Data Sharing Platforms

Open Science Framework (OSF)	
Website:	https://osf.io/
Location:	USA, Canada, Germany, Australia
Disciplines:	general
Data types:	all
Data sovereignty (local)	Yes – possible
Description: OSF is a free and open platform to support research and enable collaboration. OSF matches Open Sciences requirements OSF allows you to ▪ have an outlook on ongoing studies ▪ register studies (share research plan) ▪ store and share data and protocols on Project Spaces (controlled access) ▪ share preprints	
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Open Microscopy Environment (OME) **OMERO**	
Website:	https://www.openmicroscopy.org/omero/
Location:	UK
Disciplines:	general
Data types:	microscopy images
Data sovereignty (local)	Yes - possible
Description: OME produces open tools to support data management for microscopy. All OME formats and software are free, with available source code. Among OME products, OMERO can be used to handle images in a secure central repository, allowing to view, organize, analyze and share data from anywhere with internet access. UNIGE does not yet have an institutional server to store data. Data can be stored on the OMERO platform hosted by the OME team in Dundee (UK).	
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EBRAINS	EBRAINS
Website:	https://www.ebrains.eu/
Location:	Belgium
Disciplines:	neurosciences
Data types:	
Data sovereignty (local)	No - impossible
Description: EBRAINS is a digital research infrastructure, created by the EU-funded Human Brain Project (HBP), that gathers an extensive range of data and tools for brain-related research. Among others, EBRAINS produces 3D maps of the brain to navigate and analyze complex neuroscientific data. EBRAINS allows to find, share and work with medical and clinical brain data in a fully compliant way. In particular, EBRAINS can be used to find and share brain data, computational models and software. ▪ The Medical Informatics Platform (MIP) can be used to share real-life health data ▪ The Human Intracerebral EEG Platform (HIP) is designed for collecting, managing, analyzing, and sharing iEEG data ▪ The HealthDataCloud (HDC) enables neuroscience research consortia across Europe and beyond to collect, process and share sensitive data with GDPR-compliance.	
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Kheops **LAVIM**	
Website:	https://www.unige.ch/medecine/lavim/
Location:	UNIGE
Disciplines:	radiology
Data types:	radiological images
Data sovereignty (local)	
Description: Kheops is an infrastructure to store, share and archive radiology data. The service is under construction and will be available via the *Laboratoire d'acquisition et de visualisation des images médicales* (LAVIM) Core Facility	
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Federated European Genome-phenome Archive (FEGA)	
Website:	https://fega.swiss/
Location:	Switzerland
Disciplines:	non-specific
Data types:	genomic data (genomics, transcriptomics, etc…)
Data sovereignty (local)	No, impossible
Description: FEGA is the primary global resource for discovery and access of sensitive human omics and associated data consented for secondary use, through a network of national human data repositories to accelerate disease research and improve human health. FEGA provides a solution to emerging challenges around secure and efficient management of human omics and associated data. The FEGA Network fosters data reuse, enables reproducibility, and accelerates biomedical research. In Switzerland, FEGA is led by the Swiss Institute of Bioinformatics (SIB). FEGA offers: ▪ secure data submission and data storage, along with standardized descriptions of each dataset (metadata) ▪ data discovery through automated uploading of metadata in the Central EGA node ▪ controlled data access The Swiss node will start to operate at the end of 2025: it seems that it will be possible to use it from October (update Tim Frayling).	
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Shanoir	
Website:	https://shanoir.irisa.fr/shanoir-ng/welcome
Location:	France
Disciplines:	Non-specific
Data types:	medical imaging data (MR, CT, PT, EEG, Bruker)
Data sovereignty (local)	One of the 4 instances is hosted at CIBM
Description: Shanoir is a web platform (open source) for clinical and preclinical research, designed to import, share, archive, search and visualize all kinds of medical imaging data (MR, CT, PT, EEG, Bruker). Its origin goes back to neuroimaging, but its usage is now open for all kinds of organs. It provides user-friendly, secure web access and offers an intuitive workflow to facilitate the collecting and retrieving of imaging data from multiple sources and a wizard to make the completion of metadata easy. Shanoir offers an ontology-based data organization.	
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BioMedIT	
Website:	https://www.biomedit.ch/
Location:	Switzerland
Disciplines:	Non-specific
Data types:	Sensitive data
Data sovereignty (local)	No, impossible
Description: BioMedIT is built for handling sensitive data. Relying on existing expertise and research infrastructure at the partnering institutions, the BioMedIT Network provides comprehensive state-of-the-art data and computing services to researchers of Swiss universities, hospitals and other research institutions. The overarching goal of BioMedIT is to provide researchers with a fully-managed infrastructure platform for sensitive research data.	
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NCBI BioProject **DDBJ BioProject**	
Website:	https://www.ncbi.nlm.nih.gov/bioproject https://www.ddbj.nig.ac.jp/bioproject/index-e.html
Location:	USA (NCBI BioProject) Japan (DDBJ BioProject)
Disciplines:	Non-specific
Data types:	Omics
Data sovereignty (local)	No - impossible
Description: BioProject is not exactly a platform to share data in a collaborative environment, but rather a collection of biological data related to a single initiative, originating from a single organization or from a consortium. In a collaborative project, a BioProject can be used to gather data collected by project members. A BioProject record provides users a single place to find links to the diverse data types generated for that project. The BioProject database is a searchable collection of complete and incomplete (in-progress) large-scale sequencing, assembly, annotation, and mapping projects for cellular organisms. The BioProject database provides an organizational framework to access information about research projects with links to data that have been or will be deposited into archival databases maintained at members of the International Nucleotide Sequence Database Consortium (INSDC), which comprises DDBJ, ENA and GenBank. NCBI BioProject and DDBJ BioProject are essentially the same database service but managed by different members of the INSDC.	
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BioStudies	
Website:	https://www.ebi.ac.uk/biostudies/
Location:	CH, EU, UK
Disciplines:	Non-specific
Data types:	all
Data sovereignty (local)	
Description: The BioStudies database holds descriptions of biological studies, links to data from these studies in other databases at EMBL-EBI or outside, as well as data that do not fit in the structured archives at EMBL-EBI. The database can accept a wide range of types of studies described via a simple format. It also enables manuscript authors to submit supplementary information and link to it from the publication.	
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Yareta	
Website:	https://yareta.unige.ch https://www.unige.ch/eresearch/en/services/yareta/getting-started
Location:	Geneva, Switzerland (UNIGE)
Disciplines:	Non-specific
Data types:	all
Data sovereignty (local)	Yes - implemented
Description: Yareta supports Open Data and offers ways to explore data and associated metadata from archives. Public data archives can be downloaded by anyone as a guest, or you can create your free, secure user account to request access to non-public archives. If you want to upload research data to Yareta, you need an Organizational Unit. This series of guides will take you through the basics of connecting an existing SWITCH ID to Yareta, requesting the creation of a new Organizational Unit, adding your team members, and beginning to manage your data on Yareta.	
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hedera	
Website:	https://hedera.unige.ch/ https://www.unige.ch/eresearch/en/services/hedera
Location:	Geneva, Switzerland (UNIGE)
Disciplines:	Non-specific
Data types:	RDF
Data sovereignty (local)	Yes - implemented
Description: ***hedera*** is a digital infrastructure designed to host and maintain active research data through digital humanities standards: RDF for metadata, and IIIF for sharing visual assets. Both formats operate by accessing assets through URIs, which facilitate the interoperability of visual assets with their metadata, as well as the sharing and interlinking of different datasets.	
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