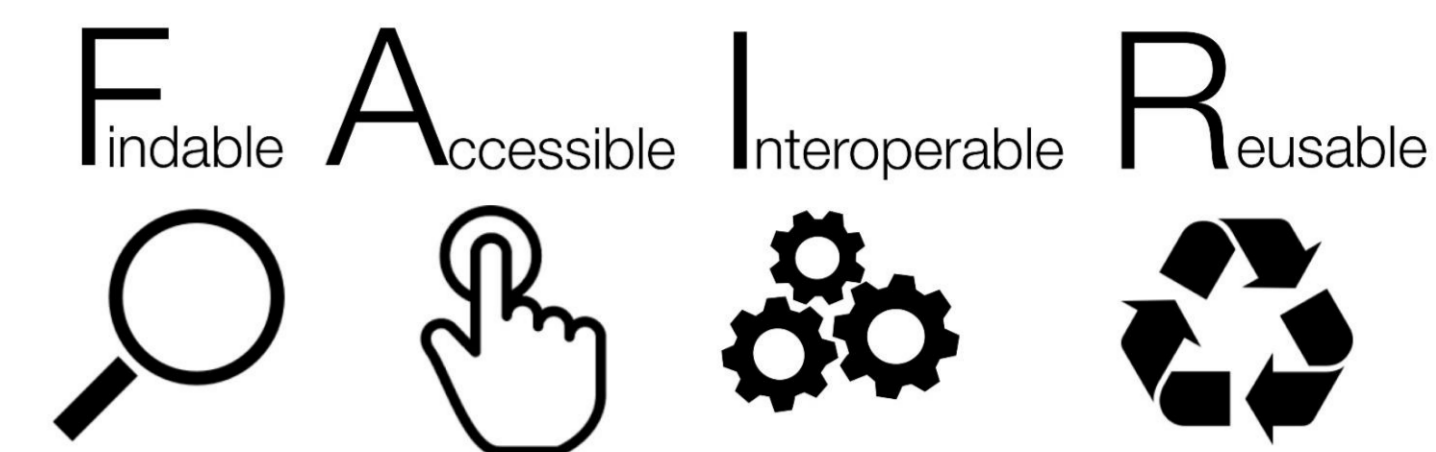


FAIR Data Training and Community Building activities in the Netherlands

Mateusz Kuzak, Christine Staiger and Celia W. G. van Gelder (DTL/ELIXIR-NL)



Interoperability, FAIR data stewardship and training researchers and data experts are themes that are core to the remit of DTL and ELIXIR Netherlands. In line with these focal points, a significant part of our DTL Learning/ELIXIR-NL training activities can be categorized as “FAIR Data Training & Community Building”.

They are set up with and by the DTL and ELIXIR-NL Community in the Netherlands, and in close collaboration with the DTL Data and DTL Technologies programmes. A number of highlights are shown here, more information can be found at <https://www.dtls.nl/fair-data/fair-data-training/>.

Training in Data Analysis & Stewardship



- <https://www.helisacademy.com/en>
- A three year project targeting the Life Science & Health sector
- Aim: Improve skills for both new staff and existing staff (lifelong learning) on identified gaps, by developing tailored training
- Helis themes identified:
Good manufacturing practices (GMP), Clinical testing, Business development, Product & process design, **Data Analysis & Stewardship**
- Contact: celia.van.gelder@dtls.nl



Helis Academy

Helis Academy Data Analysis and Data Stewardship Learning Blocks

Omics Data Analysis Transcriptomics data analysis Multi omics integration	FAIR Data Stewardship Data management planning Research life cycle
Statistics Statistical thinking Experimental design	Machine Learning Visual analytics for genomics Data mining

Defining the Data Steward profession & Curriculum Building



- <https://zenodo.org/communities/nl-ds-pd-ls/>
- Aim: professionalise the data steward function within the life-sciences domain, with a special focus on implementation of the FAIR principles and endorsed by all stakeholders in NL
- First deliverable: **Life Science Data Steward Function Matrix v1.1**, for 2 levels of Data Stewards and 9 knowledge areas: <https://zenodo.org/record/2561723>
- Upcoming: defining competences and building training
- Contact: celia.van.gelder@dtls.nl

Data steward Level A - Institutional, coordinating, policy			
Responsibilities	Activities / tasks	Mappings (see below for reference)	
		FAIR data	FAIR data
1) Policy / strategy	Responsible for advice on and development, implementation and monitoring of a research data management (RDM) policy and strategy for the research institute, which includes the complete research data life cycle, and supports FAIR data and Open Science, in alignment with the relevant stakeholders and within financial and legal constraints, within the institute and in the context of the institute. The policy is the basis for (project) data management plans (DMP).	Develops, implements and monitors the institute's RDM policy. Advises the institute's management on short- and long-term actions to advance RDM in the institute. Assesses and monitors institute's time and financial investments in relation to the institute's needs for RDM. Explores new needs, opportunities and trends in RDM.	
2) Compliance	Responsible for compliance of the RDM policy to the Netherlands Code of Conduct for Academic Practice and the General Data Protection Regulation (GDPR), as well as continuous alignment with legal and ethical standards.	Ensures compatibility of the RDM policy and monitors compliance. Contacts the institute's privacy officer, legal advisors or ethical board in case of questions regarding compliance. Translates policies from legal/privacy officer to the institute's practice. Develops and/or guides standard solutions for recurring data issues and for data classification, including input for the DPA.	
3) Alignment with FAIR data principles	Responsible for compliance to FAIR data.	Ensures compatibility of the RDM policy and monitors compliance to the FAIR principles. Persuades and advises on the findability (F) of data, including adequate infrastructures, persistent identifiers and rich (institute-specific) metadata standards.	



Radboudumc

Radboud University



Community Building – The Data Stewards Interest Group

- <https://www.dtls.nl/community/interest-groups/data-stewards-interest-group/>
- A community hub for Data Stewardship that enables informal and inclusive knowledge and experience exchange.
- Ca. 90 members (NL, BE, LU, UK, SE, FR, DE)
- Mission:
- Providing a platform for Data Stewards and like-minded in the Netherlands (and abroad) to share the experience
- Fostering the national implementation of Data Stewardship
- Joining efforts to produce hands-on solutions
- Contact: Jasmin Böhmer (chair), j.k.bohmer@umcutrecht.nl

The ELIXIR Data Stewardship Wizard



- <https://ds-wizard.org/>
- The Data Stewardship Wizard (DSW) is a web-based application for preparing smart Data Management Plans. It connects to additional learning resources and helps raise awareness about DS challenges. It can be customised by Data Stewards or Funders to meet more specific needs.
- Contact: rob.hooft@dtls.nl



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