

Genotype-to-Phenotype Databased: A Holistic Solution (GEN2PHEN)

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Research Areas



Tool Development

Standard



Data-Sharing Enabler

At a Glance

- Status: **Completed Consortium**
- Year Launched: **2008**
- Initiating Organization: **European Commission Seventh Framework Programme (FP7)**
- Initiator Type: **Government**
- Location: **Europe**

Abstract

The Genotype-to-Phenotype Databases (GEN2PHEN) consortium aims to create a web-based platform to capture and unify genetic information associated with health and disease progression. The consortium's focus is to create an integrated genetic variation catalog for the research community, with a focus on disorders such as diabetes, obesity, heart disease, and cancer.

Mission

GEN2PHEN is a European-funded (Seventh Framework Programme) consortium focused on creating a database with human and model organism genetic variation data linked with other biomedical data sources via a genome browser functionality. It aims to create building blocks needed to create a complete biomedical knowledge environment, which will be used to construct a first-generation version of a genotype to phenotype (G2P) knowledge environment. This will consist of a European-centered but globally networked hierarchy of bioinformatics GRID-linked databases, tools, and standards, all tied into the Ensembl genome browser.

GEN2PHEN has the following specific objectives:

Financing

GEN2PHEN is funded by the Health Thematic Area of the Cooperation Programme of the European Commission within the Seventh Framework Programme for Research and Technological Development.

Links/Social Media Feed

Homepage <http://www.gen2phen.org/>
Twitter [@gen2phen](https://twitter.com/gen2phen)

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