



23 Things for Policy Makers

An overview of policy papers, recommendations and communities for university leaders and others responsible for their institutional research data management policy and services.

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... to help policy makers engage in research data management!

Setting the Scene

Policy makers learn why proper research data management is important.

1. Data is a cornerstone of European policy; a key entry point is in the Elements of the European data economy strategy 2018 by the European Commission, edu.nl/nwxdt
2. Read recommendations for university leaders on open access of research data from the European University Association, the Sorbonne declaration on Research Data rights, or get a chronological overview of statements by Research Data Netherlands, edu.nl/qmhjb & edu.nl/muna8 & edu.nl/ybt7d
3. Stay in control over your researchers' data and data infrastructure by following the SPARC Roadmap for Action inspired by the SPARC Landscape Analysis: The Changing Academic Publishing Industry, edu.nl/886kg & edu.nl/xgfc9
4. The VSNU Code of Conduct for Research Integrity imposes a 'duty of care' regarding data management on institutions; the LERU report on integrity also calls on universities to enable responsible research data management, edu.nl/bxmrg & edu.nl/fmft7

RDM Policy

Policy makers define and delegate responsibilities for research data management at different levels via their institutional RDM policy.



5. Read the Core Elements of a Research Data Management Policy from the European LEARN (Leaders Activating Research Networks) project,
[edu.nl/grfwm](https://www.edu.nl/grfwm)
6. Read about European funders experiences with policies or get an overview of policies in place at Dutch institutions by checking LCRDMs RDM Put into Practice,
[edu.nl/yvbwv](https://www.edu.nl/yvbwv) & [edu.nl/43pqf](https://www.edu.nl/43pqf)

FAIR & Reproducible Science

FAIR is an important driver for reproducible science. The acronym stands for findable, accessible, interoperable and reusable for humans and machines and applies both to data and software.

7. Read the concrete recommendations in the report Turning FAIR into reality from the European Commission expert group and the Public Service Information Directive on FAIR open data,
[edu.nl/bppdg](https://www.edu.nl/bppdg) & [edu.nl/c4tmf](https://www.edu.nl/c4tmf)
8. Dive into the explanation of the FAIR principles and the five recommendations for FAIR software; also understand that FAIR is not the same as Open,
[edu.nl/hxaw4](https://www.edu.nl/hxaw4) & [edu.nl/4denj](https://www.edu.nl/4denj) & [edu.nl/wvxtx](https://www.edu.nl/wvxtx)
9. Disciplines implement FAIR at a different pace as demonstrate the Top ten FAIR Data & Software Things,
[edu.nl/prur7](https://www.edu.nl/prur7)
10. Make your research data policy itself FAIR by adopting recommendations from FAIRsharing and the FAIR policy Landscape Analysis of the FAIRsFAIR project,
[edu.nl/xdubh](https://www.edu.nl/xdubh) & [edu.nl/3awrj](https://www.edu.nl/3awrj)

Data Management Plans

Data management plans are mandatory for most funders and can help to get a grip on the data production and infrastructural needs within an organisation.

11. Science Europe has issued core requirements for data management plans and trustworthy repositories,
[edu.nl/8xmqa](https://www.edu.nl/8xmqa)
12. Institutions and funders use tools to support the process of writing and reviewing data management plans; machine-actionable data management plans can be a great resource for all stakeholders,
[edu.nl/93kaw](https://www.edu.nl/93kaw) & [edu.nl/quwvx](https://www.edu.nl/quwvx) & [edu.nl/wd6c7](https://www.edu.nl/wd6c7)

Infrastructure & Services

Get to know the different implications in the building and use of systems that support RDM services.



13. The European Open Science cloud will be Europe's virtual environment for all researchers to store, manage, analyse and re-use data,
edu.nl/g4gw3 & edu.nl/ftgdy
14. Learn how to set up or develop your RDM services along the research life cycle, and evaluate your RDM policy, services and infrastructure with the SPARC tool (based on the RISE framework),
edu.nl/erkn3 & edu.nl/mtubp & edu.nl/xex83
15. Spend 5% of total research expenditure on properly managing and 'stewarding' data says the igh Level Expert Group on the European Open Science Cloud; read the statement by Barend Mons or read the work done by the Knowledge Exchange on the Economy of Open Scholarship,
edu.nl/bguvh & edu.nl/a6gjm & edu.nl/rrwta

Responsible Data Culture

New ways of assessing research and new career paths are driving culture change.

16. Sign and implement the Declaration on Research Assessment (DORA) to start evaluating the outputs of scholarly research in new ways,
edu.nl/ajdu3
17. Read about current and future approaches to make research data management count in research assessment in European/Dutch research institutions, such as the new SEP (Strategy Evaluation Protocol) 2021-2027,
edu.nl/tfqwj & edu.nl/jj78m & edu.nl/8bubf
18. Career paths need to be developed for data stewards, data software engineers, data scientists etc.,
edu.nl/j3frd & edu.nl/pnqdd

Steering the Transition

Policy makers can steer the transition towards Open and Inclusive Science by enabling FAIR data.

19. Leadership is the key to Open Science success according to the LERU statement and its roadmap for cultural change in universities,
edu.nl/3jarr & edu.nl/akpqq
20. How to engage researchers in Research Data Management? Read some recipes,
edu.nl/d3t6b

Collaboration

Get engaged with the community!



21. Read the Beijing Declaration of core principles to encourage global cooperation for public research data and join the RDA adopted FAIRsharing community network of policy makers, edu.nl/d9wf4 & edu.nl/wphba
22. Encourage all research data management experts in your institution to join the National Coordination point Research Data Management, edu.nl/nu3xd
23. Join the Research Data Alliance! Belong to an international community and help build social and technical bridges to enable data sharing; join the RDA activities in the Netherlands! edu.nl/tp39u & edu.nl/p4fvy

Contact Information

This document is an audience-specific version (for policy makers) of the 23 Things for/by the Dutch community, created by the LCRDM task group RDA 23 Things (lcrdm.nl). The original 23 Things can be found at edu.nl/w7e34, the LCRDM adaption for the Dutch community can be found at doi.org/10.5281/zenodo.3465895. If you have any relevant resources for the 23 Things, please contact the LCRDM coordinator.

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