

## Create Application Adoption Grants

### Title of proposal \*

23 Things Revisited: Field guides to research data management

### O1: Organisation name \*

National Coordination Point Research Data Management, the Netherlands (LCRDM: Landelijk Coördinatiepunt Research Data Management). Website: [www.lcrdm.nl](http://www.lcrdm.nl)

### O2: Organisation type \*

X Other: National network of professionals in RDM from various types of academic and research organisations in the Netherlands

### O3: Profile of lead organisation \*

Set up in 2015, the National Coordination Point Research Data Management (LCRDM) is a Dutch national network of experts in the field of research data management (RDM). It is a joint, bottom-up effort that makes the link between policy and practical solutions. Within LCRDM, experts from various Dutch academic and research organisations and disciplines work on RDM subjects that are too big for one organisation to tackle alone and that need an actively coordinated national plan of action.

To that end, LCRDM brings together, among others, research support staff, policy makers, IT specialists, and managers of various research institutes and research funding organisations. Experts typically work together in short term Task Groups, to deliver, within brief periods of time, products such as advice, inventories, guidelines, handouts, decision trees, and/or to organise national (expert)meetings. The LCRDM products mainly aim at research support staff to enable them to assist and guide PhD and master students and researchers in good data management during the full research life cycle.

In the Netherlands, the LCRDM coordinates and facilitates collaboration between the various RDM stakeholders. The goal of the LCRDM is to make RDM a self-evident part of education and research practice in the Netherlands, within five years from now. RDM is considered an important vehicle to support the transition towards Open Science.

AP1: Who is making this proposal and who else will be involved in the adoption and its testing? \* Describe the organisations(s) involved and the relation between them if there is more than one. (max 150 words)

For this proposal, the *LCRDM Task Group RDA EUROPE Project* was created, consisting of members of LCRDM who are representatives from the LCRDM office, the RDM support offices of Radboud University, VU University Amsterdam and Leiden University, and the UKB Work Group Research Data. This core team will be responsible for executing the project.

Various research organisations in the Netherlands will be involved in adopting and testing the proposal, such as universities, universities of applied sciences, university medical centers and other specialized institutions. These will be reached via the LCRDM Advisory Board and LCRDM Pool of Experts, currently consisting of 151 people from 51 organisations. LCRDM closely cooperates with other national RDM stakeholders, like the UKB Work Group Research Data, Research Data Netherlands, Netherlands eScience Center, Dutch Techcentre for Life Sciences and Data4LifeSciences. Special connections will be made with the national organisation of PhD students PNN and GoFAIR-NL.

AP2: Recommendations and Outputs to be adopted

23 Things: Libraries For Research Data

AP3: Explain your existing knowledge of the RDA Recommendation(s) and output(s) to be adopted and involvement in RDA overall. \* (max. 400 words)

Because the LCRDM focusses on policy related topics, we selected a non-technical topic from the list of RDA recommendations and outputs: *23 Things: Libraries For Research Data*. Ten years ago, the initial '23 Things for Libraries' programme played a major role in the understanding of the importance of web 2.0 and social media for library staff in the Netherlands (<http://plcmcl2-things.blogspot.com>). The 23 Things: Libraries for Research for Data (short: 23 Things) can have a similar impact.

However, the current Dutch translation could be more tailored to the Dutch context. We see various use cases for updating and adjusting the 23 Things, including involving other target audiences than just librarians, and stimulating a nationwide adoption of potential new 'versions' via the LCRDM pool of experts.

One of the use cases would be to align existing training events with the 23 Things.

The Australian version of 23 Things (<https://www.ands.org.au/working-with-data/skills/23-research-data-things>) forms a wealthy example for such a use case. The 23 Things could for example feed into the already planned update of the Dutch RDNL [Essentials4Data Support](#) training course.

We consider 23 Things an essential contribution to the basic need for RDM knowledge within the Dutch research landscape.

RDA involvement of the Task Group members:

- All are personal members of RDA. Some have attended RDA plenaries.
- All are familiar with the community building work that RDA delivers at an international level, and they all put effort in promoting the message of RDA in their home research organisations.
- Two members of the Task Group take part in the core team of the RDA Netherlands working group, one is part of the Liber Working Group RDM, and one of the CODATA policy group.
- A member of the Task Group has deep practical knowledge in a similar umbrella organisation due to her work at the IFLA (International Federation of Library Associations) Headquarters, working together with for instance UNESCO to implement recommendations and outputs.
- Another member of the Task Group collaborated with the Climate Change Centre Austria to look at the feasibility of adopting the RDA Data Citation Recommendations for the [netCDF data stored at the 4TU.Centre for Research Data in the Netherlands](#).
- This same member is part of a [recently started RDA project under the umbrella of the Libraries for Research Interest Group](#), which seeks to collect case studies from organisations around the world on how to engage researchers with RDM.

AP4: What problem are you addressing in the proposal? \* Explain the current status and how this will be improved by adopting the RDA Recommendation(s) and Output(s), a before & after listing the benefits foreseen. (max. 200 words)

Research support staff, such as data stewards, IT support staff, librarians or policy officers, often have different levels of understanding of RDM. However, they need to collaborate closely to offer state-of-the-art support for researchers wishing to do responsible RDM. The 23 Things can act as a shared reference tool that enhances mutual understanding and improves collaboration. It can also be used for quick reference and as a guideline for training. We propose to update and adjust the 23 Things to the abovementioned audiences and stimulate nationwide adoption.

Expected benefits:

- The (initial Dutch translation of) 23 Things (*before*) is updated with resources relevant to the Dutch and European context (*after*).
- The 23 Things (*before*) is adapted and translated into versions for various target audiences (*after*); this will facilitate practical support and training to these audiences.
- Support staff from different backgrounds and with different levels of expertise can reach a common level of understanding of the Dutch RDM landscape (*after*).
- Due to a nationwide approach, the relevance and implementation will be broad and the expected impact high (*after*).
- The outcome and the process leading to it will help other European organisations to adopt the 23 Things (*after*).

AP5: Brief description of the planned work. Explain how you will use / implement the Recommendation(s) and output(s). \* (max. 400 words)

*Creating a nationwide commitment*

- The final project proposal will be shared within the LCRDM pool of experts and with other relevant stakeholder groups in the Netherlands, including the RDA Netherlands Node, to prepare a nationwide adoption and implementation plan.
- The LCRDM Task Group core team will be extended, aiming at representing the various research organisations and RDM stakeholders in the Netherlands.
- Potential relevant target audiences for the new versions of the 23 Things within the (Dutch) community will be involved at this stage.

*Adjusting the 23 Things content*

- The text will be updated according to recent RDM developments, such as the FAIR principles, the GDPR, and Open Science in Europe.
- Links and references will be changed to reflect Dutch or European initiatives and resources.
- Different (adjusted) versions of the 23 Things will be produced aimed at different target audiences (such as students, researchers, IT staff and data stewards).

*Getting the 23 Things adopted*

- RDM librarians (target audience of the original 23 Things) will be paired with other relevant target audiences (as listed above), to test the potential adoption of the new versions of the 23 Things in their daily practices.
- RDM librarians will be paired with RDM training coordinators, to test the potential adoption of the new versions as a basis for RDM training in the Netherlands.
- The usefulness and potential use of the new versions will be tested in consultation with various stakeholder groups in the Netherlands, such as the UKB Working Group

Research Data, the Data Steward Interest Group, the Open Science Communities, the PhD student community, and through existing training efforts (e.g., the RDNL Essentials 4 Data Support training and institutional training for students and researchers).

*Dissemination of the final new versions of the 23 Things*

- Create a Zenodo community to broadcast information on the project, and post updates and deliverables, including the final new versions of the 23 Things once tested and proved useful to the Dutch RDM community.
- The Zenodo Community will include description of the methods and results for those who may want to adjust and update the 23 Things to their own context.
- For broadcasting our Zenodo community, we will use the various existing national and international digital newsletters on RDM and the LCRDM website/platform.
- We aim at broadcasting deliverables via for instance reference cards, (poster) presentations, webinars etc. and - if accepted - a use case paper in a data journal.

AP6: Who are the main beneficiaries of your work and how will they be assisted? \* Please evidence existing user requirements and how these have been identified / assessed. (max. 200 words)

Our project is beneficial to the various groups that work with research data on a daily basis:

- Research support staff in the broadest sense, including data librarians, data stewards, data managers, and IT research support staff.
- Master and PhD students.
- Researchers.
- RDM training organisers and attendees.
- The Dutch RDM community (via the LCRDM).
- The international RDM community (via the LCRDM, Zenodo community, mailing lists, newsletters, and other relevant channels).

These groups will be assisted in the following way:

- Research support staff and training organisers will be assisted via the project documentation (Zenodo community) and implementation workshops.
- Master and PhD students and researchers will be assisted by their local research support staff.
- The Dutch and international RDM community may learn from our experiences via the project documentation (Zenodo community).
- The LCRDM will actively assist by for instance creating a collection of use cases on the LCRDM Platform / wiki pages.

AP7: What are the expected results and impact? \* Please specify well-defined outcomes/results that can be included in contracts and assessed by external evaluators. How will the adoption case and deliverables influence and improve the current situation outlined above? (max. 400 words)

*Main deliverables*

1. Adoption and implementation plan.
2. Different new versions of the 23 Things, adapted to Dutch / European situation and to different target audiences.
3. Use cases and recommendations for use of the 23 Things in daily practice (reference tool), in training, and for different stakeholders.

4. Zenodo community, guidelines for adopting 23 Things in other contexts, promotion material.

RDM is part of the rapid developing transition towards Open Science. The GDPR, FAIR and the code for scientific conduct (NL) lead to a growing need for information, training and support. Adapting and updating the 23 Things is not only relevant for the Dutch community, but also for the international community.

The project results in new, updated and adjusted versions of the *23 Things: Libraries For Research Data* to match the Dutch RDM context and recent RDM developments in Europe, and aimed at broader target audiences than just data librarians, who were the main audience for the original 23 Things.

Creating these new versions in consultation with the many different RDM stakeholders in the Netherlands will result in improved cooperation at the national level and a common and mutual understanding of RDM among a very diverse set of RDM practitioners and supporters (e.g. data librarians, data stewards, IT specialists, policy officers, researchers, PhD and Master students).

The new versions of the 23 Things will also be used as a basis for RDM training. There isn't a national framework for RDM training in the Netherlands yet. The new versions and the process that will lead to their creation will result in coordinated training efforts and a consensus of what should be included in RDM courses for different audiences.

A series of blogs on the LCRDM and institutional platforms will promote the project, its progress and results. All materials and outputs (written case studies, final reports etc.) will be made publicly available. Therefore, the project will also have impact at the European and international level, particularly if it inspires others to follow in our footsteps.

The project and its results will be presented in a RDA webinar and/or at a RDA plenary session, and other relevant conferences. At least one article will be published in a relevant international journal such as the CODATA Data Journal.

A proposal will be formulated to keep the final results of the projects updated and sustainably accessible for a minimum of 4 years.

AP8: Proposed timeframe and brief workplan / gannt chart of activities. \* (max 1 page A4) Files must be less than **200 MB**. Allowed file types: **txt rtf pdf doc docx odt ppt pptx odp**.

See attachment

### Resources

R1: Describe the resources you will use to undertake the project and how you intend to apply the funding for those resources. \*

We expect our funding to support staff time and/or travel to promote your project or work with collaborators. You should separate these costs and indicate how they have been arrived at, and indicate how any other funding (such as an institutional contribution) will be applied. Costs other than travel or staff should be clearly explained and justified. Subcontracting and indirect costs are not eligible. Only real costs, documented in receipts, without overhead, can be claimed. If you have doubts about specific types of cost, contact us in advance to discuss eligibility.

(max. 200 words)

The budget consists of: - Staff efforts of core team project members and involved people from the Dutch RDM community (both requested and as in-kind contribution). - Travel costs for team

meetings and working sessions. - Costs for organising events (kick-off, FtF, final event, such as location, materials, catering) (both requested and as in-kind contribution). - Costs for dissemination materials (such as posters, flyers, reference cards (both requested and as in-kind contribution). - Costs for website and app development (both requested and as in-kind contribution). See attachment for the budget proposal.

R2: Expectation on dissemination activities for your project \* RDA Europe will assist in dissemination activities for your project. Please outline your expectations of what you might need and when you might need it (for instance, at the end to promote your work, or early on to attract more potential users.) (max. 100 words)

- At the national level, the project will be disseminated via the LCRDM community. This will be particularly important early on to attract potential users.
- At the international level, the project will be disseminated via a Zenodo community, which will be set up at the start of the project.
- The project and its deliverables will also be disseminated via (poster) presentations, webinars and - if accepted - a use case paper in a data journal.
- Any exposure RDA Europe could provide throughout the project's duration would be helpful, via e.g. its website, mailing lists, and social media channels.

### Project Team \*

First Name \* Ingeborg

Surname \* Verheul

Organisation \* LCRDM

Email \* [ingeborg.verheul@surfsara.nl](mailto:ingeborg.verheul@surfsara.nl)

Proposed role in project \* core project team member

Short bio / relevant expertise \* Ingeborg Verheul is coordinator of the LCRDM, previously worked as a librarian, led several (inter)national cross-domain cooperation programmes in the cultural heritage sector, did research in digital preservation and has experience with writing international recommendations and having them adopted.

ORCID: <https://orcid.org/0000-0003-4093-3190>

First Name \* Mijke

Surname \* Jetten

Organisation \* Radboud University

Email \* [m.jetten@ubn.ru.nl](mailto:m.jetten@ubn.ru.nl)

Proposed role in project \* core project team, proposed chair and principal contact

Short bio / relevant expertise \* Mijke Jetten is coordinator of the Open Science team at Radboud University and has set up RDM support at the Library; she also is data steward at the Institute for Management Research; as part of her PhD, Mijke has developed educational material and organised training sessions. ORCID: <https://orcid.org/0000-0001-9114-2896>

First Name \* Maria

Surname \* Cruz

Organisation \* VU Amsterdam

Email \* [m.j.marquesdebarrosacruz@vu.nl](mailto:m.j.marquesdebarrosacruz@vu.nl)

Proposed role in project \* core project team member

Short bio / relevant expertise \* Maria Cruz is Community Manager RDM at the Library of the VU Amsterdam. Her role is to build and maintain RDM Communities at the VU, and in particular, to facilitate cooperation between the various RDM stakeholder within the university, including the researchers, the Library RDM team, IT and other research support

**Project Team \***

services. Previously, she worked at the Library of the Delft University of Technology, where she explored options for the 4TU.Centre for Research Data to expand its services related to netCDF data. While at Delft, she also worked on the topic of software sustainability and its relationship with data stewardship.

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First Name \* Fieke

Surname \* Schoots

Organisation \* University Leiden

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Proposed role in project \* core project team member

Short bio / relevant expertise \* Fieke Schoots is data management expert at the Centre for Digital Scholarship at Leiden University Libraries. She has set up services for support and training on data management and is involved in the university data management programme. She is chair of the working group Research Data of Dutch University libraries.

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Please list all members of the project team and their roles (including the principal contact)

**Further informations**

Other information in support of your proposal \* Please provide any other information you feel we should be aware of and consider. (max. 200 words)

Not applicable
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Please upload all relevant supporting documents Upload maximum 5 files that you consider relevant for your application

Advisory board letter. Work plan. Budget.
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