Supports for imaging projects toward Open Science at AuBi platform
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With the recent advances toward Open Science, data flows, tools and workflow analysis need to be orchestrated in order to help scientists to navigate easily through their datasets and adopt best practices around data project and the FAIR principles. For that, a web portal centered on OpenLink application is under test started since early 2022 at the AuBi platform with a special focus on imaging projects. More than 10 laboratories are associated to the AuBi platform and involved in plants, animals and micro-organisms research programs with, for example, NGS & TGS, Imaging, Molecular Dynamics and Intelligence Artificial axis.

**Supports for imaging projects toward Open Science at AuBi platform**

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**FAIRisation**

- Assistance to elaborate workflows (Galaxy, Snakemake, Jupyter Notebook …)
- Open-source tools development to improve imaging OMERO workflows (plugins, FIJI, NucleusJ …)
- Aggregating datasets (ISA model)
- Proposing guidelines in ontologies with standardized vocabulary (EDAM, OME, …)

**Link to publication referencing systems**

- MaDPM4LS ***
- MuDiS4LS – IS1
- actions in line with the IFB roadmap 2022-25

An unique entry point to DMP

- donnees-recherche.bu@uca.fr
- Support to DMP forms

Support to DMP forms

- GO-TO-DO (Research Data Gouv, Data project)

![Diagram of OpenLink and FAIRisation features](image)

Vault is also an authentication backend to log user to Openlink. This allows e.g. LDAP or OIDC use with a single configuration.

Openlink is organized by project using the ISA model (Investigation, Study, Assay). All data can be edited with API linked to tools in Openlink.