspire education, spur innovation and promote accessibility and transparency. The international purpose of the Association is (1) to provide a single voice for advocacy and representation for the broader EOSC stakeholder community, (2) to promote the alignment of European Union research policy and priorities with activities coordinated by the Association, and (3) to enable seamless access to data through interoperable services that address the entire research data life cycle, from discovery to storage, management, analysis and re-use across borders and scientific disciplines.

Download the EOSC Association Statutes

[Apply to join the EOSC Association](#)



The EOSC Strategic Research and Innovation Agenda - VERSION 0.8

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<https://eoscsecretariat.eu/eosc-governance/eosc-executive-board-outputs>

Programme | EOSC Secretariat x Microsoft Word - EOSC-SRIA-V x +

https://www.eoscsecretariat.eu/eosc-symposium-2020-programme Search

EOSC GOVERNANCE WORKING GROUPS FUNDING OPPORTUNITIES LIAISON PLATFORM COMMUNITIES NEWS & EVENTS ABOUT

ALL 19th October 20th October 21st October 22nd October

Monday, 19 October 2020

Towards EOSC 2.0

EOSC Symposium welcome & keynote presentations
 Chair: *Hanifeh Khayyeri - EOSC Governing Board Co-Chair & Member of the national commission of inquiry on organisation, governance and financing of research infrastructures*

09:30 - 11:00

- 09:30 - 09:40 Welcome, *Hanifeh Khayyeri - EOSC Governing Board Co-Chair & Member of the national commission of inquiry on organisation, governance and financing of research infrastructures*, **Download presentation**
- 09:40 - 09:50 At the beginning of a new ERA – The European Open Science Cloud from the perspective of the German EU Presidency, *Susanne Burger, Director General, European and International Affairs Federal, Ministry of Education and Research (BMBF), Germany*
- 9:50 - 10:05 EOSC in the renewed ERA, *Kostas Glinos, Head of Unit for Open Science, DG RTD, European Commission*
- 10:05 - 10:20 eInfrastructures in Horizon 2020, *Liina Munari, Deputy Head of Unit, eInfrastructure and Science Cloud, DG CNECT, European Commission*, **Download presentation**
- 10:20 - 10:40 Sustainable Digital Infrastructures – A Chance for Research in Germany and Europe, *Prof. Petra Gehring, full Professor of Philosophy, Technical University of Darmstadt; German Council for Scientific Information Infrastructures*, **Download presentation**
- 10:40 - 11:00 Q&A session

11:00 - 11:30 *Virtual coffee break*

All you need to know about the EOSC European Partnership & Association and interactive discussion on the results of the SRIA Consultation
 Chair: *Sarah Jones - EOSC FAIR WG Chair, GÉANT*

- 11:30 - 12:15 Interactive discussion on the results of the SRIA
- Results of the SRIA open consultation. *Karel Luyben - CESAER, EOSC FB Co-Chair*. **Download presentation**

<https://www.eoscsecretariat.eu/eosc-symposium-2020-programme>

EOSC



Why – What – How

Natalia Manola, OpenAIRE Managing Director, EOSC Executive Board Member

Europe's response to data driven research

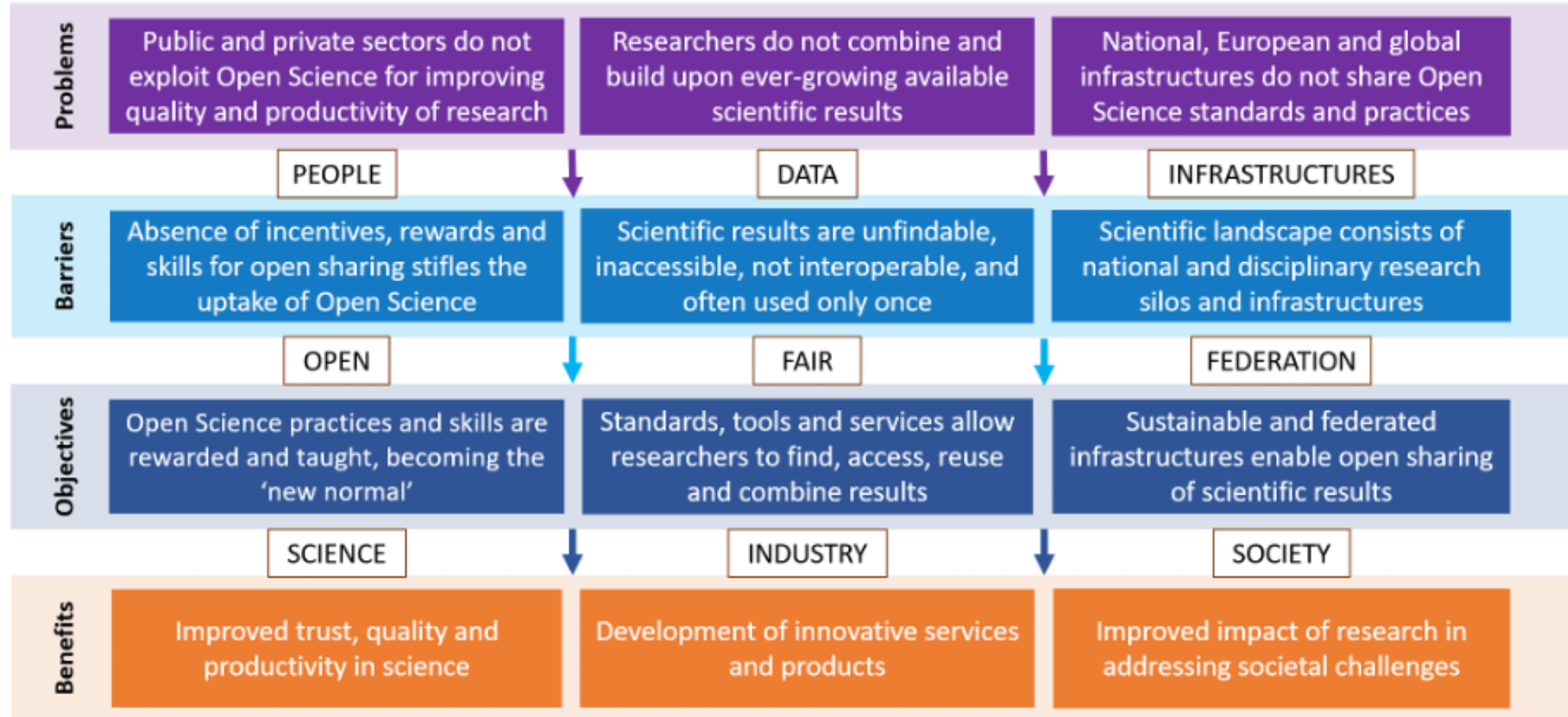
For researchers

- Tools to find, access, verify and combine multi-disciplinary scientific data for new discoveries
- Measures to increase data findability and accessibility
- Clear incentives and rewards for sharing

For policymakers

- Societal and global challenges demand cross-disciplinary research
- A lack of available FAIR data costs Europe €10 billion per year (PWC)
- Europe needs a data commons to maintain its position as global leader in innovation
- An increase in data resources will boost the usage of distributed machine learning and emerging artificial intelligence techniques giving Europe a competitive advantage

European Open Science Cloud Objectives Tree



v12

Openness is the success factor for EOSC

Free (at the point of use), uncomplicated and intelligent access to data

Open Science and specifically Open Access to all research results (data, publications, software, protocols, as well as tools and services) is a strategic priority, a key enabler into achieving a critical mass of accessible content for researchers to experiment with, stimulating the demand.



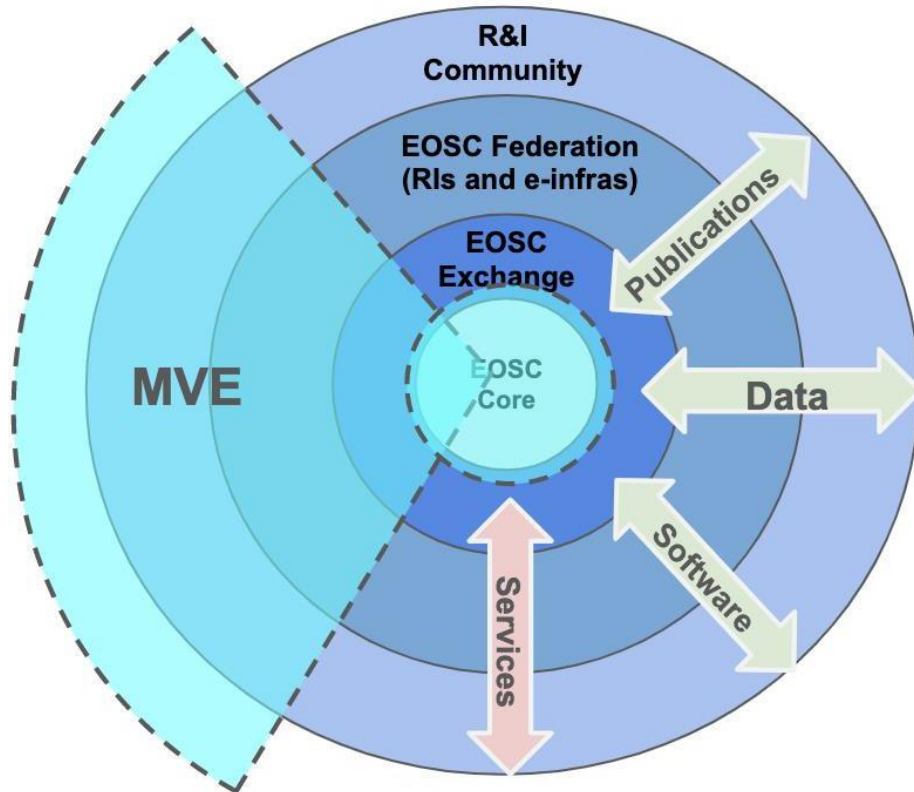
The EOSC will only be successful if there is enough researcher engagement and uptake

EOSC in a nutshell

Sharing research outcomes **and** research resources – building on, learning from each other.

Unique Selling Point, adding value to **existing** EC and MS/AC **investments** – federation.

Driven by **Rules of Participation** – consensus



- Each layer defines its own policies (RoPs)
- **MVE** includes:
 - EOSC Core and subsets of EOSC Exchange, Federation
 - EOSC resources (services, research products) required to “market” the EOSC
 - Subset of the R&I community (showcases, e.g., COVID-19)

EOSC

“deconstructed”

KPIs
Citations
Usage

> MONITOR

Actors



AAI

Service
Management
/ Access

Data
Access

> ACCESS

Publishing- Sharing

Analytics

Data Management

Compute

Storage

Network

> SERVICES

Research Web



> DATA

Open & FAIR

Registries
Identifiers
Papers / Books
Funding
Services
Facilities
People
Organizations

EOSC Core

- **A shared open science policy framework.** Embeds a data compliance framework for open / FAIR data. It defines and applies the rules of how the data elements are published, shared and re-used.
- **Authentication & Authorization Interoperability (AAI) framework,** a trust and identity service to allow seamless access to any EOSC resource
- **Data access framework.** Enable open interfaces where data consumers (users and machines) are able to discover and use data.
- **Service management and access framework.** Provide a consistent and agreed upon understanding of e-science services: what they offer, which science problem they address, what is their operational capacity, how they are accessed, who pays for them.
- **A minimum interoperable metadata framework.** Ensures openness and interoperability across disciplines while respecting privacy and security (disclosure limitations, patents, IP, personal data, PSI, etc.)
- **An open metrics framework.** Sets the rules (usage, performance, value for money, user satisfaction) for the assessment of EOSC elements, i.e., policies, access framework, services, data, business, funding and usage models. Includes elements to facilitate the incentives and awards mechanisms.
- **PID:** Services to generate, resolve and validate persistent identifiers.
- **Security policies and procedures.** Ensures consistent and coordinated security operations across the federated services.
- Operational support services.
- Web-portal including web-content as well as supply and demand facing services providing for accessing the EOSC resources.

Partnerships - An EU alignment mechanism

Horizon Europe will support European Partnerships to deliver on global challenges through concerted R&I effort with the Member States, private sector, foundations and other stakeholders.

EU Partnerships

- provide mechanisms to link R&I closely to policy needs,
- develop close synergies with national and regional programmes,
- bring together a broad range of innovation actors to work towards a common goal, and
- turn research into socio-economic results

- [health](#)
- [digital, industry and space](#)
- [climate, energy and mobility](#)
- [food, bioeconomy, natural resources, agriculture and environment](#)
- [partnerships across themes](#)

49 EU Partnerships

https://ec.europa.eu/info/horizon-europe-next-research-and-innovation-framework-programme/european-partnerships-horizon-europe_en#partnership-candidates-and-contact-details

EOSC Partnership

- **Develop synergies:** Enable a trusted, virtual, federated environment in Europe to store, share and re-use research data across borders and scientific disciplines.
- **Bring all actors under one umbrella:** Bring together institutional, national and European initiatives and engage all relevant stakeholders to co-design and deploy a European Research Data Commons.
- **Help researchers:** Enhance the possibilities for researchers to find, share and reuse publications, data, and software leading to new insights and innovations, higher research productivity and improved reproducibility in science.

EOSC Partnership – Key objectives

Objective 1: Open science practices and skills are rewarded and taught, becoming the “new normal”

Main milestone: The EOSC ecosystem underpins the reward of open science practices and data stewardship that improve trust, quality and productivity in science.

Objective 2: Standards, tools and services allow researchers to find, access and reuse results

Main milestone: The EOSC provides a trusted platform supporting the development of innovative services and products.

Objective 3: Sustainable and federated infrastructures enable open sharing of scientific results

Main milestone: The EOSC infrastructure is in operation, providing a web of FAIR data and related services underpinning research addressing major societal challenges.

Crosscutting objective: Boosting the impact of EOSC through collaboration and alliances

EOSC Governance

The Partnership will operate through a new **Association** (Belgian AISBL) along the principles of decentralisation, transparency and openness.

Core tasks

- Coordination and alignment (SRIA)
- Monitoring and reporting
- EOSC technical guidance
- FAIR training
- Communication

*The Association will be essentially resourced via the **membership fees** from its members. The activities resulting from the SRIA will be **resourced through commitments** by the European Commission, at European level, and by the members of the Association at national and institutional level.*

4 founding members

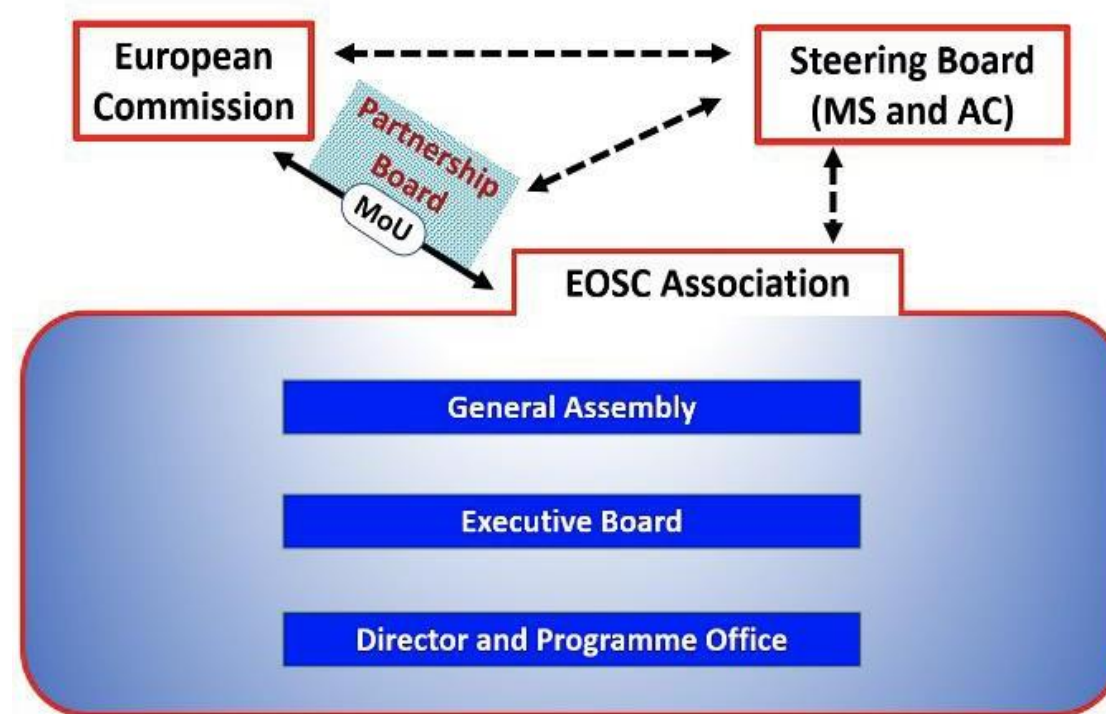
Interest from ~90

Membership fees

Full - 10,000 €

Observers - 2,000 €

Governance of the Partnership



Strategic Research & Innovation Agenda (SRIA)

Implementation challenges	Boundary conditions
<p>AA1: Identifiers</p> <p>AA2: Metadata and Ontologies</p> <p>AA3: FAIR Metrics and Certification</p> <p>AA4: Authentication and Authorisation Infrastructure</p> <p>AA5: User Environments</p> <p>AA6: Resource Provider Environments</p> <p>AA7: EOSC Interoperability Framework</p>	<p>AA8: Rules of Participation</p> <p>AA9: Landscape Monitoring</p> <p>AA10: Business Models</p> <p>AA11: Skills and Training</p> <p>AA12: Rewards and Recognition</p> <p>AA13: Communication</p> <p>AA14: Widening to the Public and Private Sectors</p>



Alessia Bardi, Iryna Kuchma
ISTI-CNR, EIFL / OpenAIRE

The OpenAIRE COVID-19 Gateway

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

OpenAIRE for COVID-19

Activities to help researchers combat the epidemic and understand its aftermath.

[FIND OUT MORE](#)

Our efforts

Open Science, as an underlying factor has been proved as the only and essential way forward to share immediately the results for all.

OpenAIRE, in collaboration with the EC, will provide services to help in the sharing, discovery, navigation and collaboration of the global research community.

Zenodo COVID-19 Community

Together with CERN we have created a specific Community to collect all research results that could be relevant for the scientific community worldwide working on the Coronavirus Disease (COVID-19) and SARS-CoV-2.

This community is currently curated by the OpenAIRE team.

[READ MORE →](#)

OpenAIRE COVID-19 Gateway

OpenAIRE currently develops a service to serve as a single point of entry for research results (publications-data-software) and other useful resources for the Coronavirus Disease (COVID-19) and SARS-CoV-2. It will be linked to Zenodo COVID-19 community as well as many other EU and global initiatives and will address different scientific domains.

The COVID-19 Gateway is now live

[READ MORE →](#)

RDA COVID-19 Fast track Working Group

This Working Group will define detailed guidelines on data sharing and re-use under the present COVID-19 circumstances to help researchers follow best practices to maximize the efficiency of their work. The guidelines will focus on the management of data originating from different data sources and the development of a system for data sharing in public health emergencies that supports scientific research.

OpenAIRE contributes by helping to deliver guidelines for data sharing

[READ MORE →](#)



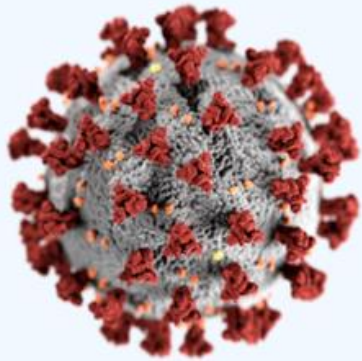
Support fast publishing of **new** research (all types of research products: software, data, publications, etc)



Support **discovery** of existing research (research products, activities, COVID-19 monitoring dashboards)



Support **data management**: fast should not mean bad!



Coronavirus Disease Research Community - COVID-19

[Browse](#)[New upload](#)

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...

Curated by: Covid19_Team_OpenAIRE

<https://zenodo.org/communities/covid-19>

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).

Coronavirus Disease Research Community - COVID-19

All versions

Found 984 results.

< 1 2 3 4 5 6 7 8 9 >

Sort by:

Most recent
asc.

View

Access Right

- ☐ Open (964)
- ☐ Restricted (11)
- ☐ Closed (9)

File Type

- ☐ Pdf (399)
- ☐ Zip (300)
- ☐ Xlsx (72)
- ☐ Csv (53)
- ☐ Gz (28)
- ☐ Docx (25)
- ☐ Png (25)
- ☐ Txt (24)
- ☐ (22)
- ☐ Tar (22)

October 15, 2020 (12-10-20) Software Open Access

roblanf/sarscov2phylo: 12-10-20

roblanf; Richard Mansfield;

Citation and reuse Please cite this release as: Lanfear, Rob (2020). A global phylogeny of SARS-CoV-2 sequences from GISAID. Zenodo DOI: 10.5281/zenodo.3958883 You can visit that DOI here: If you publish papers that use this tree you must still follow the GISAID data sharing and attribution rules

Uploaded on October 15, 2020

32 more version(s) exist for this record

September 29, 2020 (v1) Dataset Open Access

View

The scale and dynamics of COVID-19 epidemics across Europe

Dye, Christopher;

The number of COVID-19 deaths reported from European countries has varied more than 100-fold. In terms of coronavirus transmission, the relatively low death rates in some countries could be due to low intrinsic (e.g. low population density) or imposed contact rates (e.g. non-pharmaceutical intervent

Uploaded on October 14, 2020

September 30, 2020 (1) Journal article Open Access

View

Home Exercise-associated Accidents During COVID-19 Isolation. A Case Report

Corona Virus Disease

COVID-19

Subscribe

Research outcomes

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

SEARCH

[Advanced Search](#)

SUMMARY

PUBLICATIONS
148,942

RESEARCH DATA
8,076

SOFTWARE
583

OTHER RESEARCH
8,222

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](#) ...

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](#),



DEPOSIT

LINK

SEARCH

ABOUT

SIGN IN



Filters

× Open Access

Results per page:

10

Sort by:

Relevance

Download Results

Subscribe

Access Mode (1)

Clear

Open Access (118,100)

Research Type (4)

- ☐ Publications
- ☐ Research data
- ☐ Software
- ☐ Other research products

Year range

e.g. 1801

- e.g. 2031



118,100 RESEARCH OUTCOMES, PAGE 1 OF 11,810

1

2

3

4

5

>

Publication . Article . Other Literature Type . 2005

Angiotensin-converting enzyme 2 protects from severe acute lung failure

OPEN ACCESS

ENGLISH

Authors: Imai, Yumiko; Kuba, Keiji; Rao, Shuan; Huan, Yi; Guo, Feng; Guan, Bin; Yang, Peng; Sarao, Renu; Wada, Teiji; Leong-Poi, Howard; ...

DOI: [10.1038/nature03712](https://doi.org/10.1038/nature03712)

Publisher: Nature Publishing Group UK

Project: CIHR

Acute respiratory distress syndrome (ARDS), the most severe form of acute lung injury, is a devastating clinical syndrome with a high mortality rate (30–60%) (refs 1–3). Predisposing factors for ARDS are diverse^{1,3} and include sepsis, aspiration,...

Advanced Search for Research | X

https://covid-19.openaire.eu/search/advanced/research-outco133%

Search

COVID-19
linked data

DEPOSITLINKSEARCHABOUTSIGN IN

Funder (26)

☐ National Institutes of H...
(2,785)

☐ European Commission (1,197)

☐ Wellcome Trust (830)

☐ Canadian Institutes of He...
(417)

☐ Research Council UK (378)

☐ National Science Foundation
(349)

+ View all

Type (34)

☐ Article (94,928)

☐ Other literature type (24,986)

☐ Preprint (11,021)

☐ Dataset (2,674)

☐ Other ORP type (1,924)

☐ Report (1,366)

+ View all

Language (49)

Health System Weaknesses? -the Moroccan Experience-

OPEN ACCESS

Authors: Amine Souadka; Amine Benkabbou; Mohammed Anass Majbar; Hajar Essangri; Laila Amrani; Raouf Mohsine; EL Houcine Akhnif;

Publisher: Medical and Surgical Research Journals Group (MSRJGroup)

<jats:p>NA</jats:p>

Subscription

Publication . Article . 2015

8th International conference on management and rehabilitation of chronic respiratory failure: the long summaries – Part 3

OPEN ACCESSENGLISH

Authors: Ambrosino, Nicolino; Casaburi, Richard; Chetta, Alfredo; Clini, Enrico; Donner, Claudio F.; Dreher, Michael; Goldstein, Roger; Jubran, Amal; Nici, Linda; Owen, Caroline A.; ...

DOI: 10.1186/s40248-015-0028-x, 10.1186/s40248-015-0028-x

Publisher: BioMed Central

This paper summarizes the Part 3 of the proceedings of the 8th International Conference on Management and Rehabilitation of Chronic Respiratory Failure, held in Pescara, Italy, on 7 and 8 May, 2015. It summarizes the contributions from numerous...

Windows Taskbar

11:48 PM 10/22/2020

Advanced Search for Research | X

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← → ↺ 🏠

🔒 https://covid-19.openaire.eu/search/advanced/research-outcomes?f0=q& ... 🛡️ ☆

🔍 Search

📄 📁 💰 👤 🔄

☰



DEPOSIT LINK SEARCH ABOUT SIGN IN 👤

e.g. 1800 · e.g. 2030 >

THIS YEAR | LAST 5 YEARS | LAST 10 YEARS

Funder (1)

☐ Russian Science Foundation (1)

Type (9)

☐ Other literature type (118)

☐ Article (80)

☐ Conference object (6)

☐ Book (2)

☐ Doctoral thesis (2)

☐ Other ORP type (2)

+ View all

Language (1) Clear

☒ Russian (207)

Community (3)

☐ COVID-19 (207)

☐ Transport Research (1)

☐ Digital Humanities and Cult... (1)

Content Provider (53)

☐ Zenodo (15)

☐ DOI Article (12)

Publication · Article · 2020

Дыхание коронавируса: об осуществлении дистанционной психологической помощи в период пандемии

OPEN ACCESS RUSSIAN

Authors: Dilyara N. Efremova;

Publisher: Moscow Region State University Editorial Office

In the situation, associated with the introduction of the self-isolation regime during the COVID-19 pandemic, the remote form of psychological assistance has confirmed its relevance. Features of the development of anxiety reactions in people who seek psychological help ...

Subscribe

Publication · Other Literature Type · 2020

Covid-risks of the global economy

RUSSIAN

Authors: Дзусова, А.М.; Котаева, С.Р.;

Publisher: Редакция журнала Экономика и предпринимательство

As a typical black Swan event, COVID-19 took the world by surprise. This newly identified coronavirus was first seen in Wuhan, the capital of Hubei province in Central China, on December 31, 2019. More importantly, more than 75 countries are now reporting positive cases ...

Publication · Other Literature Type · 2020

Фармадзор безопасности антималярійних препаратів 4-амінохінолінового ряду при ревматических болезнях и коронавирусной болезни (COVID-19)

OPEN ACCESS RUSSIAN

Authors: Муравьев Ю.В.; Муравьева Л.А.;

Publisher: Zenodo

В статье обсуждается возможность развития синдрома удлинения интервала QT с возникновением мерцания-трепетания желудочков и внезапной сердечной смертностью, необычной для малярии и ревматических болезней неблагоприятной реакции (НР) ,индуцированной антималярійными п...



ABOUT

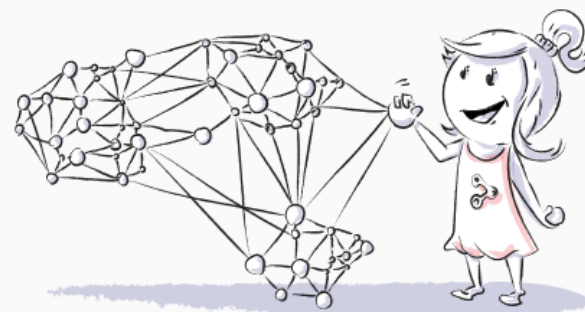
RESOURCES

SUPPORT

Open. Transparent. Interconnected.

OpenAIRE Research Graph is an open resource that aggregates a **collection of research data properties** (metadata, links) available within the OpenAIRE Open Science infrastructure for funders, organizations, researchers, research communities and publishers to interlink information by using a semantic graph database approach.

LEARN MORE



<https://graph.openaire.eu>

Why OpenAIRE Research Graph

Unlock the power of open science data

Open and transparent

It is available for download and re-use as CC-BY (due to some input sources whose license is CC-BY); parts of the graphs can be re-used as CC-0; provenance is tracked at the level of the records and, when these are the result of full-text mining, of the properties (provenance also includes an indicator of trust, in the range [0..1]).

Intelligent linking

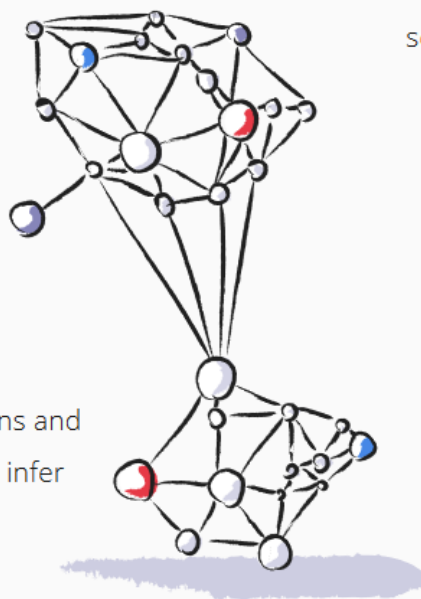
Abstracts, full-texts of Open Access publications and links are processed by several algorithms that infer new links and enrich the graph.

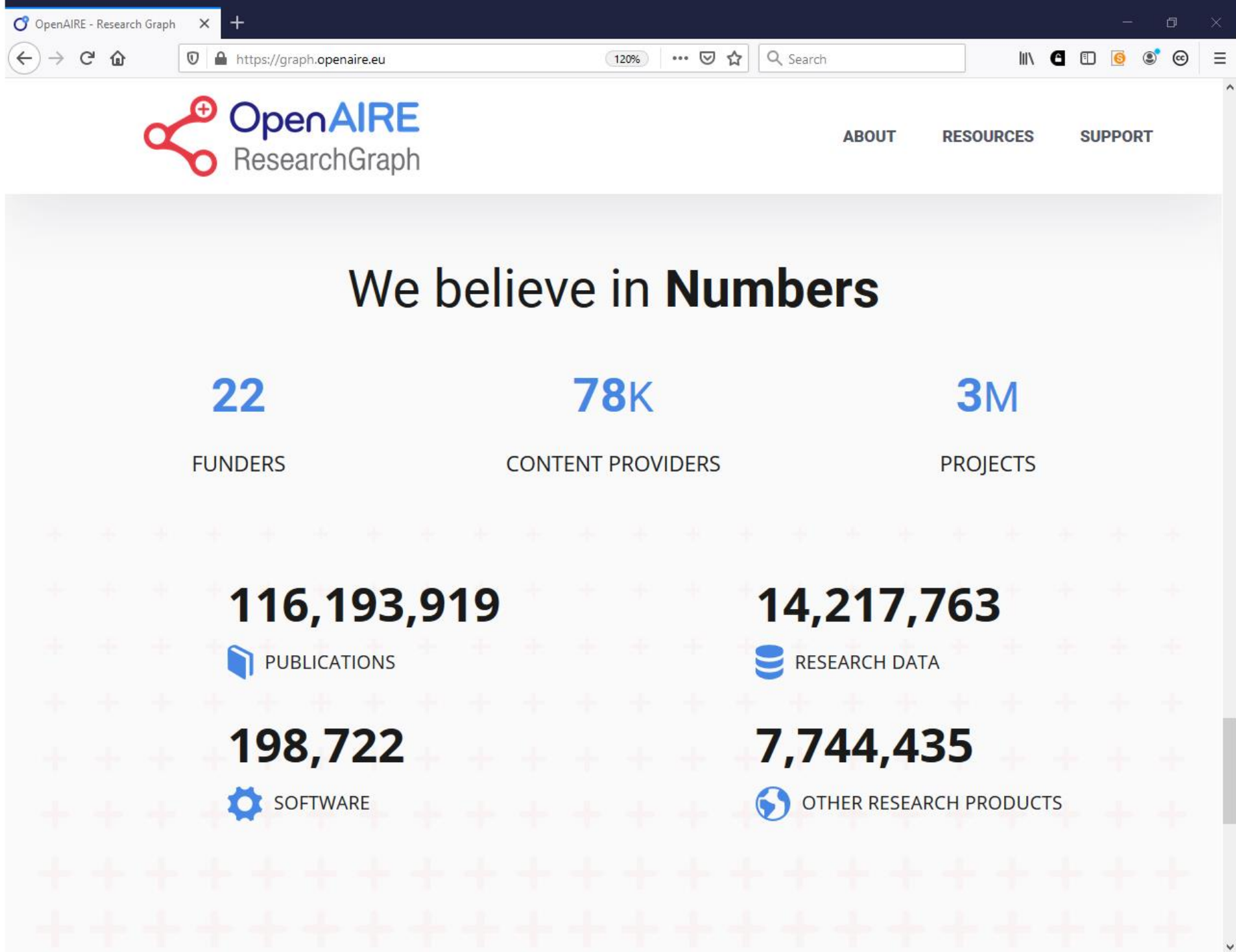
Decentralized and interoperable

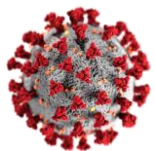
Metadata and links are collected from data sources, such as institutional/data/software repositories, publishers, registries, and re-distributed to such sources via brokering services.

Embedded metrics

Powers up calculation of advanced statistics and metrics about Open Science and research impact.







1

10,000 OpenAIRE
validated sources



EMBL-EBI



Mining for COVID-19



3

Additional global COVID-19 sources

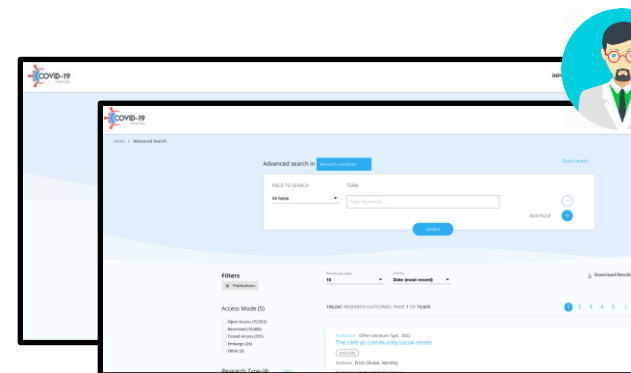
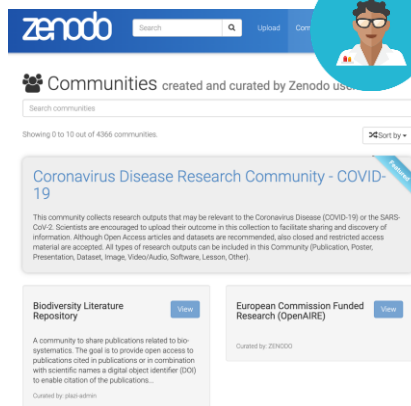


2

Zenodo COVID-19 community

Deposit COVID-19 datasets,
publications

Multidisciplinary



4

OpenAIRE COVID-19
Gateway

Discover, navigate, link



5



APIs

*REST, Zenodo dump,
CSV downloads*

OpenAIRE

Sources and methodology

https://covid-19.openaire.eu/content

150%

Search

2. Their metadata is collected from one of the sources [listed here](#) (which were selected by the gateway managers as they likely include content related to COVID-19) and their titles include one of the following terms *"COVID-19"*, *"SARS-CoV-2"*, or *"2019-nCoV"*. Terms match both in lower or upper case;

3. Their **subjects** include the MeSH term *"COVID-19"* (code *C000657245*) or the other relevant keyword terms displayed on the homepage of the Gateway (e.g. *"SARS-CoV-2"*, *"2019-nCoV"*, *"Severe acute respiratory syndrome coronavirus 2"*).

4. An authenticated user linked a scientific product and the "COVID-19" community by using the **Link fu** [Subscribe](#) the gateway or the [OpenAIRE BETA EXPLORE Portal](#). In doubt on how the linking functionality works? Check for more details [here](#).

5. They are research products relevant to the topic according to **OpenAIRE mining algorithms**, based on:

- The content of their **full-texts**. If titles and abstracts of scientific publications comply to the following rule:
year > 2018 AND ("COVID-19" OR "SARS-CoV-2" OR "2019-nCoV" OR "HCoV-19") OR [("Coronavirus" OR "Severe Acute Respiratory Syndrome") AND "Wuhan"]
Terms match in lower or upper case, with or without dashes. Note that publications published before 2019 are discarded. Also, the algorithm searches on the title of a publication first and, if nothing is found, then it searches on the abstract.
- **Links they have to other products** identified as relevant to COVID-19. For example, if a "COVID-19 research article" is linked to a dataset, then the dataset is also included in the gateway.
- **Links they have to funding projects**. If a research product has a link to one of the [projects selected by the gateway curators](#) as relevant for the topic, then the research product is included in the gateway.

Trust and quality is an issue for us all and we would like to invite experts to collaborate and work in our team to help us in identifying the right sources, curate the COVID-19 Graph and moderate user interactions. Fill [this form](#) if you are interested and want to contribute.

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

Get the metadata

Json dumps on Zenodo

August 12, 2020

Dataset Open Access

OpenAIRE Covid-19 publications, datasets, software and projects metadata.

University of Warsaw, Iryna; Pavone, Gina; Artini, Michele; Atzori, Claudio; Bäcker, Amelie; Baglioni, Miriam; De Bonis, Michele; Dimitropoulos, Harry; Fofoulas, Ioannis; Horst, Marek; Iatropoulou, Katerina; Jacewicz, Przemyslaw; Kokogiannaki, Argiro; La Bruzzo, Sandro; Lazzeri, Emma; Löhden, Aenne; Manghi, Paolo; Mannocci, Andrea; Manola, Natalia; Ottonello, Enrico; Schirwagen, Jochen

Data curator(s)

Bobrov, Evgeny; Truccolo, Ivana; Monteiro, Elizabete; Casalegno, Carlotta; Clary, Erin; Romanowski, Andrew

4,664

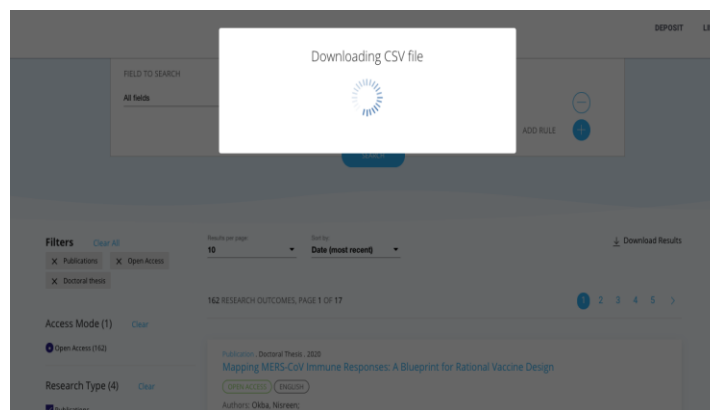
views

439

downloads

<https://doi.org/10.5281/zenodo.3980490>

CSV downloads



CSV file with:

Type, Specific type, Title, Authors,
Publication Year, DOI, Download from,
Access Rights, Funder | Project Name (GA
Number), Journal

HTTP API



<http://api.openaire.eu/search/publications?community=covid-19>

XML or json format

Coronavirus Disease Research Com

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🔒 https://zenodo.org/communities/covid-19/?page=1&size=20

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🔍 Search

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Coronavirus Disease Research Community - COVID-19

Recent uploads

Search Coronavirus Disease Research Community - COVID-19

🔍

May 21, 2020 (v1)

Dataset

Open Access

View

Is disruption of sleep quality a consequence of severe Covid-19 infection? A case-series examination

Vitale Jacopo Antonino; Perazzo Paolo; Silingardi Marina; Biffi Marco; Banfi Giuseppe; Negrini Francesco;

The Covid-19 outbreak put enormous stress on the health system worldwide, and objective data to handle the emergency are still needed. We aimed to objectively assess the consequence of severe symptoms of Covid-19 infection on sleep quality through wrist actigraphy monitoring of four patients during

Uploaded on October 22, 2020

September 1, 2020 (v1)

Report

Open Access

View

Migrationsreport - Südtirol 2020

Medda-Windischer, Roberta; Membretti, Andrea; Mitterhofer, Johanna;

Until the mid-nineties talking about diversity in South Tyrol meant referring to its three historical language groups. Since then, the number of people with foreign citizenship who have chosen the province of South Tyrol as their new home, has been increasing steadily. Even in the face of the pandem

Uploaded on October 22, 2020

October 22, 2020 (v1)

Dataset

Open Access

View

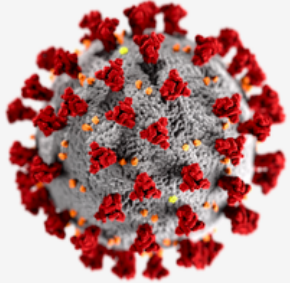
JRC COVID-19 In Vitro Diagnostic Devices and Test Methods Database

🔗 Petrillo, Mauro;

SUMMARY The JRC COVID-19 In Vitro Diagnostic Devices and Test Methods Database, aimed to collect in a single place all publicly available information on performance of CE-marked in vitro diagnostic medical devices (IVDs) as well as in house laboratory-developed devices and related test methods for

📄 New upload

Community

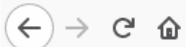


Coronavirus Disease Research Community - COVID-19

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

<https://zenodo.org/communities/covid-19>



Coronavirus Disease Research Community - COVID-19

[All versions](#)

Access Right

- ☐ Open (978)
- ☐ Restricted (12)
- ☐ Closed (11)

File Type

- ☐ Pdf (407)
- ☐ Zip (302)
- ☐ Xlsx (71)
- ☐ Csv (54)
- ☐ Gz (29)
- ☐ Docx (25)
- ☐ Png (25)
- ☐ Txt (24)
- ☐ (22)
- ☐ Tar (22)

Keywords

- ☐ COVID-19 (390)
- ☐ SARS-CoV-2 (105)
- ☐ Diamond Light Source / MX / XChem (78)

Found 1001 results.

[<](#) [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [>](#)

Sort by:

Most recent

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[View](#)[May 21, 2020 \(v1\)](#) [Dataset](#) [Open Access](#)

Is disruption of sleep quality a consequence of severe Covid-19 infection? A case-series examination

Vitale Jacopo Antonino; Perazzo Paolo; Silingardi Marina; Biffi Marco; Banfi Giuseppe; Negrini Francesco;

The Covid-19 outbreak put enormous stress on the health system worldwide, and objective data to handle the emergency are still needed. We aimed to objectively assess the consequence of severe symptoms of Covid-19 infection on sleep quality through wrist actigraphy monitoring of four patients during

Uploaded on October 22, 2020

[September 1, 2020 \(v1\)](#) [Report](#) [Open Access](#)[View](#)

Migrationsreport - Südtirol 2020

Medda-Windischer, Roberta; Membretti, Andrea; Mitterhofer, Johanna;

Until the mid-nineties talking about diversity in South Tyrol meant referring to its three historical language groups. Since then, the number of people with foreign citizenship who have chosen the province of South Tyrol as their new home, has been increasing steadily. Even in the face of the pandem

Uploaded on October 22, 2020

[October 22, 2020 \(v1\)](#) [Dataset](#) [Open Access](#)[View](#)

JRC COVID-19 In Vitro Diagnostic Devices and Test Methods Database

Petrillo, Mauro;

SUMMARY The JRC COVID-19 In Vitro Diagnostic Devices and Test Methods Database, aimed to collect in a single place all publicly available information on performance of CE-marked in vitro diagnostic medical devices (IVDs) as well as in house laboratory-developed devices and related test methods for

Uploaded on October 22, 2020

[October 21, 2020 \(v3.0\)](#) [Software](#) [Open Access](#)[View](#)

goldsteinepi/covid_spatial: A Bayesian Approach to Improving Spatial Estimates of Prevalence of

Coronavirus Disease Research Com X

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🔒 https://zenodo.org/communities/covid-19/search?page=1&si: 120% ... 📧 ☆ 🔍 Search

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Type

☐ Publication (367) +

☐ Dataset (365)

☐ Software (159)

☐ Other (38)

☐ Presentation (32)

☐ Image (24) +





☐ Poster (8)

☐ Video (8)

October 20, 2020 (1) Dataset Open Access

View

The psychological burden of the COVID-19 pandemic and its associated factors among the frontline doctors of Bangladesh: A cross-sectional study

 Barua, Lingkan;  Zaman, Muhammed Shahriar;  Omi, Fardina Rahman;  Faruque, Mithila;

This is the raw data of the frontline doctors of Bangladesh who completed the research questionnaire.

Uploaded on October 21, 2020

October 21, 2020 (1.0) Dataset Open Access

View

COVID-19: Early detection using K-Means and DBSCAN algorithms on real-time patient data

Ali, Omer; Ishak, Mohamad Khairi; Wuttisittikulkij, Lunchakorn; Bhatti, Muhammad Kamran Liaquat;

This dataset is based on the experimental study to monitor Covid-19 symptoms such as fever and dry cough and extract features to detect anomalies. The data is generated from a chest worn device where accelerometer values model the behavior of cough patterns, whereas digital infrared thermomet

Uploaded on October 21, 2020

October 20, 2020 (v16.2.4) Software Open Access

View

ocelhay/como: v16.2.4

Olivier; Bo Gao; SaiTheinThanTun; ricardoaguas;

added hospital requirement plot to baseline update epi data

Uploaded on October 21, 2020

19 more version(s) exist for this record

October 4, 2020 (v1) Journal article Open Access

View

DESEMPLEO EN TIEMPOS DE COVID-19: Efectos socioeconómicos en el entorno familiar

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October 18, 2020

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; Chowell, Gerardo

Version 32 of the dataset. In version 30 we added a few additional historical tweets in Russian provided by our coauthors.

Due to the relevance of the COVID-19 global pandemic, we are releasing our dataset of tweets acquired from the Twitter Stream related to COVID-19 chatter. Since our first release we have received additional data from our new collaborators, allowing this resource to grow to its current size. Dedicated data gathering started from March 11th yielding over 4 million tweets a day. We have added additional data provided by our new collaborators from January 27th to March 27th, to provide extra longitudinal coverage. Version 10 added ~1.5 million tweets in the Russian language collected between January 1st and May 8th, gracefully provided to us by: Katya Artemova (NRU HSE) and Elena Tutubalina (KFU). From version 12 we have included daily hashtags, mentions and emojis and their frequencies the respective zip files. From version 14 we have included the tweet identifiers and their respective language for the clean version of the dataset. Since version 20 we have included language and place location for all tweets.

The data collected from the stream captures all languages, but the higher prevalence are: English, Spanish, and French. We release all tweets and retweets on the full_dataset.tsv file (762,035,280 unique tweets), and a cleaned version with no retweets on the full_dataset-clean.tsv file (182,857,703 unique tweets). There are several practical reasons for us to leave the retweets, tracing important tweets and their dissemination is one of them. For NLP tasks we provide the top 1000 frequent terms in frequent_terms.csv, the top 1000 bigrams in frequent_bigrams.csv, and the top 1000 trigrams in frequent_trigrams.csv. Some general statistics per day are included for

38,342

views

31,168

downloads

[See more details...](#)

Indexed in

OpenAIRE

Publication date:

October 18, 2020

DOI:

DOI [10.5281/zenodo.4104587](https://doi.org/10.5281/zenodo.4104587)

Keyword(s):

[social media](#) [twitter](#) [nlp](#) [covid-19](#)
[covid19](#)

Related identifiers:

Continued by
<http://www.panacealab.org/covid19/>
(Other)

Supplement to
<https://arxiv.org/abs/2004.03688>

October 17, 2020

Dataset Open Access

BIP4COVID19: Impact metrics and indicators for coronavirus related publications

Thanasis Vergoulis; Ilias Kanellos; Serafeim Chatzopoulos; Danae Pla Karidi; Theodore Dalamagas

This dataset contains impact metrics and indicators for a set of publications that are related to the COVID-19 infectious disease and the coronavirus that causes it. It is based on:

1. The CORD-19 dataset released by the team of Semantic Scholar¹ and
2. The curated data provided by the LitCovid hub².

These data have been cleaned and integrated with data from COVID-19-TweetIDs and from other sources (e.g., PMC). The result was dataset of 189,733 unique articles along with relevant metadata (e.g., the underlying citation network). We utilized this dataset to produce, for each article, the values of the following impact measures:

- **Influence:** Citation-based measure reflecting the total impact of an article. This is based on the PageRank³ network analysis method. In the context of citation networks, it estimates the importance of each article based on its centrality in the whole network. This measure was calculated using the PaperRanking (<https://github.com/diwis/PaperRanking>) library⁴.
- **Popularity:** Citation-based measure reflecting the current impact of an article. This is based on the RAM⁵ citation network analysis method. Methods like PageRank are biased against recently published articles (new articles need time to receive their first citations). RAM alleviates this problem using an approach known as "time-awareness". This is why it is more suitable to capture the current "hype" of an article. This measure was calculated using the PaperRanking (<https://github.com/diwis/PaperRanking>) library⁴.
- **Social Media Attention:** The number of tweets related to this article. Relevant data were collected from the COVID-19-TweetIDs dataset. In this version, only tweets between Jan 21st

24,259

views

5,645

downloads

[See more details...](#)

Indexed in

OpenAIRE

Publication date:

October 17, 2020

DOI:

DOI 10.5281/zenodo.4099186

Keyword(s):

COVID-19 coronavirus scientometrics bibliometrics

Related identifiers:

Cites
<https://pages.semanticscholar.org/coronavirus-research> (Dataset)
<https://github.com/diwis/PaperRanking> (Software)

COVID-19 CT Lung and Infection Se X

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







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April 20, 2020

Dataset

Open Access

COVID-19 CT Lung and Infection Segmentation Dataset

 Ma Jun;  Ge Cheng;  Wang Yixin;  An Xingle;  Gao Jiantao;  Yu Ziqi;  Zhang Mingqing;  Liu Xin;  Deng Xueyuan;  Cao Shucheng;  Wei Hao;  Mei Sen;  Yang Xiaoyu;  Nie Ziwei;  Li Chen; Tian Lu;  Zhu Yuntao; Zhu Qiongjie; Dong Guoqiang; He Jian

This dataset contains 20 labeled COVID-19 CT scans. Left lung, right lung, and infections are labeled by two radiologists and verified by an experienced radiologist. To promote the studies of annotation-efficient deep learning methods, we set up three segmentation benchmark tasks based on this dataset <https://gitee.com/junma11/COVID-19-CT-Seg-Benchmark>.

In particular, we focus on learning to segment left lung, right lung, and infections using

- pure but limited COVID-19 CT scans;
- existing labeled lung CT dataset from other non-COVID-19 lung diseases;
- heterogeneous datasets include both COVID-19 and non-COVID-19 CT scans.

12,716

👁 views

15,351

📄 downloads

[See more details...](#)

Indexed in

OpenAIRE

Publication date:

April 20, 2020

DOI:

DOI 10.5281/zenodo.3757476

Keyword(s):

COVID-19 Segmentation Lung Infection Computed tomography

Related identifiers:

Derived from <https://gitee.com/junma11/COVID-19-CT-Seg-Benchmark> (Dataset)

Communities:

Coronavirus Disease Research

Preview

📄 COVID-19-CT-Seg_20cases.zip

🗑

📄 ReadMe.txt

359 Bytes

📄 coronacases_001.nii.gz

93.2 MB

📄 coronacases_002.nii.gz

70.1 MB

📄 coronacases_003.nii.gz

67.3 MB

📄 coronacases_004.nii.gz

88.9 MB

📄 coronacases_005.nii.gz

96.5 MB

📄 coronacases_006.nii.gz

71.6 MB

📄 coronacases_007.nii.gz

85.0 MB

October 6, 2020

Dataset Open Access

Novel Coronavirus (COVID-19) Cases in The Netherlands

De Bruin, J

Data collector(s)

Phil, T

Project leader(s)

De Bruin, J

Project member(s)

Voorwaart, R; Hoogerwerf, M

Researcher(s)

Menger, V; Kocken, I

On 27 February 2020, the first case of COVID-19 disease was confirmed in The Netherlands by RIVM (National Institute for Public Health and the Environment). In the weeks after, thousands of people were diagnosed with the infectious disease. Data on COVID-19 case counts are important for research and applications on various topics like epidemiology and statistics.

This dataset contains reported case counts derived from official sources like RIVM (National Institute for Public Health and the Environment), LCPS (National Coordination Center for Patient Distribution), and NICE (National Intensive Care Evaluation). Data from these sources are collected, standardized, and published in various formats on a daily basis.

The README document in this repository provides an overview of the available datasets, their file location(s), and codebooks. Copies of the original data are stored in the folder named 'raw_data'. Scripts to process the raw data into standardized files can be found in the folder workflows.

9,384

views

2,503

downloads

[See more details...](#)

Indexed in

OpenAIRE

Publication date:

October 6, 2020

DOI:

DOI [10.5281/zenodo.4068121](https://doi.org/10.5281/zenodo.4068121)

Keyword(s):

covid-19 corona coronavirus
netherlands dataset timeseries
pandemic rivm sars-cov-2 nederland

Communities:

[Coronavirus Disease Research](#)
[Community - COVID-19](#)
[Zenodo](#)

License (for files):

August 13, 2020

Dataset Open Access

Linked COVID-19 Data: Robert Koch-Institut (RKI)

 Florian Thiery

Linked COVID-19 Data derived from

Robert Koch Institute

using the COVID-19 Ontology

[10.5281/zenodo.3757828](https://doi.org/10.5281/zenodo.3757828)

developed for the Linked COVID-19 Data Dashboard: <http://covid19data.link>

8,476

👁 views

4,219

📄 downloads

[See more details...](#)

Indexed in

OpenAIRE

This files include data for

- covid19_rki*.ttl - single COVID-19 cases per day, collected by the RKI
 - <https://www.arcgis.com/home/item.html?id=dd4580c810204019a7b8eb3e0b329dd6>
 - "confirmed" is calculated by the column "Refdatum"
- covid19_rki_ger.ttl - COVID-19 cases per day for Germany, collected by the RKI
- covid19_rki_ger_cum.ttl - COVID-19 cases accumulated per day for Germany, collected by the RKI
- covid19_rki_fs.ttl - COVID-19 cases per day for the federal states in Germany, collected by the RKI
- covid19_rki_fs_cum.ttl - COVID-19 cases accumulated per day for the federal states in Germany, collected by the RKI

This RDF files are based on the NPGEO Corona Hub 2020

- https://opendata.arcgis.com/datasets/dd4580c810204019a7b8eb3e0b329dd6_0.geojson
- <https://npggeo-corona-npggeo-de-hub.arcgis.com/datasets>

Publication date:

August 13, 2020





DOI:

DOI [10.5281/zenodo.3983086](https://doi.org/10.5281/zenodo.3983086)

Keyword(s):

Linked Data COVID-19
Robert-Koch Institute

Subject(s):

COVID-19 
2019-20 COVID-19 pandemic 
2020 coronavirus pandemic in Germany 
Linked COVID-19 Data 

Related identifiers:


Linked COVID-19 Data: Johns Hopk... X

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August 13, 2020

Dataset Open Access

Linked COVID-19 Data: Johns Hopkins University (JHU) and European Centre for Disease Prevention and Control (ECDC)

 Florian Thiery

Linked COVID-19 Data derived from

Johns Hopkins University

and

European Centre for Disease Prevention and Control

using the COVID-19 Ontology

[10.5281/zenodo.3757828](https://doi.org/10.5281/zenodo.3757828)

developed for the Linked COVID-19 Data Dashboard: <http://covid19data.link>

7,764
views

808
downloads

See more details...

Indexed in

OpenAIRE

Publication date:
August 13, 2020

DOI:
DOI [10.5281/zenodo.3983085](https://doi.org/10.5281/zenodo.3983085)

Keyword(s):

Linked Data COVID-19

Johns Hopkins University

European Centre for Disease Prevention and Control

Subject(s):

COVID-19

2019–20 COVID-19 pandemic

Linked COVID-19 Data

This files include data for

- covid19_jhu.ttl - COVID-19 data collected by the JHU
- covid19_ecdc.ttl - COVID-19 data collected by the ECDC

This RDF files are based on

- <https://pomber.github.io/covid19/timeseries.json>
- <https://opendata.ecdc.europa.eu/covid19/casedistribution/json/>

September 5, 2020

Dataset Open Access

Covid19Kerala.info-Data: A collective open dataset of COVID-19 outbreak in the south Indian state of Kerala

[Jijo Ulahannan](#); [Nikhil Narayanan](#); [Sooraj P Suresh](#); [Nishad Thalath](#); [Sreekanth Chaliyeduth](#); [Prem Prabhakaran](#); [Jeevan Uthaman](#); [Akhil Balakrishnan](#); [Manoj Karingamadathil](#); [Hritwik N Edavalath](#); [Shabeesh Balan](#); [Neetha Nanoth Vellichirammal](#); [Sharadh Manian](#); [Musfir Mohammed](#); [E Rajeevan](#); [Sindhu Joseph](#); [Sreehari Pillai](#); [Unnikrishnan Sureshkumar](#); [Kumar Sujith](#)

Covid19Kerala.info-Data is a consolidated multi-source open dataset of metadata from the COVID-19 outbreak in the Indian state of Kerala. It is created and maintained by volunteers of 'Collective for Open Data Distribution-Keralam' (Codd-K), a nonprofit consortium of individuals formed for the distribution and longevity of open-datasets. Covid19Kerala.info-Data covers a set of correlated temporal and spatial metadata of SARS-CoV-2 infections and prevention measures in Kerala. Static releases of this dataset snapshots are manually produced from a live database maintained as a set of publicly accessible Google sheets. This dataset is made available under the Open Data Commons Attribution License v1.0 (ODC-BY 1.0).

Schema and data package

Datapackage with schema definition is accessible at <https://codd-k.github.io/covid19kerala.info-data/datapackage.json>. Provided datapackage and schema are based on [Frictionless data Data Package specification](#).

Temporal and Spatial Coverage

This dataset covers COVID-19 outbreak and related data from the state of Kerala, India, from January 31, 2020 till the date of the publication of this snapshot. The dataset shall be maintained throughout the entirety of the COVID-19 outbreak.

7,654

views

279

downloads

[See more details...](#)

Available in

GitHub

Indexed in

OpenAIRE

Publication date:

September 5, 2020

DOI:

DOI [10.5281/zenodo.4015953](https://doi.org/10.5281/zenodo.4015953)

Keyword(s):

COVID-19 SARS-Cov-2 Kerala
Open Data India

September 17, 2020

Dataset Open Access

Crowdsourced air traffic data from The OpenSky Network 2020

 Xavier Olive;  Martin Strohmeier; Jannis Lübke

Motivation

The data in this dataset is derived and cleaned from the full OpenSky dataset to illustrate the development of air traffic during the COVID-19 pandemic. It spans all flights seen by the network's more than 2500 members since 1 January 2019. More data will be periodically included in the dataset until the end of the COVID-19 pandemic.

License

See LICENSE.txt

Disclaimer

The data provided in the files is provided as is. Despite our best efforts at filtering out potential issues, some information could be erroneous.

- Origin and destination airports are computed online based on the ADS-B trajectories on approach/takeoff: no crosschecking with external sources of data has been conducted. Fields **origin** or **destination** are empty when no airport could be found.
- Aircraft information come from the OpenSky aircraft database. Fields **typecode** and **registration** are empty when the aircraft is not present in the database.

Description of the dataset

One file per month is provided as a csv file with the following features:

- **callsign**: the identifier of the flight displayed on ATC screens (usually the first three letters are reserved for an airline: AFR for Air France, DLH for Lufthansa, etc.)
- **number**: the commercial number of the flight when available (the matching with the callsign

7,167

👁 views

6,375

📄 downloads

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<https://traffic-viz.github.io/scenarios/covid19.html> (Software)

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Clinical



Omics



Epidemiology



Social Sciences



Community Participation for Data Sharing under COVID-19

Indigenous Data under COVID-19

Legal and Ethical Considerations under COVID-19

Research Software and Data Sharing under COVID-19

- April 1st through June 30th, 2020
- Weekly update webinar and writing sprint
- Over 600 data professional experts
- 4 Research domains and 4 cross cutting areas



Executive Summary: Key Recommendations

- 1** Coordinate cross-jurisdictional efforts to foster global Open Science through policy and investment.
- 2** Incentivise early publication and release of data and software outputs.
- 3** Invest in state-of-the-art IT, data management systems infrastructure, economies of scale, and people.
- 4** Data, software and models should be **timely and FAIR**: Findable, Accessible, Interoperable, Reusable.
- 5** Require the use of **Data Management Plans**.
- 6** Use common generic as well as domain-specific metadata standards, and persistent identifiers.
- 7** Provide **documentation** of context, methodologies used to define, construct, and compile data, data cleaning and quality checks, data imputation, and data provenance.
- 8** Use **Trustworthy Data Repositories** committed to the long-term preservation and sustained access to their data holdings.
- 9** **Expedite** article and data review processes, **prioritising** and **fast-tracking** data at all stages.
- 10** **Balance ethics and privacy**, taking into account public interests and benefits while addressing the health crisis.
- 11** Access should be as **open as possible** and as **closed as necessary**.
- 12** Seek **technical solutions** that ensure anonymisation, encryption, privacy protection, and de-identification to **increase trust** in data sharing.
- 13** Provide **legal frameworks** that **promote sharing** of surveillance data across jurisdictions and sectors.



Спасибо!
Вопросы!?

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