



[About BY-COVID](#)

The BeYond-COVID project is making a wide range of COVID-19 data accessible to scientists in laboratories and anyone who can use it, such as medical staff in hospitals and government officials.

Going beyond SARS-CoV-2 data, the project provides a framework for making data from other infectious diseases open and accessible to everyone.

News



Repurposing COVID-19 pipelines for monkeypox

BY-COVID is creating a framework to enable data from newly emerging infectious disease threats to be rapidly and widely accessible. The current monkeypox outbreak is demonstrating how BY-COVID services can be adapted to new infectious agents.

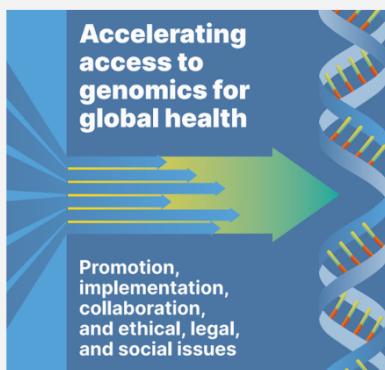
[Read the blog post»](#)



OpenAIRE and FAIRsharing collaboration

As part of the **BY-COVID** project, a proof of principle activity has brought together OpenAIRE and FAIRsharing to ensure interconnected information is available to researchers in all disciplines and other stakeholders worldwide.

[Read the blog post»](#)



WHO report on access to genomics for global health

The publication presents the recommendations of the WHO Science Council on accelerating access to genomics for global health, and contains fifteen recommended actions to achieve equitable access.

[Read more»](#)



Wellcome report on open data sharing

The report explores the impact of calls to rapidly and openly share COVID-19 research findings to inform the public health response, and sets out recommendations for organisations who may wish to develop statements as a policy tool.

[Read more»](#)

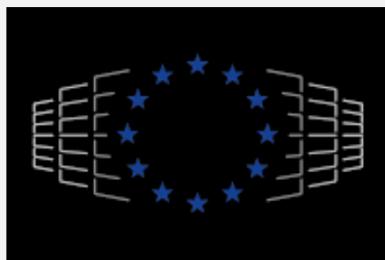


COVID-19 Industry survey

Fill in the BY-COVID Industry survey to join the BY-COVID industry community and engage in upcoming industry-related activities.

[Open the survey»](#)

Open calls



Next deadline 4 November 2022

EuroHPC call for proposals

Researchers from academia, research institutes, public authorities and industry, established or located in an EU Member State or in a country associated with Horizon 2020, can apply and access the EuroHPC pre-exascale and petascale supercomputers.

[Read more»](#)



Open as long as funding available

ISIDORe call for proposals

The Integrated Services for Infectious Disease Research (ISIDORe) has a call for proposals, open to all, for free access to over 300 services to support scientists with an interest in SARS-CoV-2 and COVID-19. A call for monkeypox research will be reopened shortly.

[Read more»](#)

Events

INTERNATIONAL CONFERENCE ON
RESEARCH INFRASTRUCTURES

**ICRI 2022 - SIDE EVENT
INTEGRATED SERVICES FOR
INFECTIOUS DISEASE OUTBREAK
RESEARCH**



19 OCTOBER 2022, 9:30-12:00 CET

ISIDORe side event at the International Conference on Research Infrastructures 2022

19 October | 9:30-12 CET | Hybrid

[Find out more»](#)

NOTES



A role for *in vivo* imaging in infectious disease: driving drug discovery by monitoring treatment response

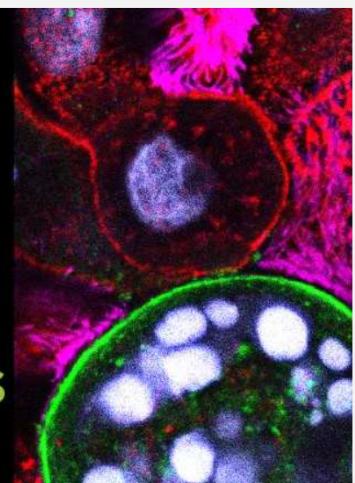
Ann-Marie Chacko
Duke-NUS Medical School



VIRTUAL

Euro-BioImaging
user forum

**Fighting infectious
diseases**





Euro-BioImaging user forum - fighting infectious diseases

6 October | 14-17 CET | Virtual

[Find out more»](#)

Recommended reads

BY-COVID project deliverables

- Project handbook
- Communications plan
- Data management plan
- Metadata standards
- Initial data and metadata harmonisation at domain level

Keep up to date with project deliverables on the [BY-COVID Zenodo community»](#)

March 2022

May 2022

**Clusters of unusual
mutational changes
in Omicron lineage**

**Systemic barriers
to pathogen-
related data**

BA.1

sharing

Martin et al., Molecular Biology & Evolution

We propose that mutations in three clusters interact to mitigate their individual fitness costs and adaptively alter the function of Spike.

[Read more»](#)

Yehudiet al., Data and Policy

We report results of a study interviewing data professionals working with COVID-19-relevant data types including social media, mobility, viral genome, testing, infection, hospital admission and deaths.

[Read more»](#)

August 2022

July 2022

A lightweight distributed provenance model

Wittner et al., Nature Scientific Data

We define a lightweight provenance model enabling generation of distributed provenance chains in complex, multi-organizational environments.

[Read more»](#)

COVID-19 vaccine effectiveness assessment - CDM specification

Estupiñán-Romero et al., Zenodo

The Common Data Model specification of the BY-COVID project (WP5) on COVID-19 vaccine effectiveness in preventing SARS-CoV-2 infection.

[Read more»](#)

Partner spotlight

BY-COVID has 53 partners throughout Europe, here are two of them.



ETHNIKO KENTRO KOINONIKON EREVNON (EKKE) is the Greek National Centre for Social Research based in Athens.

EKKE is involved in BY-COVID through:

- Providing expertise on socio-economics data relevant to infectious disease outbreaks (WP2)
- Contributing to metadata standards, indexing, usage indicators and credit attribution (WP3)
- Providing support for training and capacity building (WP6)

[Read more»](#)



EU-OPENSCREEN is the European infrastructure of open screening platforms for chemical biology. Their compound collections are based in a laboratory facility on the Research-Campus Berlin-Buch in Germany.

EU-OPENSCREEN is involved in BY-COVID, together with its partner site ITMP Fraunhofer Hamburg, through:

- Enabling data transfer of bioactivity studies and building substantial links between BY-COVID and data emerging from the ISIDORe project (WP2)
- Contributing data for investigation of biomolecular models of SARS-CoV-2 variants (WP5)

[Read more»](#)

Send updates, stories and events for the next BY-COVID newsletter to Elaine Westwick, Communications Officer, ELIXIR Hub [elaine.westwick@elixir-europe.org»](mailto:elaine.westwick@elixir-europe.org)



BeYond COVID Project

BY-COVID receives funding from the European Union's Horizon Europe Research and Innovation Programme under grant agreement number [101046203](#)

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