Research Data Management

eli**x**ir **BELGIUM**

Research Data Management

RDM Guide

An information resource with best practices and national guidelines on research data management for scientists in Belgian life sciences

RDM Guide is an information resource on research data management for life sciences, developed and curated by ELIXIR Belgium since 2020. RDM Guide is tailored to Belgian researchers and describes national data management guidelines, resources, tools and services. While complementing the RDMkit and providing national life sciences research with extra information, the RDM Guide is also a go to resource for international research efforts to discover data management solutions developed in Belgium.

RDMkit

An online guide compiling general best practices, tools and resources for research data management in life sciences

The ELIXIR Research Data Management Kit (RDMkit) is an online guide containing best practices in data management applicable to research projects from the beginning to the end. RDMkit is developed and managed by people who work every day with life science data and supports FAIR data (Findable, Accessible, Interoperable and Reusable) from the first steps of data management planning to the final steps of depositing data in public archives. Its contents are the product of a collaborative effort among several scientific communities and data management experts in ELIXIR ensuring relevant guidelines, information, and pointers to help researchers at any point of a project.
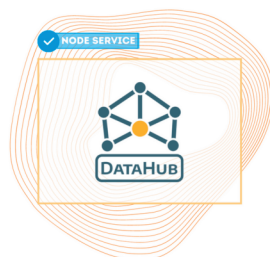
Workflow Hub

A registry for describing, sharing and publishing scientific computational workflows

WorkflowHub is a registry for describing, sharing and publishing scientific computational workflows. It aims to facilitate discovery and re-use of workflows in an accessible and interoperable way. This is achieved through extensive use of open standards and tools, including Common Workflow Language (CWL), RO-Crate, BioSchemas and Tool Registry Service (TRS). This FAIR workflow registry is sponsored by the European RI Cluster EOSC-Life and the European Research Infrastructure ELIXIR.

DataHub

A research data management tool to enable researchers to produce FAIR data by design

DataHub is a Belgian deployment of FAIRDOM-SEEK, an open source software for managing research (meta)data and generating FAIR data by design. The platform emphasises the ease of collection and management of standardised metadata of source materials, their derived samples and applied techniques. The metadata collection approach was piloted for the European Nucleotide Archive (ENA), and will be extended to other deposition databases in the future.

The ELIXIR Belgium team strongly collaborates with ELIXIR UK, ELIXIR Germany, ELIXIR Norway, and other ELIXIR-CONVERGE project partners. DataHub is currently under development and available in test mode.

ELIXIR Belgium is the national node of ELIXIR, the intergovernmental organization that brings together life science resources from across Europe, supporting life science research and its translation to medicine, environment, the bio-industries, and society. The research infrastructure provides platforms and guidance for research data management and reproducible data analysis, and offers domain specific services for Plant and Biodiversity, Human health and COVID-19 research. ELIXIR Belgium also provides data related training and workshops.

Funders

Partners