



### [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»](#)

[Find out about the Monkeypox Knowledge Graph»](#)

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### 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»](#)

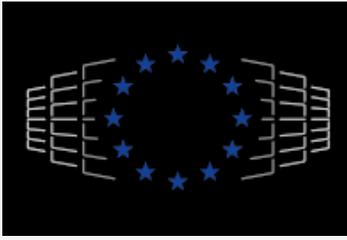


## COVID-19 Industry survey

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»](#)



The poster features a vertical 'KEYNOTES' banner on the left. The main content is on a dark background with a green and pink color scheme. It includes two speaker profiles: Ann-Marie Chacko and Cristina Risco Ortiz. The event title is 'Euro-BioImaging user forum' and the theme is 'Fighting infectious diseases'. The date and time are 'Thursday, 6 October 2022' and '14:00-17:00 CEST'. The Euro-BioImaging logo is at the bottom left, and a microscopic image of cells is on the right.

**KEYNOTES**

**VIRTUAL**

**Euro-BioImaging user forum**

**Fighting infectious diseases**

**Thursday, 6 October 2022**

**14:00-17:00 CEST**

**EURO BIOIMAGING**

**Ann-Marie Chacko**  
Duke-NUS Medical School

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

**Cristina Risco Ortiz**  
Cell Structure Laboratory, CNB-CSIC

Imaging viral infections: Identifying new targets for antiviral treatments

## 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

## Clusters of unusual mutational changes in Omicron lineage BA.1

*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»](#)

May 2022

## Systemic barriers to pathogen-related data sharing

*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

## 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»](#)

July 2022

## 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»](#)

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# 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»](#)

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**EU-OPENSSCREEN** 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-OPENSSCREEN 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»](#)

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*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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