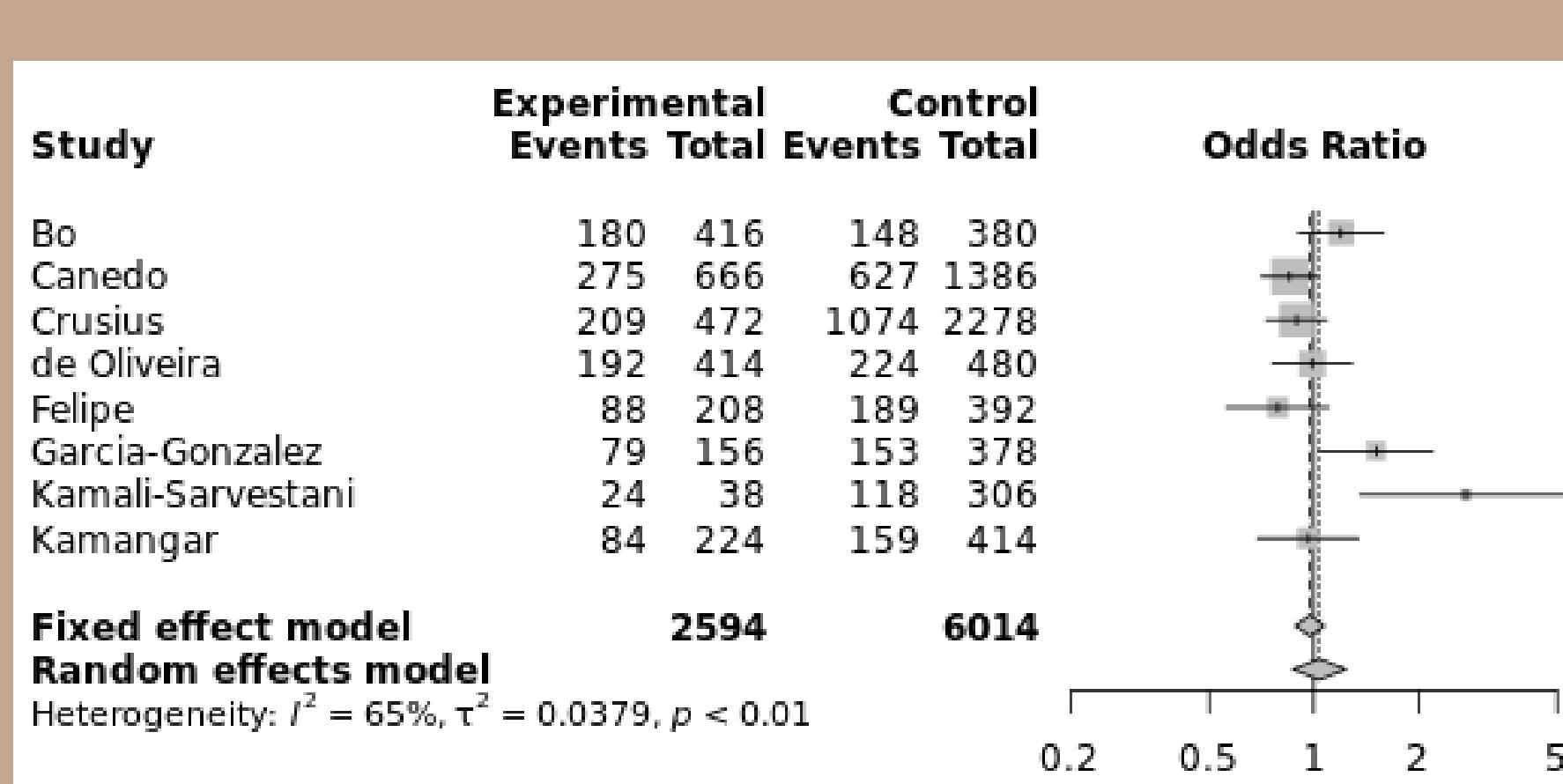


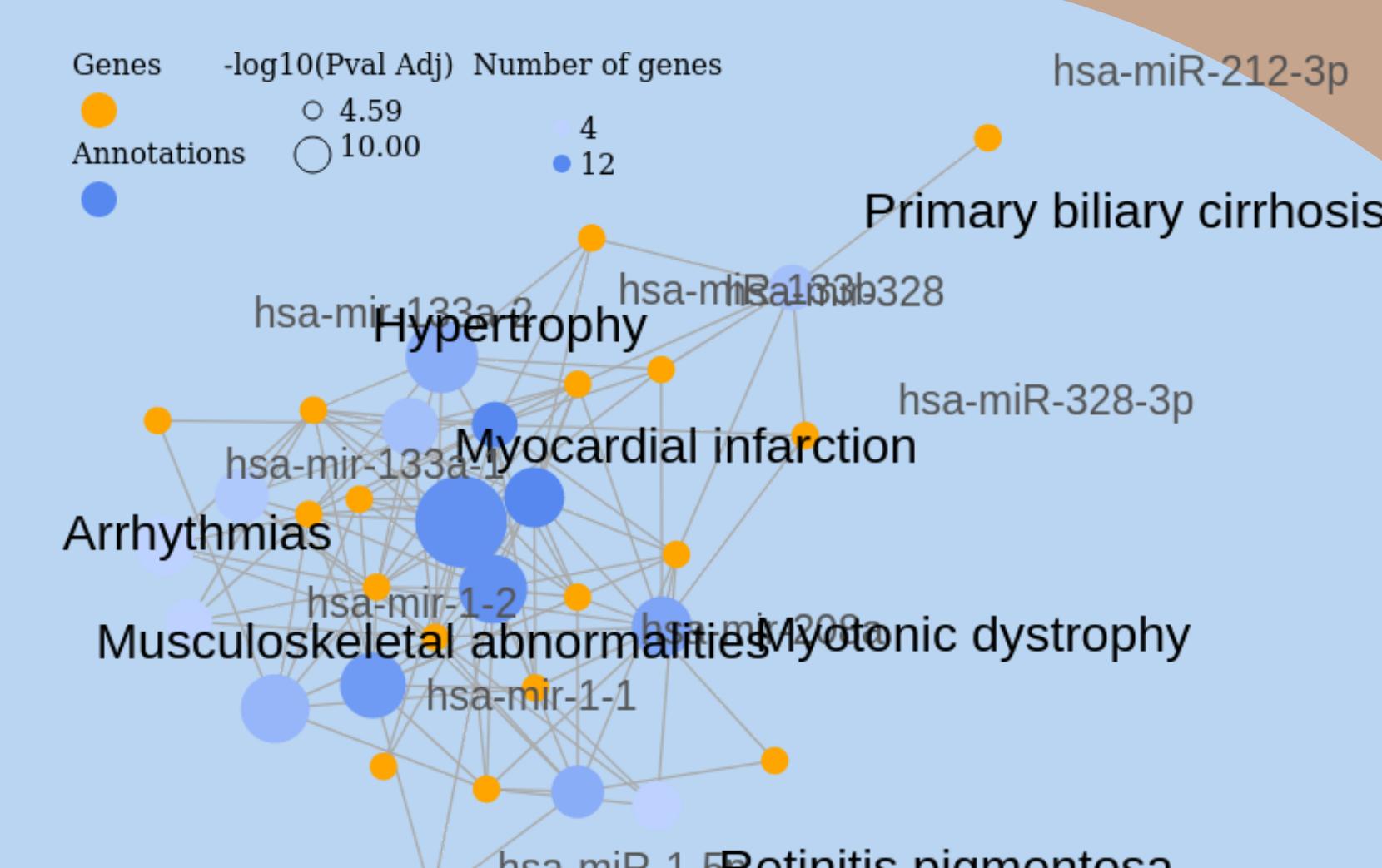
A set of tools to perform meta-analysis, discover subtle methylation regions, unbiased enrichment analyses, and to analyse lupus omics datasets and integrate Covid19 and environmental data.

Adrian Garcia-Moreno 1, Daniel Toro-Domínguez 1, Jordi Martorell-Marugán 1,2, Raúl López-Domínguez 1,3, Juan Antonio Villatoro-García 1,3 Pedro Carmona-Saez 1,3



Focused on **genetic association studies**. Finds robust associations between genotypes and phenotypes: bioinfo.genyo.es/metagenyo

MetaGenyo



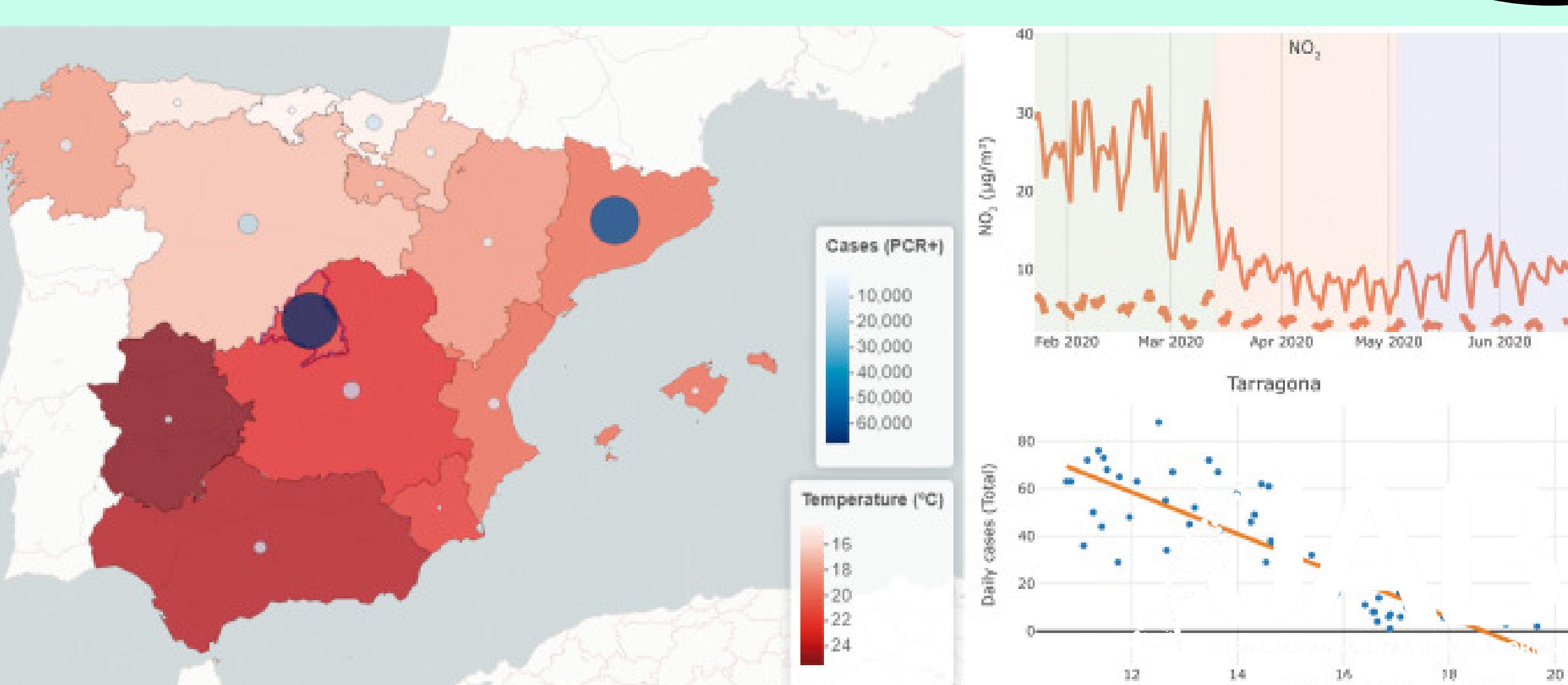
GeneCodis4

API tool of **singular and modular enrichment analysis** of genes, proteins, CpG sites, miRNAs and TFs. **Unbiased approaches for regulatory elements**.

genecodis.genyo.es

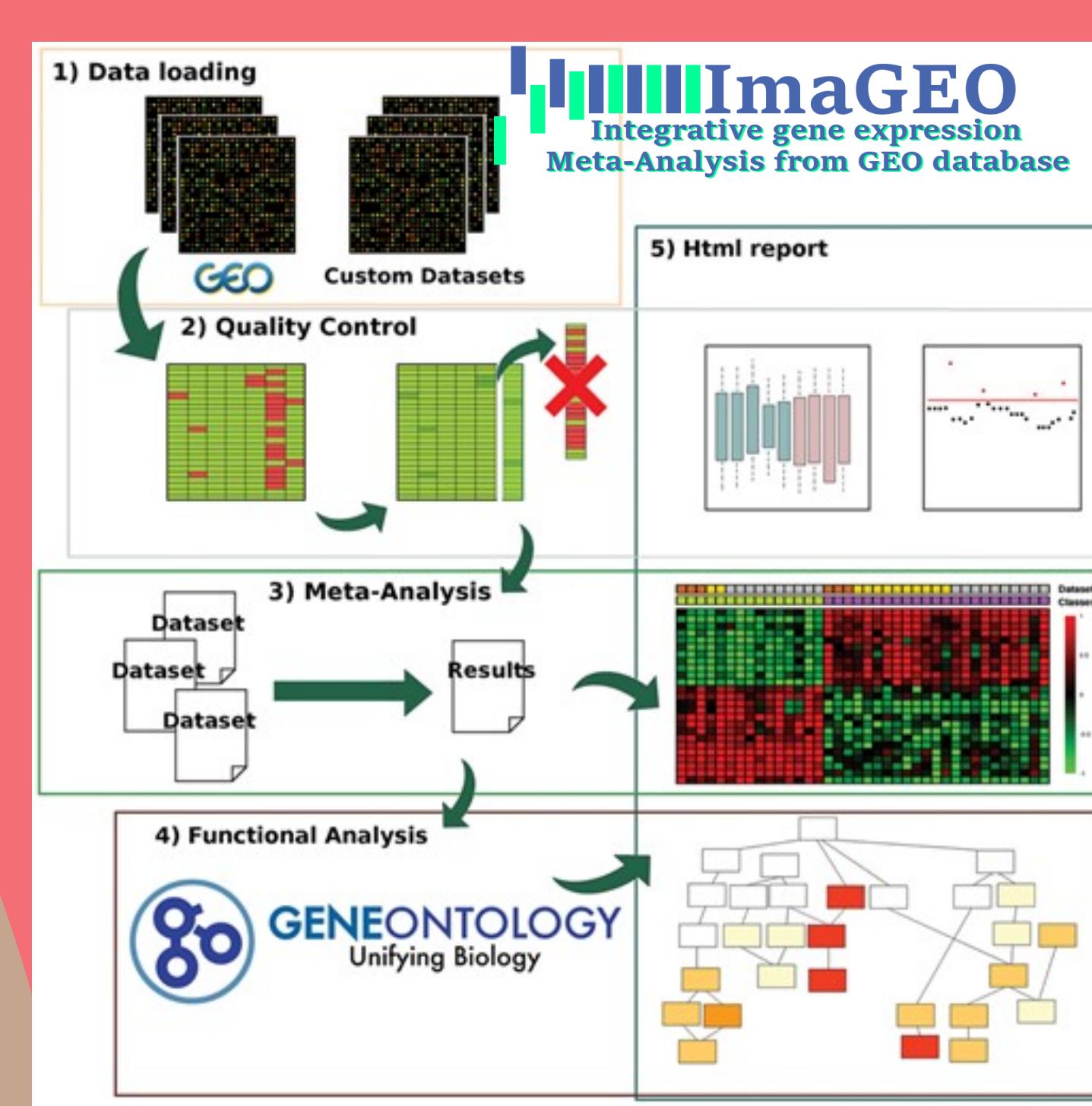


DatAC



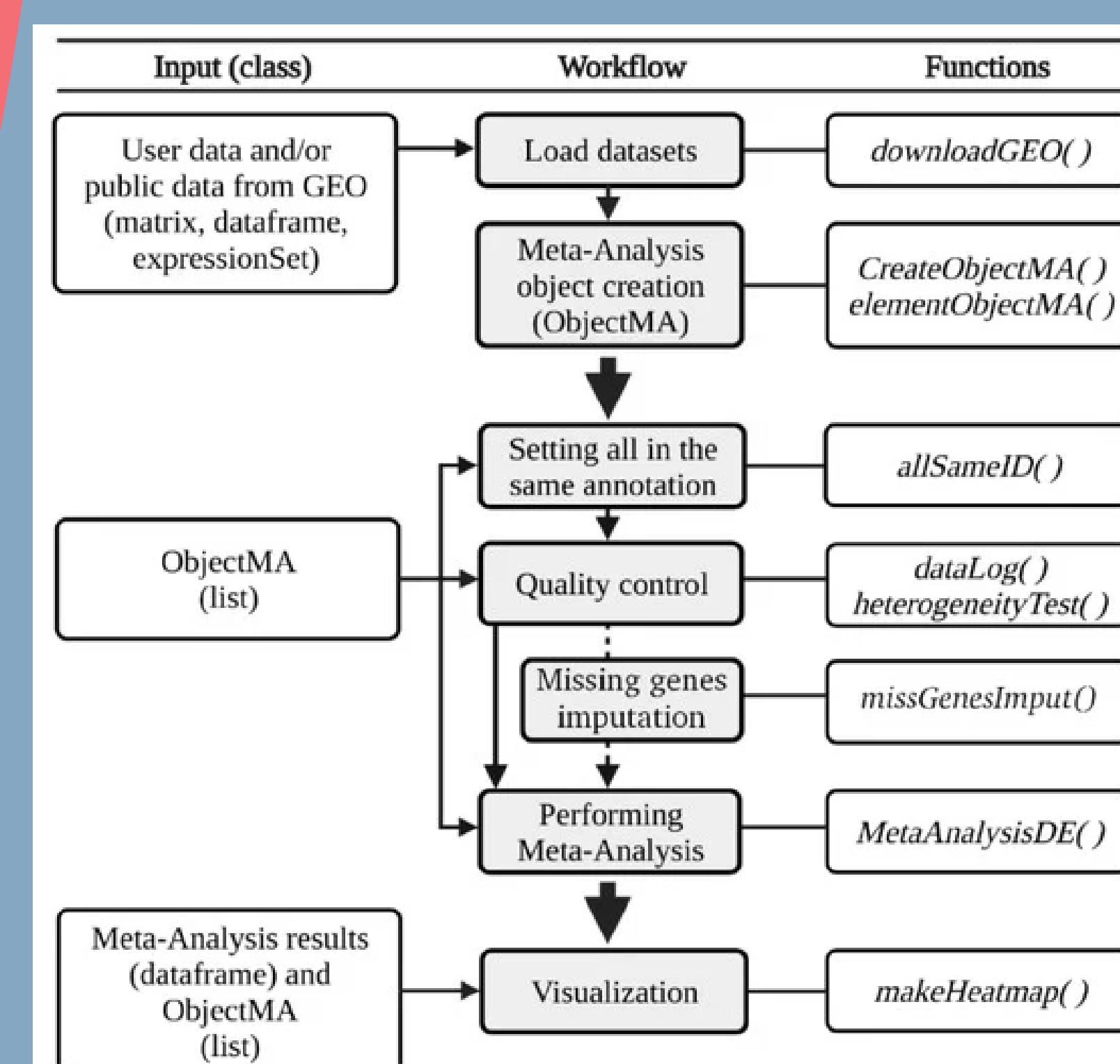
Integrates **meteorological** and **air quality** variables with **COVID-19** data in **Spain**. Powerful statistical capabilities to explore individual trends. covid19.genyo.es

Integrates **GEO expression datasets** to discover and validate potential biomarkers: bioinfo.genyo.es/imegeo



ImeGEO

Meta-analysis



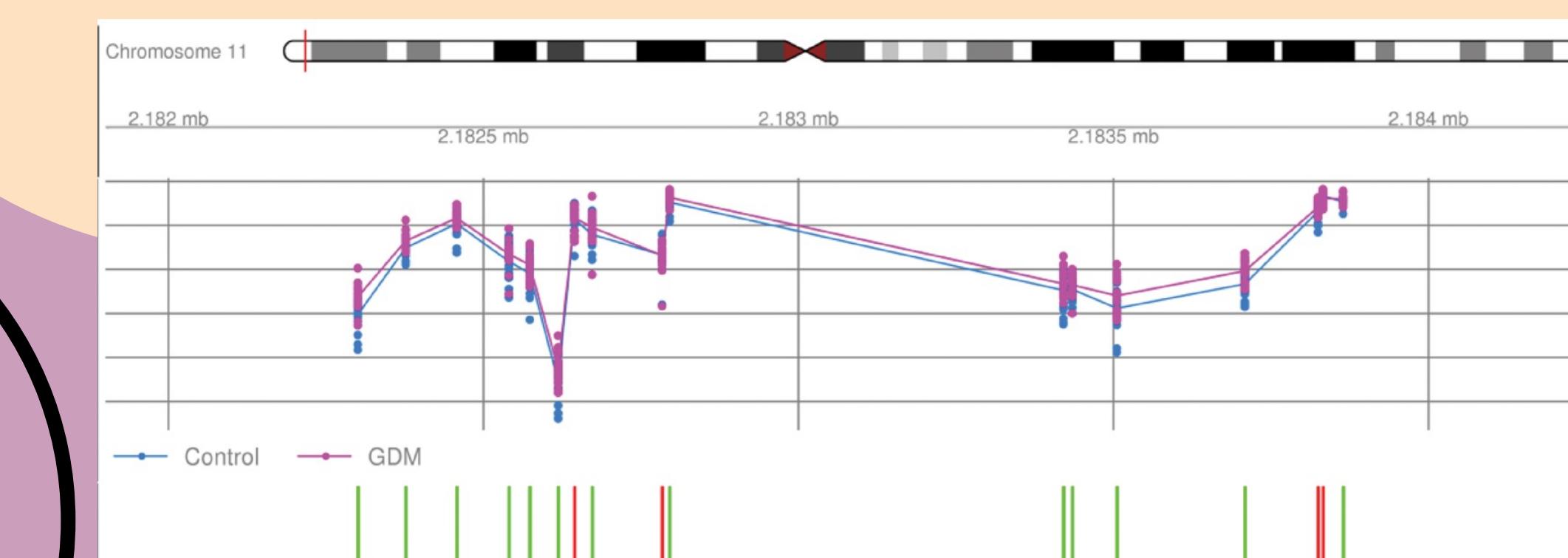
DEXma

R's package for analysing **gene expression** with specific functions to **control** the number of **missing genes**.



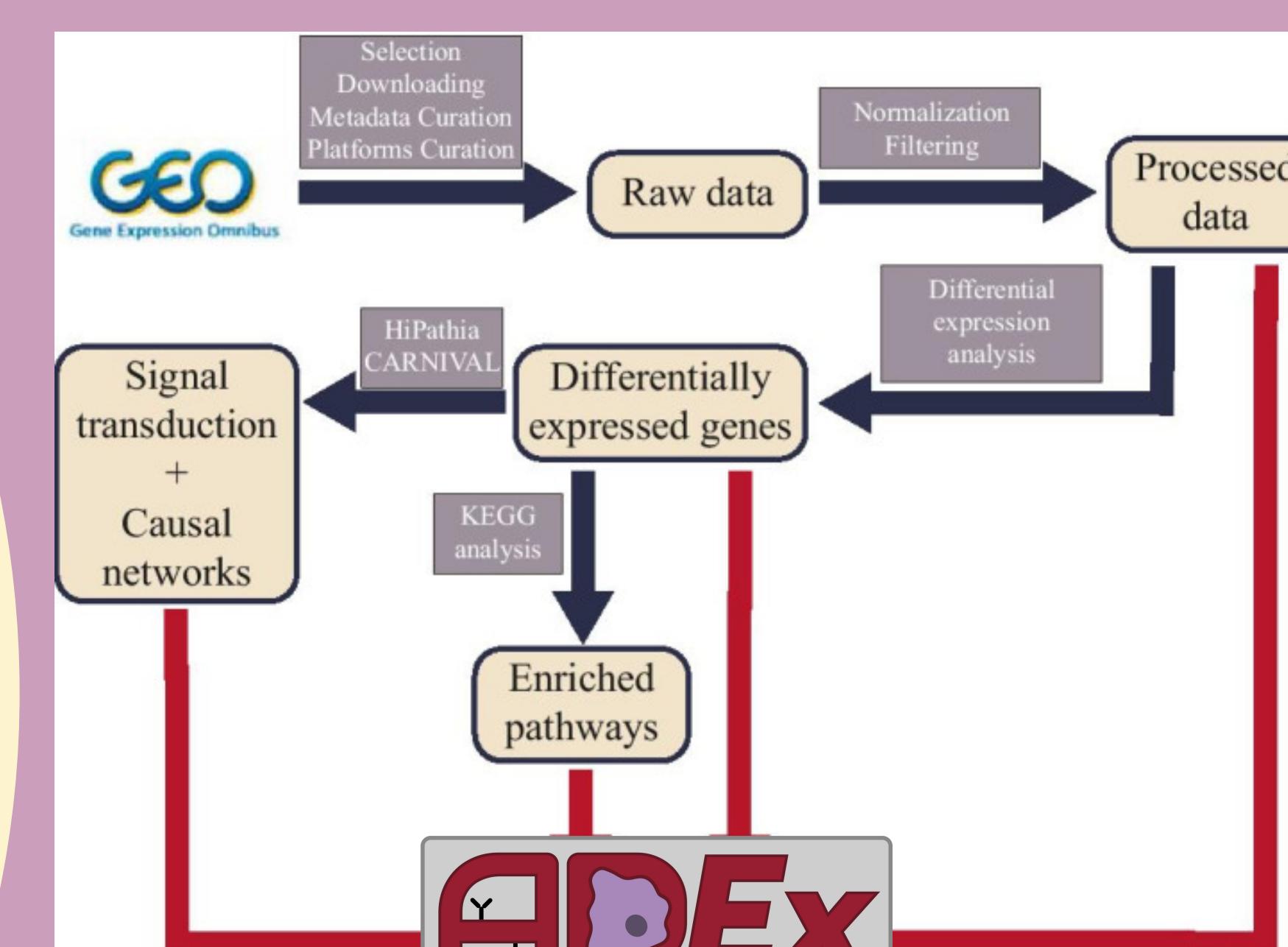
mCSEA

R's package based on Gene Set Enrichment Analysis method to **identify**, **subtle**, **but consistent**, **differentially methylated regions** from Illumina450K and EPIC array data.

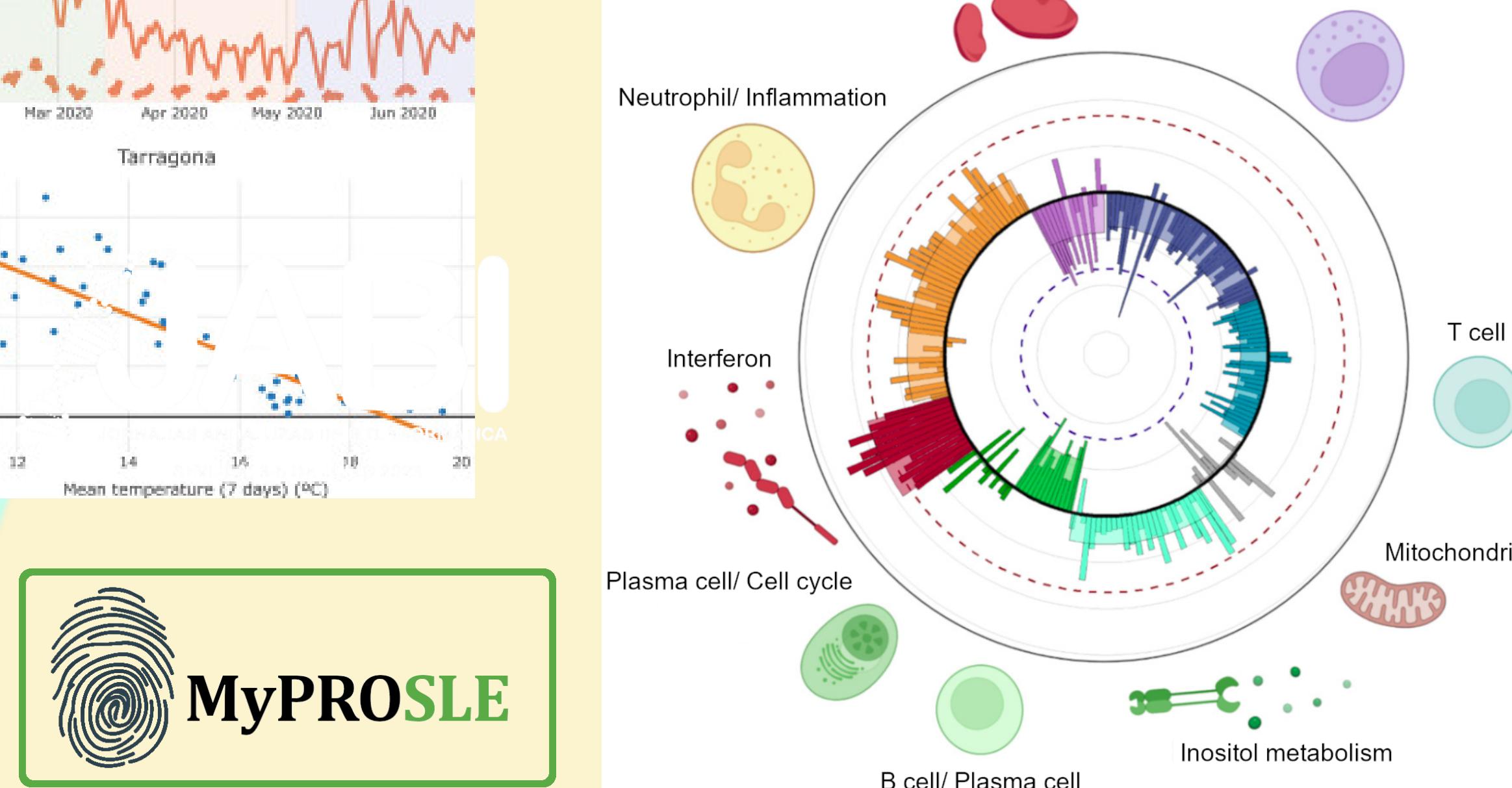


ADEEx

Data portal and analysis platform of curated **transcriptomics** and **methylation** studies for some of the **most common autoimmune diseases**: systemic lupus erythematosus, rheumatoid arthritis, Sjögren's syndrome, systemic sclerosis and type 1 diabetes. adex.genyo.es



MyProSLE



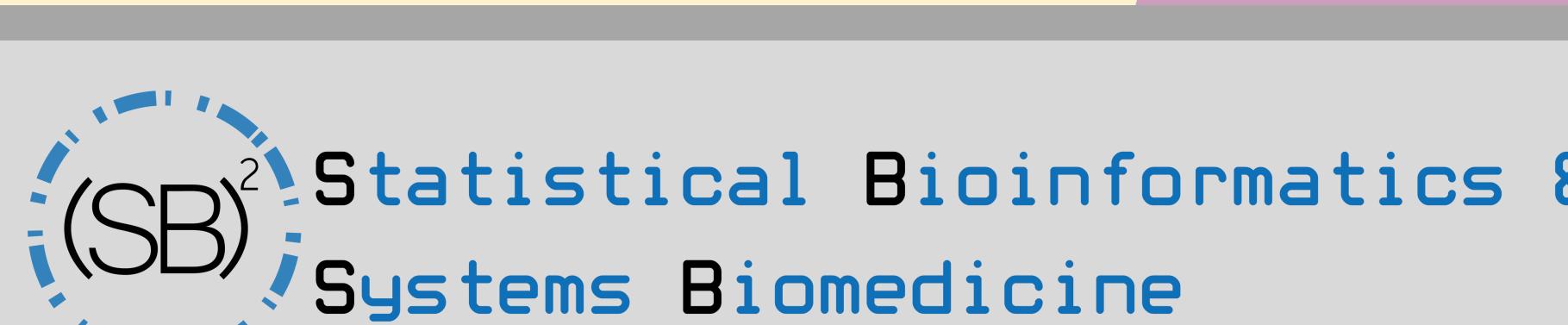
Measures the **molecular portrait of individual Systemic Lupus Erythematosus patients**, in 206 gene-modules, clustered into nine main lupus signatures: myprosle.genyo.es

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