

# RDMkit

**\*\* Please note that this is the information available as of July 2023 and that the RDMkit is regularly updated so you may find additional content on the website that is not mentioned here. \*\***

The RDMkit is a research data management toolkit for life sciences which hosts a collection of best practices and guidelines to make your data FAIR (Findable, Accessible, Interoperable and Reproducible).

The level of information within RDMkit can be overwhelming for a life scientist starting out on their data management journey. Therefore, upon entering the website, we recommend that you start off by looking at resources related to “Your Domain” and become familiar with the best practices for your specific research area:



## Your domain

Learn about data management tasks that affect your domain or research community, and the solutions adopted to address them.

There are currently guidelines and policies for 12 different domains in RDMKit. These include:

- [Bioimaging data](#)
- [Biomolecular simulation data](#)
- [Epitranscriptome data](#)
- [Human data](#)
- [Intrinsically disordered proteins](#)
- [Marine metagenomics](#)
- [Microbial biotechnology](#)
- [Plant sciences](#)
- [Proteomics](#)
- [Rare disease data](#)
- [Structural bioinformatics](#)
- [Toxicology data](#)



The levels of information differ between the domains but they offer good guidance on how to manage specific types of data to ensure that the data remains FAIR.

For guidance on particular elements of your DMP you can next look at the “Your Tasks” section:



## Your tasks

Find guidelines and solutions for tackling common data management tasks.

This contains best practice guides and recommendations of tools to aid you with completion of common data management tasks:

- [Compliance monitoring](#)
- [Costs of data management](#)
- [Data analysis](#)
- [Data brokering](#)
- [Data management coordination](#)
- [Data management plan](#)
- [Data organisation](#)
- [Data protection](#)
- [Data provenance](#)
- [Data publication](#)
- [Data quality](#)
- [Data storage](#)
- [Data transfer](#)
- [Documentation and metadata](#)
- [Existing data](#)
- [Identifiers](#)
- [Licensing](#)
- [Machine actionability](#)
- [Data sensitivity](#)

The search box within the RMDKit is very helpful if you are looking for particular information. When you search for a particular item, the results are displayed so that you can see which section of the RDMkit contains the search term and you can pick the result most relevant to you, see example below using “archive” as the search term:

About    Contribute    GitHub    archive

infrastructure

Learning path

Plant Genomics  
For what purpose can you use the plant genomics tool assembly?

Human data  
Preserving human data

United Kingdom  
Domain-specific data infrastructures

Sweden  
Domain-specific infrastructures and resources

Marine metagenomics  
Managing marine metagenomic metadata

standards.

... to the European Nucleotide **Archive** (ENA) or of genotyping ...  
... to the European Variation **Archive** (EVA)

The European Genome-phenome **Archive** (EGA) is an international service for secure **archiving** and sharing of all ...

... research resource UK Data **Archive** collection of social, economic ...

... the Swedish Sensitive Data **Archive**, a secure data **archive** and sharing platform for ...

... classification of MAGs, and **archiving** of raw or processed ...

The RDMkit offers additional information such as:

- [Country specific information](#)
- [Tips on combining multiple tools to manage data management tasks](#)
- [Data management responsibilities based on your job title](#)
- [Tools and resources for data management](#)
- [Training material](#)