

ELIXIR

RI for data life sciences

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Head of Node ELIXIR Belgium

BBMRI.be 10th anniversary meeting



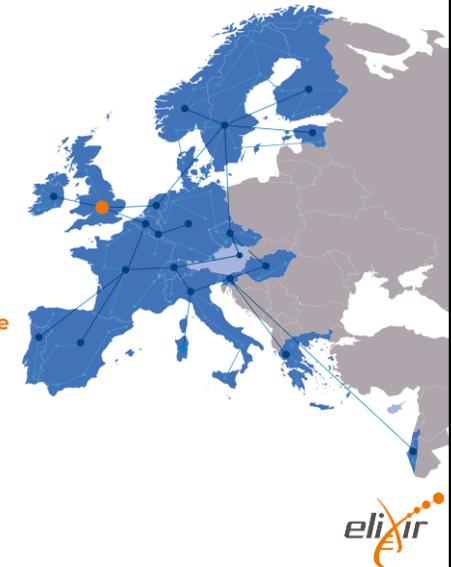
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ELIXIR

ELIXIR is an intergovernmental organisation that brings together life science resources such as **databases, software tools, training materials, standards** and **compute resources**, from across Europe.

The goal of ELIXIR is to **coordinate life science resources from across Europe so they form a single infrastructure**. This makes it easier for scientists to:

- Find and share data
- Exchange expertise
- Agree on best practices in scientific research



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ELIXIR – what do we do

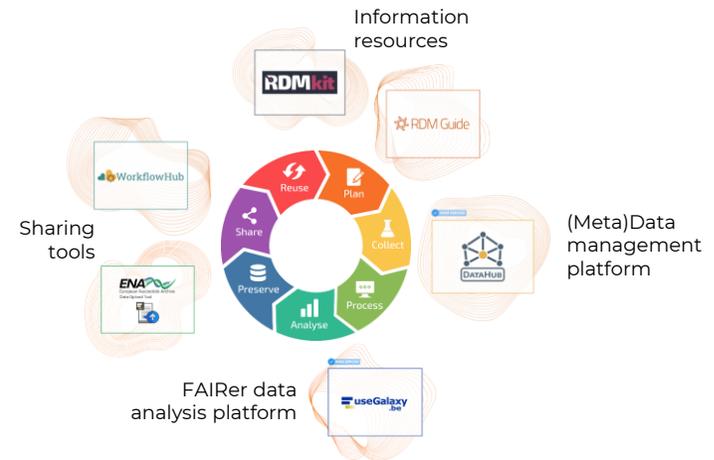
We build life science informatics **capacity and infrastructure** in Europe, connect and develop a **network of experts** and provide hundreds of high quality **services and resources** available to all

-  Databases
-  Training
-  Software tools
-  Data standards
-  Compute resources
-  Scientific & technical experts

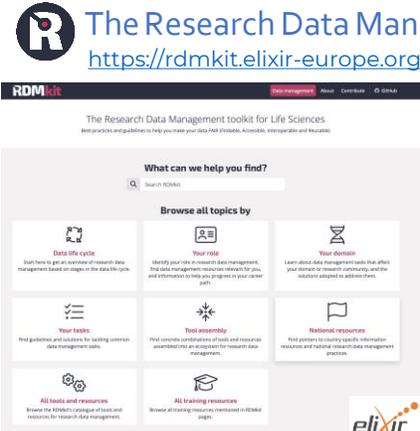


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ELIXIR-Belgium services for Research Data Management



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R The Research Data Management toolkit for Life Sciences
<https://rdmkit.elixir-europe.org>

The Research Data Management toolkit for Life Sciences
 Best practices and guidelines to help you make your data FAIR (Findable, Accessible, Interoperable and Reusable)

What can we help you find?
 Search RDMkit

Browse all topics by

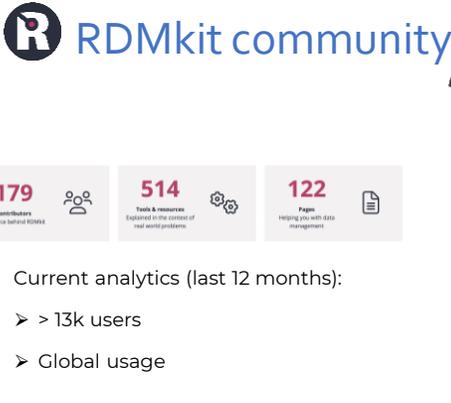
- Data life cycle: Start from a gap or collection of research data management based on stages in the data life cycle.
- Your role: Identify your role in research data management, find data management resource networks for you, and information to help you progress in your career path.
- Your domain: Learn about data management tools that affect your domain or research community, and the solutions designed to address them.
- Your tasks: Find guidelines and resources for solving common data management tasks.
- Tool assembly: Find concrete combinations of tools and resources assembled into an ecosystem for research data management.
- National resources: Find pointers to country specific information resources and national research data management practices.
- All tools and resources: Browse the RDMkit catalogue of tools and resources for research data management.
- All training resources: Browse all training resources mentioned in RDMkit pages.

- Best practices, guidelines, tools and examples for RDM
- Link to registries for more information and similar resources
 - Training 
 - Tools 
 - Databases, standards, policies 
- Link to "how to FAIR" recipes 
- Link to decision tree based questionnaire for DMP support 

Recommended in the [Horizon Europe Program Guide](#) as the resource for "DM guidelines and good practices for the Life Sciences".



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R RDMkit community

elixir CONVERGE

- RDM experts across ELIXIR EU
- Open contribution and editorial process
 - Contributors
 - Editors
- Based on
 - GitHub
 - ELIXIR Toolkit Theme

Current analytics (last 12 months):

- > 13k users
- Global usage

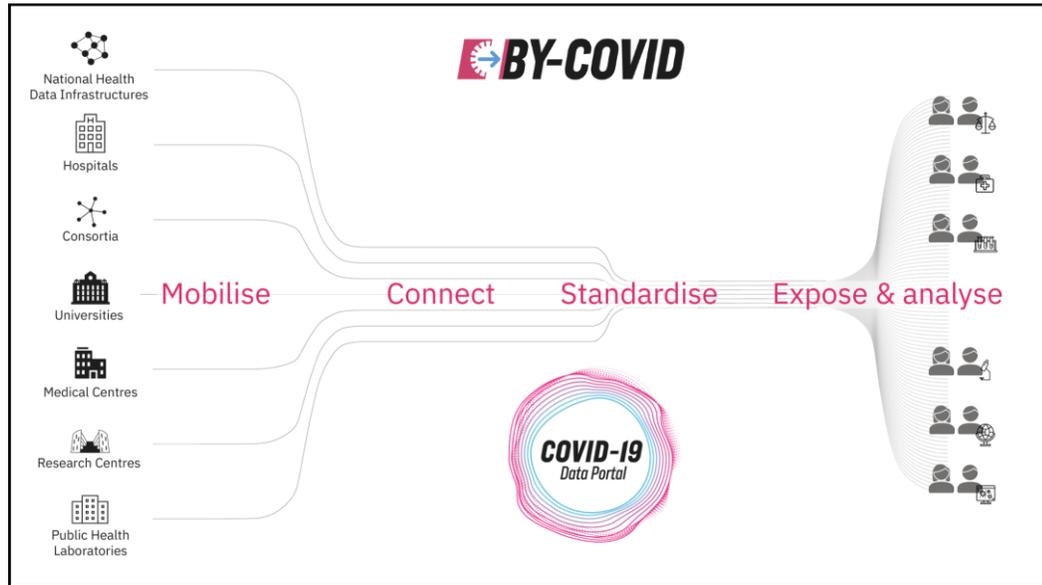
179 Contributors
The force behind RDMkit

514 Tools & resources
Explored in the context of real world problems

122 Pages
Helping you with data management



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Infectious Diseases Toolkit

Infectious Diseases Toolkit Main About Contribute GitHub Search Infectious Diseases

Main National resources

National resources

The national resources pages provide a general overview of resources, tools, and information related to the management of infectious disease data in a given country. The aim of these pages is ultimately to promote greater information exchange between countries so that all can benefit from each other's experiences. In particular, we hope that the descriptions of initiatives and resources developed in one country can provide valuable insights for others looking to create similar solutions for their own needs.

Many of the resources on the pages were developed during the COVID-19 pandemic and, as such, are focused on COVID-19. However, the practices, guidance, and other resources shown can be repurposed for use with other pathogens.

- Belgium
- Netherlands
- Norway
- Sweden
- Switzerland

Tools and resources list
Training resources list

BBMRI-ERIC

MIRRI EUROPEAN RESEARCH INFRASTRUCTURE

ecrin

eatris EURO BIOIMAGING

European infrastructure for translational medicine

erinha European Research Infrastructure on High Pathogen Agents

INFRAFRONTIER

eu:openscreen

instruct ERIC **elixir BELGIUM**

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EOSC-Life



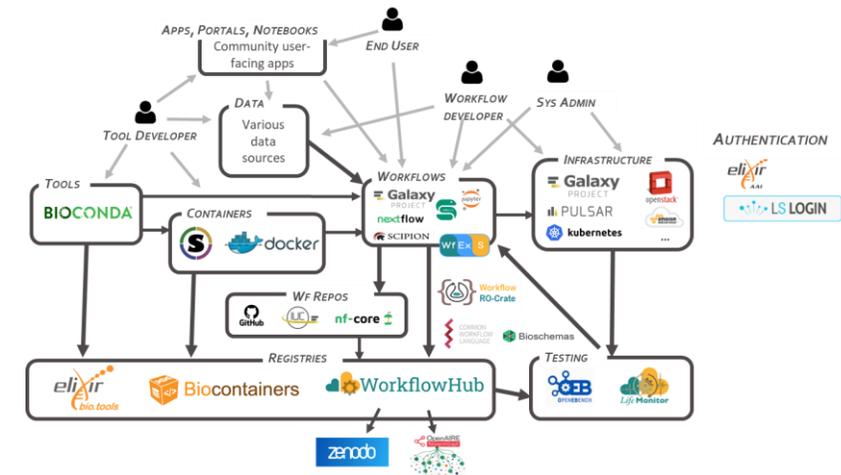
13 Life Science Research Infrastructures

Create an open, digital and collaborative space for biological and medical research.

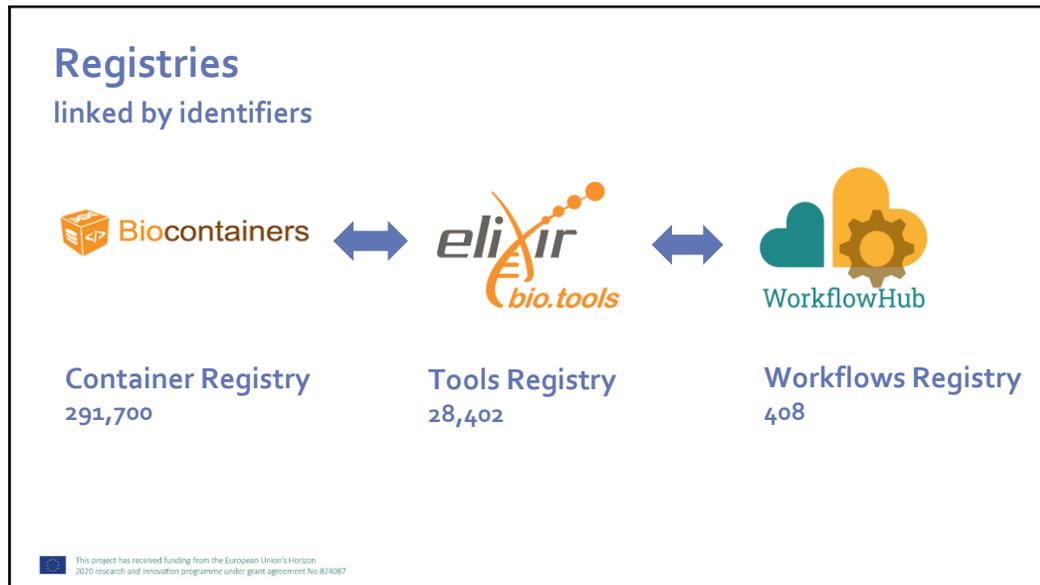
<https://www.eosc-life.eu/>

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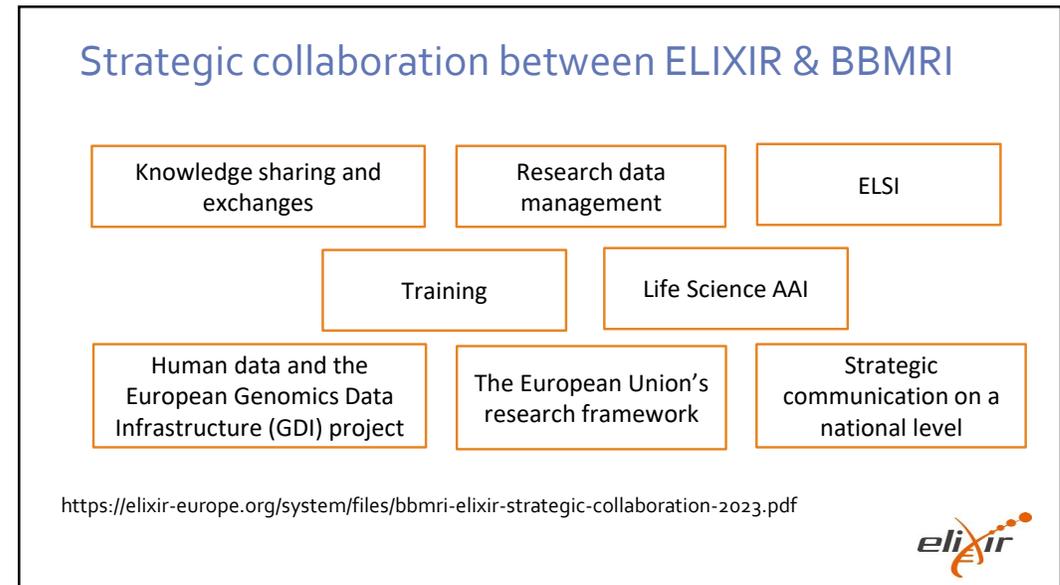
A FAIR workflow collaboratory of services



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European
Genomic Data
Infrastructure



DATA SPACES
SUPPORT CENTRE

European Genomic Data Infrastructure

GDI website
@GDI_EUproject
/company/gdi-euproject

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1+MG initiative

“1+MG facilitates countries to realise a practice of personalised medicine and health, based upon a shared ‘trust framework’ and **the infrastructure** to safely access and integrate high quality genomic data and other health data across borders”



Observer countries

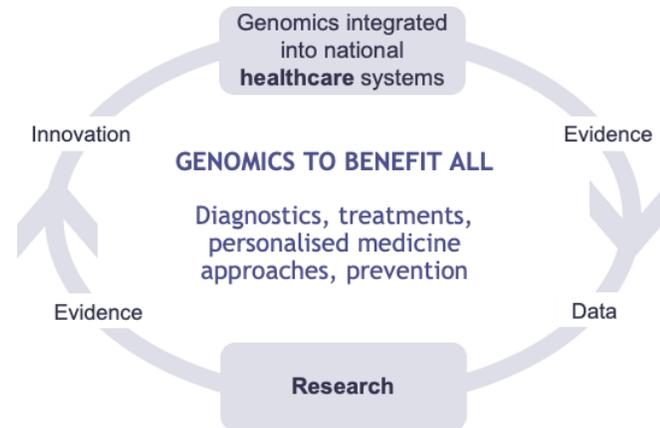
updated on 16 November 2022

European Commission

- Austria
- Belgium
- Bulgaria
- Croatia
- Cyprus
- Czech Republic
- Denmark
- Estonia
- Finland
- France
- Germany
- Greece
- Hungary
- Ireland
- Italy
- Latvia
- Lithuania
- Luxembourg
- Malta
- Netherlands
- Norway
- Portugal
- Slovenia
- Spain
- Sweden
- UK

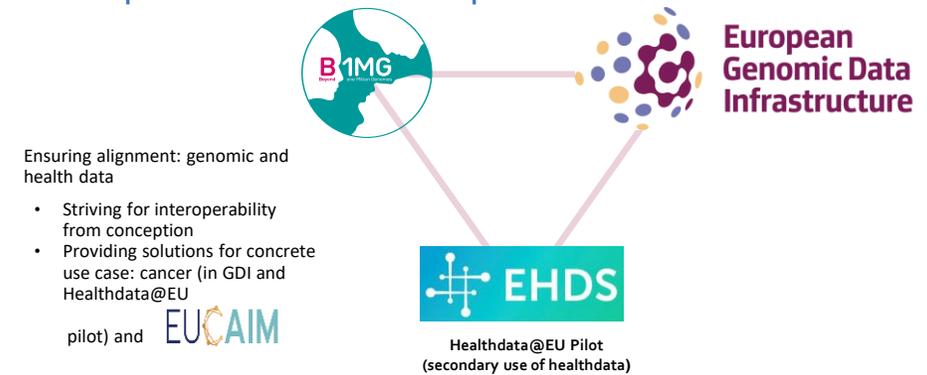
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Aims of 1+MG



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Cancer use case, connecting genomics into the European Health Data Space



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Acknowledgements



DEPARTEMENT
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INNOVATIE



VLAAMS
SUPERCOMPUTER
CENTRUM



Vlaanderen
is supercomputing

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 BY-COVID project receives funding from the European Union's Digital Europe Programme under grant agreement number 101081813.



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