



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

First GDI/1+MG stakeholder forum presentations

On 23 November 2023, the GDI project held the first GDI/1+MG stakeholders forum online. The forum focused on the role of industry in building an ecosystem of genomic data sharing for patient benefit and was attended by a total of 113. The aim of the forum was to disseminate key project information, updates, and outcomes to participating stakeholders. Conclusions from this meeting include:

- The importance of increased awareness of work conducted by the industry, especially on transparency around the use and analysis of data, to gain and improve public trust.
- Collaboration with industry stakeholders for innovation and sustainability of infrastructure and tools are key.
- The need for a robust legal framework for the secondary use of data.

The presentations are now available on Zenodo.

[Check the slides»](#)

GDI deliverables

Node deployment road map

This deliverable aims to determine the

Evaluation of data governance experiences - report

timelines for each country to deploy a European Genomic Data Infrastructure node and understand the expectations and requirements each country has.

[Read the deliverable»](#)

This deliverable reports on experience collected from existing national and international data infrastructures with a focus on data access governance.

[Read the deliverable»](#)

First analysis of cost elements for the setup of 1+MG infrastructure

This deliverable defines the functional elements across the infrastructure with their independent functions in operating the infrastructure and provides lists of cost items for each of these functions including how they scale with regard to the size of the infrastructure.

[Read the deliverable»](#)

Report outlining the recommendations on data curation and ELSI compliance

This deliverable gathers best practices for the process of curating data for ingestion into GDI nodes. Data curation is a broad term that includes managing data throughout its lifecycle, overlapping with other tasks and aspects of the GDI project.

[Read the deliverable»](#)

Recommended events



EUCAIM Technical Demonstration Webinar

14 March 2024 | 10:00 - 11:30 CET | Online

The webinar will provide an introduction to EUCAIM and Cancer Image Europe, followed by a demonstration of data exploration and access within the platform. Participants will gain insights into utilising EUCAIM's federated cancer image repository.

[More information and registration»](#)



eccb2024

ECCB 2024

16-20 September 2024 | Turku, Finland

The University of Turku and the CSC – IT Center for Science have joined forces to host the 23rd European Conference on Computational Biology ECCB2024 in Turku, Finland. The theme this year focuses on data and algorithms for health and science. The call for proceedings and highlight talks and posters are still open.

[More information»](#)

In the news



European countries step up efforts to share genomic data as part of 1+ Million Genomes Initiative

The GDI project is mentioned in the latest GenomeWeb news detailing European countries' efforts to share genomic data as part of the 1+Million Genomes initiative. The article also describes GDI's collaboration with other projects, including EHDS, EOSC4Cancer, EUCAIM and the upcoming Genome of Europe project.

[Read the news \(need access through an institutional account\)»](#)

Supported publications

Purpose definition as a crucial step for determining the legal basis under the GDPR: implications for scientific research

The authors offer guidance for correctly specifying purposes of data processing under different research scenarios. To illustrate the practical necessity of purpose specification for GDPR compliance, the authors show how the proposed approach can enable controllers to meet their compliance obligations, using the example of the overarching GDPR principle of lawfulness to highlight the relevance of purpose specification for the identification of a suitable legal basis.

[Read more»](#)

The Minimal Dataset for Cancer of the 1+Million Genomes Initiative

In this preprint, the authors propose the 1+MG-MDC as a model to create homogeneous databases, which would, in turn, guide discussions on clinical and genomic features with prognostic or therapeutic value and foster real-world data research.

[Read more»](#)

Classifying and discovering genomic sequences in metagenomic repositories

This paper proposes a three-step pipeline for organism identification that uses compression-based metrics, an aggregation mechanism for content characterisation, and a web database catalogue for data exposition and visualisation.

[Read 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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