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Orchestrating data flows throughout their whole life cycle

Key stages and partners for success

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Scientific project conception and planning

Metadata : Data :

Success criteria: planning through a Data Mgmt Plan

Partner for success: data stewards

Tools:

Sample collection and preparation

Metadata : Data :

Success criteria: adoption of standards

Partners in success: platforms

Tools:

Primary data production

Metadata : Data :

Success criteria: description of the production context, enrichment of metadata

Partners in success: platforms, research teams

Tools: companion files, Excel spreadsheets

Data integration and analysis

Metadata : Data :

Success criteria: long-term storage, collaborative access to data, identification of analysis tools, adoption of standards (data format).

Partners in success: experts in scientific computing, experts in data analysis

Tools:

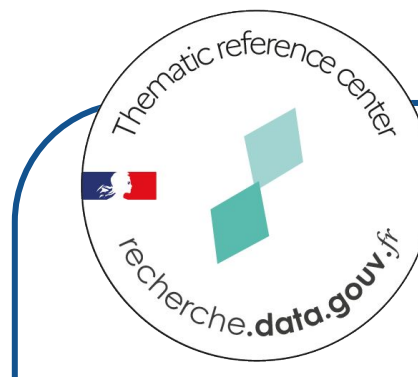
Curation, Preservation, Publication, indexation

Metadata : Data :

Success criteria: identification of relevant and sustainable warehouses

Partners in success: data workshops

Tools:



A successful data life cycle on the road to FAIR

To manage your research project successfully, you need to optimise every stage.

IFB, as a national Thematic Reference Center for Biology and Health, identified key stages you should pay attention to, spanning from the original idea to sharing data in a repository. Additionally, we highlighted partners and tools that shall assist you in filling the Data and Metadata progress bars :

Metadata : Data :

FAIR

IFB ecosystem
INSTITUT FRANÇAIS DE BIOINFORMATIQUE
 supported by **MUDIS4LS**
Mutualized Digital Space for FAIR Data in Life and Health Science

National Network of Computing Resources

Clouds and clusters for all bioinformatics needs

Coming out in Autumn 2024

MADBOT

A web application to help research teams **track** their **data** and **metadata**, and **publish** to numerous repositories

FAIR checker

Assess the **FAIRness** of your data and advance in the **FAIRification** journey