

# Dutch roadmap towards national implementation of FAIR data stewardship

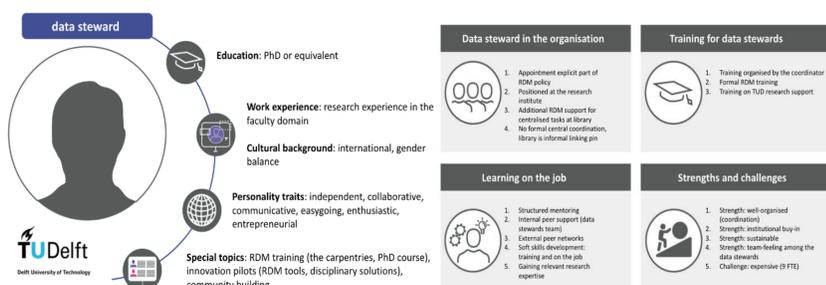
Celia W.G. van Gelder and Mijke Jetten (Dutch Techcentre for Life Sciences - DTL), on behalf of the NPOS F project team

## Abstract

In the context of the Dutch National Programme Open Science (NPOS), we have executed a project related to professionalising data stewardship, aiming to provide arguments and recommendations to ensure adequate data steward capacity in the Netherlands. It was a collaborative effort of over 30 representatives of universities, university medical centres, universities of applied sciences, service providers, and representatives of the major Dutch umbrella organisations. In February 2021 the end report of the project was published: *Professionalising data stewardship in the Netherlands. Competences, training and education. Dutch roadmap towards national implementation of FAIR data stewardship* (<https://doi.org/10.5281/zenodo.4320504>), which contains the outcomes, recommendations for all the stakeholders and next steps in the implementation trajectory, focusing on competences, training and education for data stewards.

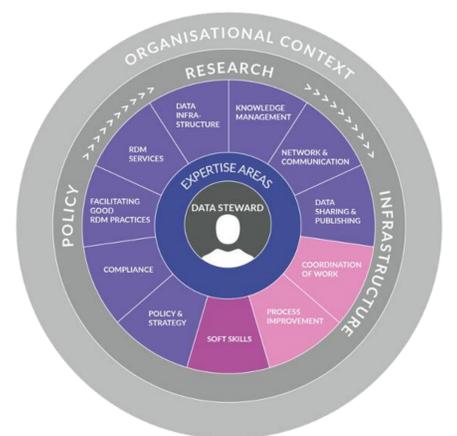
## Landscape analysis on training and education

8 case studies (universities, UASs & UMCs) as a first fact check on data stewardship training and education in the Netherlands



## Basic data steward job profile components

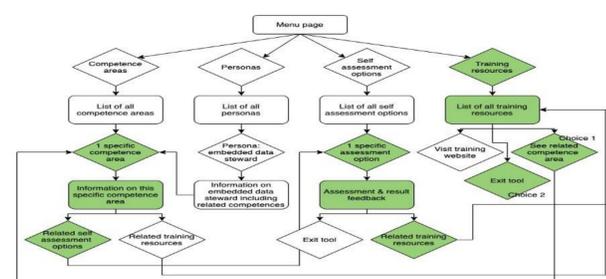
- Domain areas, responsibilities, tasks, and competences of a data steward
- Building on our data stewardship competency framework
- The report has various annexes with detailed information



## Training, education and certification

- Inventory of training resources and pilot annotation of courses based on competences
- Inventory of existing certification mechanisms, for different categories: courses, trainees, trainers, and organisations
- Certification for data stewardship is still in its early days and needs to be done in alignment with similar activities in Europe and beyond

## Design for a data stewards skills tool



Example learner journey of a research data steward looking for Training Resources

## Implementing Data Stewardship - Summary of recommendations

- Analyse local data stewardship **case studies** to clarify the needs of your organisation
- Formalise the **data steward profile** and stimulate local organisations to adopt these
- These profiles should reflect the required competences and be sensitive to diversity in background, expertise, roles, types and organisations.; this should result in **secured positions and career tracks**
- Collaborate locally and nationally in **organising training and develop a certified curriculum** to meet the required expertise level and capacity
- Standardise **metadata for training and education** and create curated training resources
- Create a data steward skills tool** as a single point of reference for data steward competences, training and education

These recommendations are currently taken forward in the Dutch National Open Science 2021-2030 FAIR Data Programme.

Implementation results in the Netherlands until now:

- The data stewardship competency work is being used in various Dutch training efforts (e.g. Helix Academy (DTL), and RD-NL E4DS training)
- The basic job components have been transformed into a formal UFO (university) data steward profile, which is expected to be formalised in August 2021. Similar discussions are ongoing with the FUWAVAZ (UMCs) working group