

# The European Genome-phenome Archive in 2021

## SUPPLEMENTARY MATERIALS

**Supplementary Table 1:** Overview of services that the EGA provides for researchers to submit, discover, and access data.

Service	Interfaces	Description
Data submission	Submitter Portal ( <a href="https://ega-archive.org/submission/tools/submitter-portal">https://ega-archive.org/submission/tools/submitter-portal</a> ) Submitter API ( <a href="https://ega-archive.org/submission/programmatic-submissions">https://ega-archive.org/submission/programmatic-submissions</a> ) EGACryptor ( <a href="https://ega-archive.org/submission/tools/egacryptor">https://ega-archive.org/submission/tools/egacryptor</a> ) star2xml ( <a href="https://github.com/EbiEga/ega-metadata-schema/tree/main/Star2xml">https://github.com/EbiEga/ega-metadata-schema/tree/main/Star2xml</a> )	Preparing, encrypting, validating, and uploading data and metadata to EGA
Data discovery	EGA Website ( <a href="https://ega-archive.org/howtosearch">https://ega-archive.org/howtosearch</a> ) Metadata API ( <a href="https://ega-archive.org/metadata/how-to-use-the-api">https://ega-archive.org/metadata/how-to-use-the-api</a> ) File QC Report service ( <a href="https://ega-archive.org/about/quality-control-reports">https://ega-archive.org/about/quality-control-reports</a> ) Beacon ( <a href="https://ega-archive.org/beacon#!/">https://ega-archive.org/beacon#!/</a> )	Searching public EGA metadata by keywords and accessions; Discovering data that contains genomic and phenotypic and clinical information of interest
Data access	EGA Website ( <a href="https://ega-archive.org/access/data-access">https://ega-archive.org/access/data-access</a> ) pyega3 ( <a href="https://github.com/EGA-archive/ega-download-client">https://github.com/EGA-archive/ega-download-client</a> ) FUSE ( <a href="https://github.com/EGA-archive/ega-fuse-client">https://github.com/EGA-archive/ega-fuse-client</a> ) Permissions API ( <a href="https://permissions.ega-archive.org/api/spec#/">https://permissions.ega-archive.org/api/spec#/</a> & <a href="https://ega.ebi.ac.uk:8443/ega-permissions/swagger-ui/index.html#/">https://ega.ebi.ac.uk:8443/ega-permissions/swagger-ui/index.html#/</a> )	Requesting and downloading data and metadata deposited at the EGA; Managing data access permission
User support	Submission support ( <a href="https://ega-archive.org/submission/FAQ">https://ega-archive.org/submission/FAQ</a> ) Access support ( <a href="https://ega-archive.org/access/faq">https://ega-archive.org/access/faq</a> ) EGA Helpdesk ( <a href="mailto:helpdesk@ega-archive.org">helpdesk@ega-archive.org</a> ) EGA Quick Tour ( <a href="https://www.ebi.ac.uk/training/online/courses/ega-quick-tour/">https://www.ebi.ac.uk/training/online/courses/ega-quick-tour/</a> ) Introduction to exploring the EGA ( <a href="https://embl-ebi.cloud.panopto.eu/Panopto/Pages/Viewer.aspx?id=5e17012d-ff9f-482c-846c-ace701330301">https://embl-ebi.cloud.panopto.eu/Panopto/Pages/Viewer.aspx?id=5e17012d-ff9f-482c-846c-ace701330301</a> )	Assisting requesters, submitters, and DAC members navigate and participate in the data cycle (data upload, discovery, access, and download)