



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

An infographic titled "GDI Node Hackathon in Lapland, Finland" with the European Genomic Data Infrastructure logo. It features two large numbers: "19" next to a European Union flag icon and "59" next to a group of people icon. Below these, it says "EU countries" and "Participants (mostly developers)". Under the heading "Results...", it lists "3 cross-border data integration bugs found and fixed" with a magnifying glass icon, and "Clear organisation of national genomic data environments into staging and production". At the bottom, it states "15 countries with national data services securely connected to the European end-user portal" with a globe icon.

15 countries connected to European end-user portal

Following a three-day GDI hackathon in Finland, the national data services of 15 GDI nodes are securely connected to the European end-user portal, either in staging or production. Most of these data are still synthetic data, but the project is working on integrating more real data demonstrations. This is an important milestone in the 1+MG initiative, which will enable Europe to move forward on establishing an operational federated Genomic Data Infrastructure.

[Check the hackathon highlight on LinkedIn»](#)

GDI/ B1MGplus Stakeholder Forum summary report and slides available on Zenodo

The GDI/B1MGplus Stakeholder Forum, held on 20 January 2026, brought together over 70 participants from across Europe and beyond. The Forum provided an update on progress across 1+Million Genomes Initiative projects, with a particular focus on how outputs developed within B1MGplus and GDI projects are providing value to other European health and research data space initiatives.

[Read the summary report»](#)

Survey: Perspectives on the training of healthcare professionals in genomic medicine

This GDI project survey will inform the development of recommendations for the training of healthcare professionals in genomic medicine. The answers will help shape effective training programmes and foster engagement.

[Fill out the survey»](#)

Project updates

Updated infrastructure status report and updated roadmap

The deliverable provides an updated infrastructure status report and roadmap, describing the project's work on adjusting the technical framework of the genomic data infrastructure. The report also indicates that the requirements on interoperability and security remain and the focus on shaping security procedures increases.

[Read more»](#)

Federated access and federated learning technologies for advanced data analytics scenarios

The deliverable presents the GDI project's progress towards enabling privacy-preserving, distributed data analysis across national genomic data nodes. It builds upon the architectural work and the use-case-driven activities of the project partners to demonstrate how federated processing can be achieved across the GDI ecosystem.

[Read more»](#)

Recommended reads

Federated learning frameworks: quality and interoperability for biomedical research

This review examines the current landscape of federated learning frameworks to evaluate their long-term sustainability, flexibility, and usability in biomedical research, where strict data regulations limit data sharing across institutions. The analysis

highlights the necessity for federated learning frameworks to evolve toward greater interoperability, flexibility, and privacy awareness.

[Read more»](#)

Federated EGA metadata technical report: EGA V2 model

This report documents the work in progress of the new, process-oriented metadata model designed by the Federated EGA Metadata Working Group. The model, under active development, prepares the FEGA network for FAIR, linked-data interoperability across human omics.

[Read more»](#)

The EU GDPR and secondary use of health and genetic data for research support purposes

The paper provides clarity around the ancillary aspect in secondary use of health and genetic data, allowing for a more coherent, consistent and efficient interpretation of the interplay between secondary use research and its closely related activities, such as the disclosure of data for such research.

[Read more»](#)

Recommended events



Global Alliance
for Genomics & Health
Collaborate. Innovate. Accelerate.

14-17 April 2026 | Hybrid

GA4GH Connect

The GA4GH Connect meeting provides an opportunity for its global community to convene, offering contributors a dedicated space to advance the GA4GH Road Map, exchange ideas, and provide valuable feedback on product development and emerging needs.

[Register now»](#)



Global Alliance
for Genomics & Health
Collaborate. Innovate. Accelerate.

28 September to 2 October 2026 | Singapore

GA4GH 14th Plenary

The Global Alliance for Genomics and Health (GA4GH) will hold its 14th Plenary meeting from 28 September to 2

October 2026 in Singapore. Co-hosted by Precision Health Research, Singapore (PRECISE), the meeting will gather participants from across the health and biomedical ecosystem to advance topics in global genomic and health data sharing.

[Register now»](#)

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

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