



[About GDI](#)

The European Genomic Data Infrastructure (GDI) project is enabling access to genomic and related phenotypic and clinical data across Europe by establishing a federated, sustainable and secure infrastructure to access the data.

The project builds on the outputs of the Beyond 1 Million Genomes (B1MG) project and is realising the ambition of the 1+Million Genomes (1+MG) initiative.

Highlights



Welcome to this first edition of the European Genomic Data Infrastructure (GDI) project newsletter. GDI is an exciting project that will develop and deploy infrastructure to enable secure access to genomics and corresponding clinical data across Europe. Ensuring this infrastructure is in place and sustained is critical to realise the potential of genomic medicine - essentially ensuring there is a continuous feedback loop between healthcare and research for genomics. As more and more genomic data

will be generated and integrated into national health systems we will need capabilities to ensure that data can be made securely accessible for research where possible. Accessing data across borders will bring benefit to all as the scale of data needed for clinical and research studies can be achieved. The project will also focus on federated analysis of data with studies focussed on cancer, infectious disease and use of a genomic reference cohort (the Genome of Europe). These use case studies will identify solutions and guide the development of the infrastructure that will in turn enhance the implementation of genomics into healthcare.

This first year of the project will be overlapping with the B1MG project that has worked over the past 3 years to build recommendations and guidelines to advance towards the deployment of personalised medicine at the European scale. This includes guidance on data governance, standards, quality and infrastructure, recommendations on how to approach citizen engagement as well as a tool for countries to self-assess implementation into healthcare. These recommendations will be used and developed further by the GDI project. These recommendations can also be used by other European initiatives that will benefit from accessing/combining genomic and other

types of data including the European Health Data Space and European Cancer Image Initiative. GDI will promote governance and technical interoperability across these initiatives.

Thank you for connecting with us. As subscribers to this newsletter you'll hear about the exciting milestones and developments occurring in this project, as well as news from our project partners. There is a lot to do in the next four years but the project partners have already made a great start. We are always happy to hear your thoughts so please contact us if you wish!

GDI and the 1+Million Genomes Initiative

The aim of the GDI project is to realise the [1+MG initiative](#)'s ambition of creating a data infrastructure that will enable secure access to genomics and corresponding clinical data across Europe.

The B1MG project provides coordination and support to the 1+MG initiative and works on the design and testing of the initiative's concept. GDI is a scale up of the B1MG project to sustain cross-border secured access to genomic and health data. During the project, GDI will focus on the deployment and operation of the required data infrastructure.

[Read the project's kick-off news release»](#)

Project updates

GDI website launched

The GDI website was launched in 2022 and includes an overview of the project objectives. In the future, the website will be expanded to give more details on the project milestones and relevant news and events.

[Visit the website»](#)



Follow us on social media

You can follow us on Twitter or/and LinkedIn to receive the latest updates of the project, attend relevant events, training courses or webinars, find related job vacancies and exchange ideas, outcomes or doubts with the GDI community.

[Twitter: @GDIproject»](#)

[LinkedIn: Genomics Data Infrastructure»](#)

GDI Pillar II held a successful first workshop in March

In March, GDI Pillar II held its first workshop in Sweden with 65 experts from 18 countries in Europe gathering together to define the starter kit for the European Genomic Data Infrastructure services that will include open source reference implementations of global standards tailored for GDI needs as well as +2,500,000 realistic synthetic genomics and associated clinical data.

[Outcomes of the discussions are on GitHub»](#)

Recommended events



Health Data Hub - Data Challenges for Health

In partnership with the French Ministerial Delegation for eHealth and the French Public Investment Bank, the Health Data Hub announced the launch of the "Data Challenges for Health" competitions.

APRIL 2023 - [The Allergen Chip Challenge](#) - Detect allergens and their combinations responsible for allergic reactions and their severity

[Register to stay tuned with the future challenges»](#)



ESHG 2023

10-13 June 2023 | Hybrid - Glasgow, UK

The European Society of Human Genetics is holding its annual meeting in June as a hybrid conference. The annual ESHG conference is the major scientific and professional human genetics event, bringing together European and international geneticists.

Please note that five B1MG or GDI project-related abstracts have been accepted so it will be a great meeting to find out more about the project and speak to some of the project partners

[More information and registration»](#)

Recommended reads

HealthData@EU Pilot project Proof of Concept

In March 2023 the HealthData@EU Pilot project entered a crucial phase: the proof of concept (POC) phase. The new HealthData@EU Pilot report provides a first high-level vision of the target architecture of the POC and details the key steps to deliver the minimum viable product (MVP) by the end of 2023.

[Find out more»](#)

Send updates, stories and events for the next GDI newsletter to GDI Coordination Office at gdi-coordination@elixir-europe.org.

Follow GDI project updates on our social media and website.



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