



2021 Webinar Series Highlighting RDA Outputs

Hosted by RDA-US

RESEARCH DATA ALLIANCE

UNITED STATES



rd-alliance.org

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About Research Data Alliance (RDA)



Research Data Alliance (RDA)

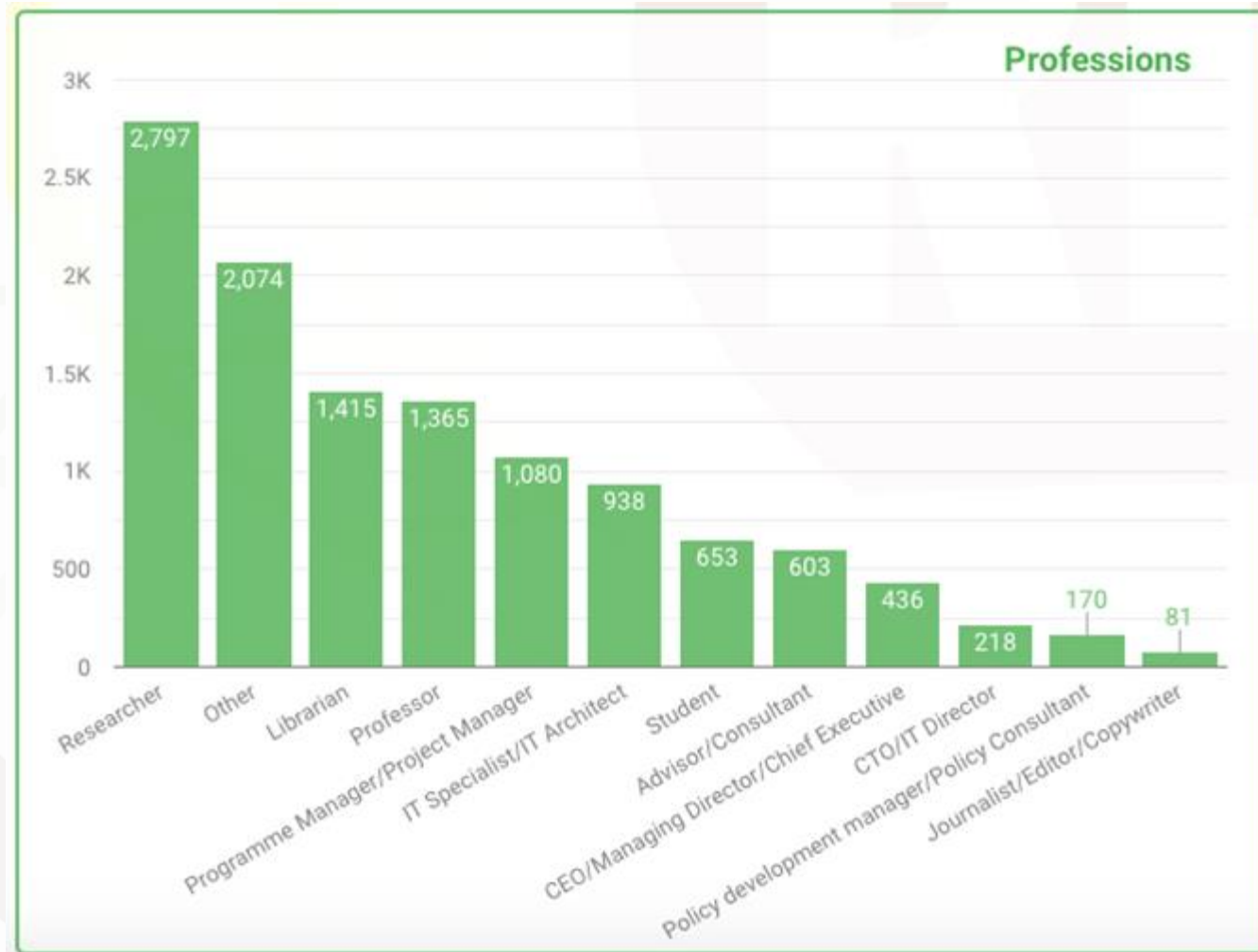
Community of over 11,830+ data experts from around the globe (145 countries) who collaborate together in building the social and technical bridges to enable open sharing and re-use of data.

RDA-US

The RDA-US is a recognized Region of the Research Data Alliance represented by 2,500 RDA members who supports the global operations and help strengthen the data science infrastructure community.

Join RDA

www.rd-alliance.org



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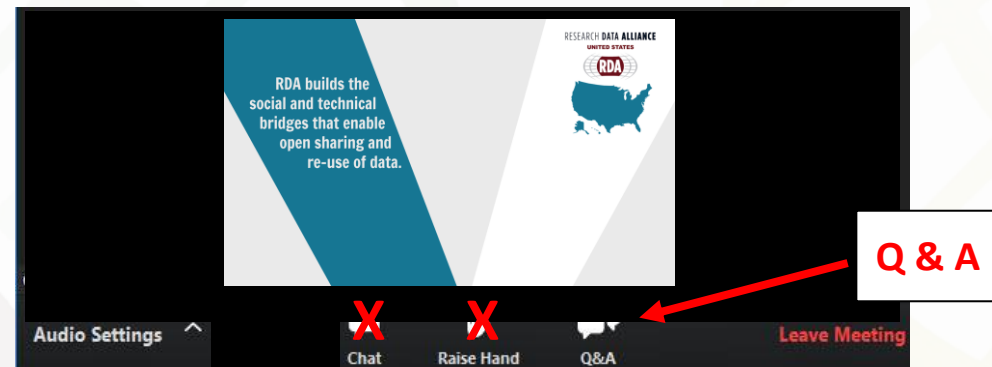
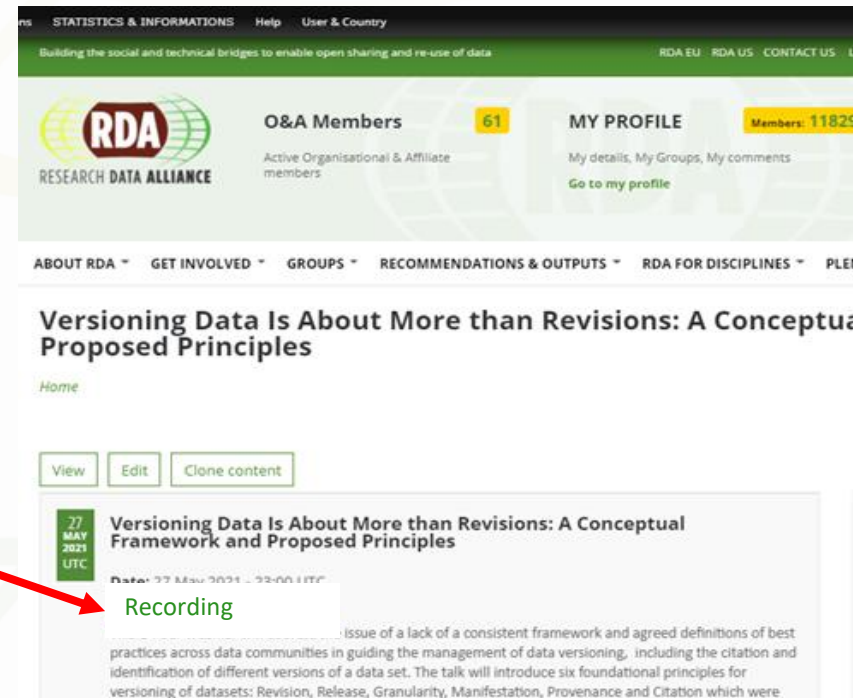
Recording

Please note, this **event is being recorded**, and will be available on the RDA website.

Questions and Answers

Please use the Q&A option to ask questions of the presenter.

The Q&A option can be found at the bottom of your Zoom screen



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2021 Webinar Series Highlighting RDA Outputs

Hosted by RDA-US



Exploring Past, Present, and Future Outcomes of the RDA Libraries for Research Data (L4RD) IG



Connie Clare
Delft University of
Technology (TU Delft)
United Kingdom



**Christopher
Erdmann**
American Geophysical
Union
United States



Mijke Jetten
Dutch Techcentre for
Life Sciences (DTL) &
Health-RI
The Netherlands



Su Nee Goh
Nanyang Technological
University
Singapore

Register Here:

<http://bit.ly/Libraries4RD>

#RDAwebinar

June 28th

13:00 UTC



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23 Things: Libraries for Research Data

Mijke Jetten, Dutch Techcentre for Life Sciences (DTL) and Health-RI



The Top 10 FAIR Data & Software Things'

Chris Erdmann American Geophysical Union (AGU)



Engaging Researchers with Data Management: The Cookbook

Connie Clare Delft University of Technology (TU Delft)



An introduction of the L4RD new chairs and a discussion of new group initiatives

Su Nee Goh, Nanyang Technological University



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Thank You For Joining!



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RDA's 23 things adopted: a tool for knowledge and training on RDM for various audiences

Mijke Jetten
mijke.jetten@dtls.nl



On behalf of the 23 Things Task Group of the LCRDM



L4RD webinar, June 28, 2021

Link to presentation: <https://doi.org/10.5281/zenodo.5036380>



Universiteit
Leiden





Adopting the 23 things



23 Things: Libraries for Research Data
An overview of practical, free, online resources and tools that you can begin using today to incorporate research data management into your practice of librarianship.

RESEARCH DATA ALLIANCE

Research Data Sharing Without Barriers

Learning Resources
Librarians are learning how to apply the principles of library science to solve problems and to provide new services related to research data.

1. A “top ten” list of **recommendations** for libraries to get started with research data management from LIBER, <http://bit.ly/RDAthings1>
2. Relevant concepts are presented and mapped in the **e-Science Thesaurus**, <http://bit.ly/RDAthings2>
3. Understanding the life of research data with the **DCC Curation Lifecycle Model**,

Learning Resources
Data Reference and Outreach
Data Management Plans
Data Literacy
Citing Data
Data Licensing and Privacy
Digital Preservation
Data Repositories
and a Community of Practice
...to help librarians engage in research data management!

Data Reference & Outreach
Librarians are answering questions about data from patrons and conducting outreach to assess the data needs of their researchers and

10. Questions about data answered by experts on the **DataQ** forum, <http://bit.ly/RDAthings10>
11. One example is the **DMPTool** that lists funder requirements in the United States and builds a plan by asking the researcher to answer a series of questions. Other countries such as the U.K. and Canada have similar tools, <http://bit.ly/RDAthings11>



What?

23 Things versions for different audiences

Why?

- New topics for Dutch context: FAIR, GDPR, Open Science ...
- We need a common understanding of RDM among diverse practitioners and supporters

How?

Via an RDA adoption grant, by a Dutch LCRDM task group, using community sprints (June '19 - September '20)

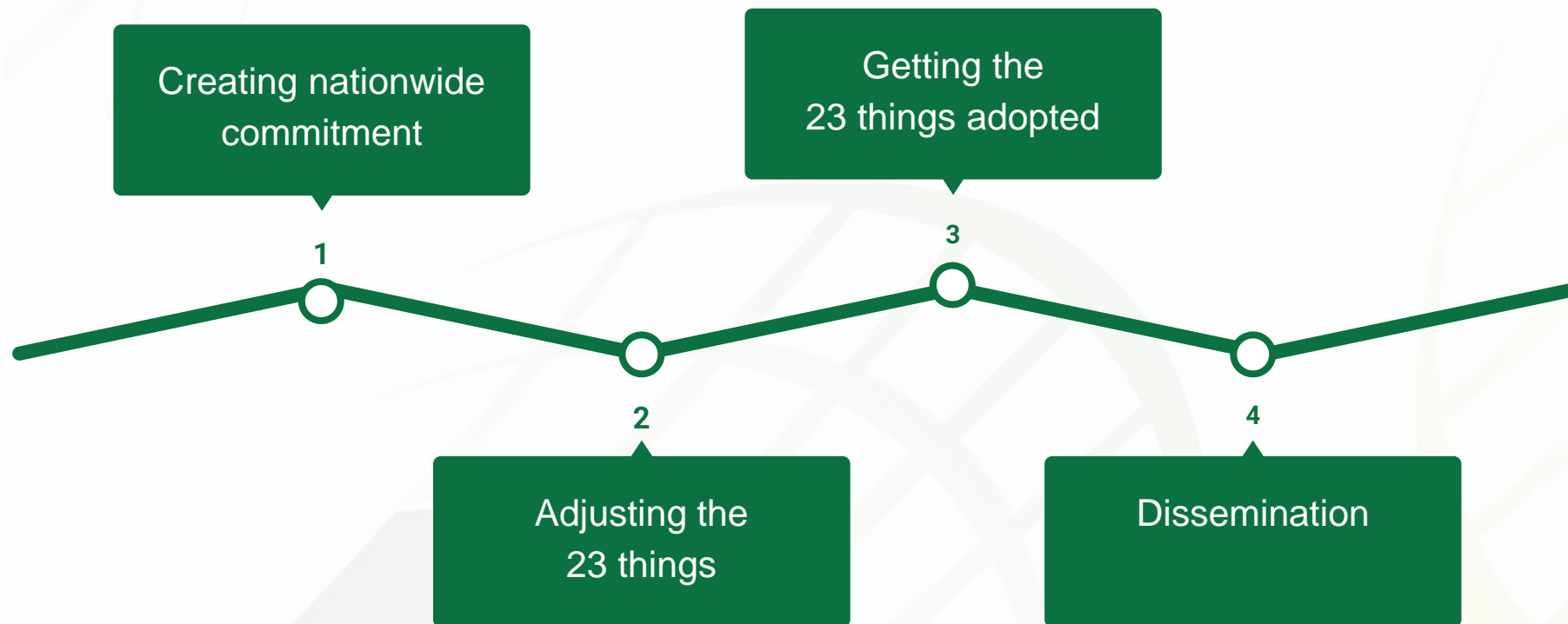
Deliverables

All deliverables available via: <https://www.lcrdm.nl/23things>

<https://www.rd-alliance.org/23-things-libraries-research-data-rdas-libraries-research-data-interest-group.html>



Adoption process



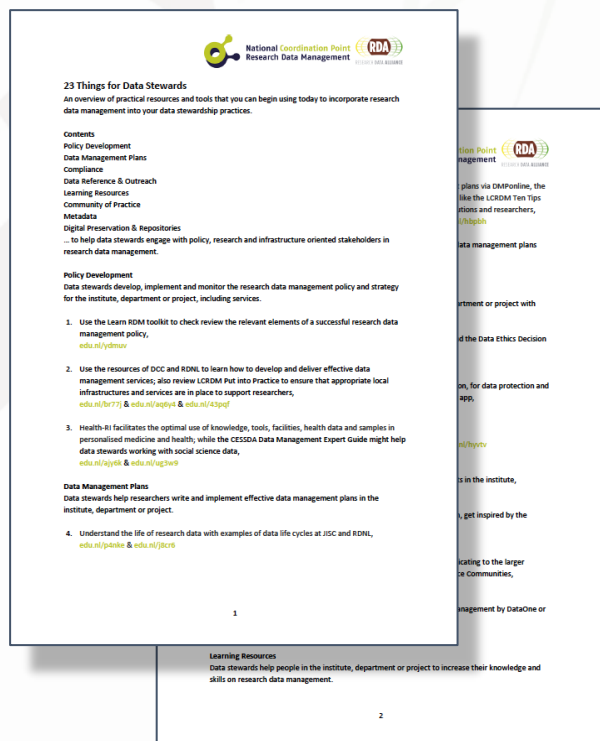
National **Coordination Point**
Research Data Management



Output

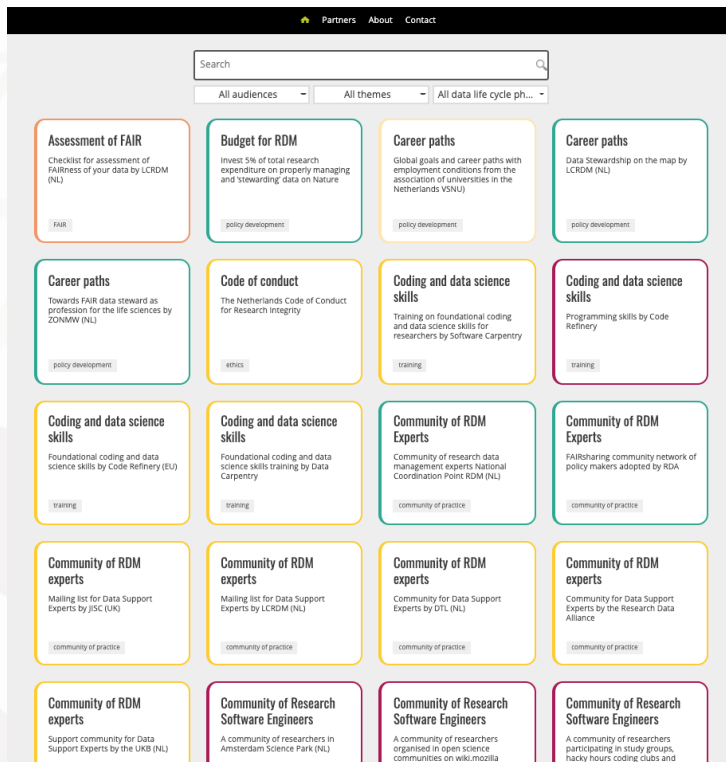
Digital sheets for training purposes

<https://doi.org/10.5281/zenodo.3773663>



Audiences

- Researcher
- Student
- Librarian
- Data steward
- IT staff
- Research Software Engineer
- Policy maker



Toolkit (beta version)

<https://23things.sites.uu.nl>

Filter by

Audience (7 options)

Theme (17 options)

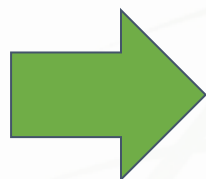
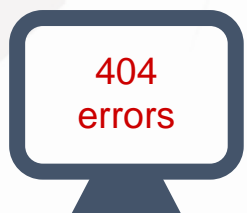
Data life cycle phase (6 options)





Challenges

To avoid



Get our sustainability act together....

Maintenance plan

- Expand involved community
- Editorial board
- Regular maintenance
- Ideally: international (RDA) adoption

Training plan

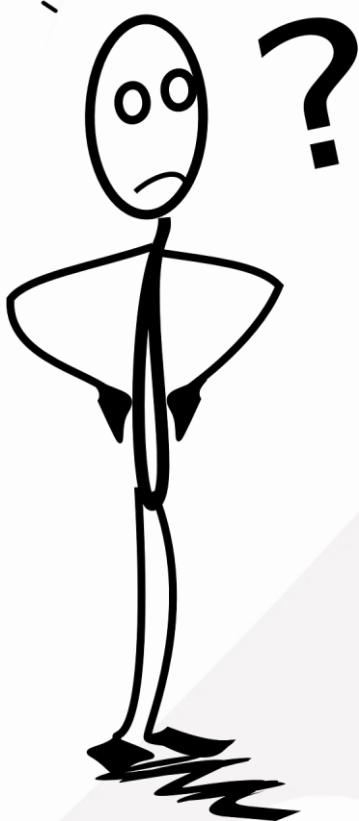
- Ready to use training packages/modules
- Embed in existing RDM courses, like Essentials 4 Data Support



National **Coordination Point**
Research Data Management



A simplified user story



Challenge

- Boris is a data steward at the TU Eindhoven
- A PhD candidate asks him how she should cite the code and software that she received from her professor for doing her analysis

23 things tool

- Boris may use the 23 things tool himself to find an answer to improve his **FAIR data stewardship knowledge and skills**
- Boris could also directly suggest the PhD candidate to use the 23 things tool to build **RDM and FAIR awareness**
- The PhD candidate could also hint to her professor how handy the 23 things tool actually is for building **RDM and FAIR awareness**



National **Coordination Point**
Research Data Management



Boris selects
his audience ...



Home Partners About Contact

Search

Researchers & PhD ... All themes All data life cycle ph...

Search

- ☐ Data Stewards (64)
- ☐ Data & Subject Librarians (58)
- ☒ Researchers & PhD Candidates (45)
- ☐ Policy Makers (41)
- ☐ Research Software Engineers (36)
- ☐ IT Support Staff & Specialists (21)
- ☐ Bachelor & Master Students (19)

Assessment of FAIR
Checklist for assessment of FAIRness of your data by LCRDM (NL)
FAIR

Coding and data science skills
Foundational coding and data science skills by Code Refinery (EU)
training

Coding and data science skills
Foundational coding and data science skills training by Data Carpentry
training

Community of RDM experts
Community for Data Support Experts by the Research Data Alliance

Community of Researchers
Participate in community of researchers for Open Science (NL)

Data and software citation
How to cite data and code in publications by Force11

Data archiving
Archiving tips by Research Data NL (RDNL)



Boris selects
his theme ...



Home Partners About Contact

Search

Researchers & PhD ... software citation (2) All data life cycle ph...

Data and software citation
How to cite data and code in publications by Force11

data citation software citation

Software citation
How to enable citation of software by Fair-Software

software citation

Search

- ☐ ethics (1)
- ☐ FAIR (4)
- ☐ licenses (4)
- ☐ metadata (10)
- ☐ outreach (3)
- ☐ policy development (1)
- ☐ privacy (7)
- ☒ software citation (2)
- ☐ software management planning (1)
- ☐ training (6)



Boris gets two possible solutions ...



Navigation bar: [Home](#) [Partners](#) [About](#) [Contact](#)

Search

Researchers & PhD ... software citation (2) All data life cycl

Data and software citation

How to cite data and code in publications by Force11

data citation software citation

Software citation

How to enable citation of your software by Fair-Software

software citation



One of the *things*
provides info on
software citation ...

FAIR software route
<https://fair-software.eu>

F A I R

12345

ENDORSE

#4

ENABLE CITATION OF THE SOFTWARE

{ & }

1

23

WHY THIS IS IMPORTANT

HELP ME CHOOSE



Design your own
learning path!

Just like Boris, the PhD
candidate and her
professor



Navigation: Home Partners About Contact

Search

All audiences All themes All data life cycle ph...

Assessment of FAIR Checklist for assessment of FAIRness of your data by LCRDM (NL) FAIR	Budget for RDM Invest 5% of total research expenditure on properly managing and 'stewarding' data on Nature policy development	Career paths Global goals and career paths with employment conditions from the association of universities in the Netherlands VSNU policy development	Career paths Data Stewardship on the map by LCRDM (NL) policy development
Career paths Towards FAIR data steward as profession for the life sciences by ZONMW (NL) policy development	Code of conduct The Netherlands Code of Conduct for Research Integrity ethics	Coding and data science skills Training on foundational coding and data science skills for researchers by Software Carpentry training	Coding and data science skills Programming skills by Code Refinery training
Coding and data science skills Foundational coding and data science skills by Code Refinery (EU)	Coding and data science skills Foundational coding and data science skills training by Data Carpentry	Community of RDM Experts Community of research data management experts National Coordination Point RDM (NL)	Community of RDM Experts FAIRsharing community network of policy makers adopted by RDA



Remarks, suggestions, additions?
Want to add your own things to the
tool?

Email to info@lcrdm.nl



National **Coordination Point**
Research Data Management



Engaging Researchers with Data Management: The Cookbook

Exploring Past, Present, and Future Outcomes of the RDA Libraries for Research Data (L4RD) IG

Connie Clare

Community Manager, 4TU.ResearchData

c.e.clare@tudelft.nl

2021 Webinar Series Highlighting RDA Outputs

28 June 13:00 UTC

RESEARCH DATA ALLIANCE
UNITED STATES



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Today's talk... The next 10 minutes!

- The Cookbook
- Project organisation
- Project timeline
- The book sprint
- How to use the Cookbook
- The case studies (three examples)





Open Book Publishers

<https://www.openbookpublishers.com/product/1080>

DOI:

pdf, html, paper or hardback

- 24 innovative case studies
- Institutions around the world
- Activities for effectively engaging researchers with data management
- For anyone interested in RDM
- Raise awareness of best practices
- Inform and inspire implementation



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Project organisation (L4RD)

Engaging researchers with Research Data: What works?

Project lead: Marta Teperek (TU Delft/4TU.ResearchData)

Steering board (10): Lauren Cadwallader, Julien Colomb, Maria Cruz, Mary Donaldson, Lambert Heller, Rosie Higman, Elli Papadopoulou, Vanessa Proudman, James Savage, Marta Teperek

Task leaders (6): Julien Colomb, Maria Cruz, Raman Ganguly, Reme Melero, Marta Teperek, Iza Witkowska

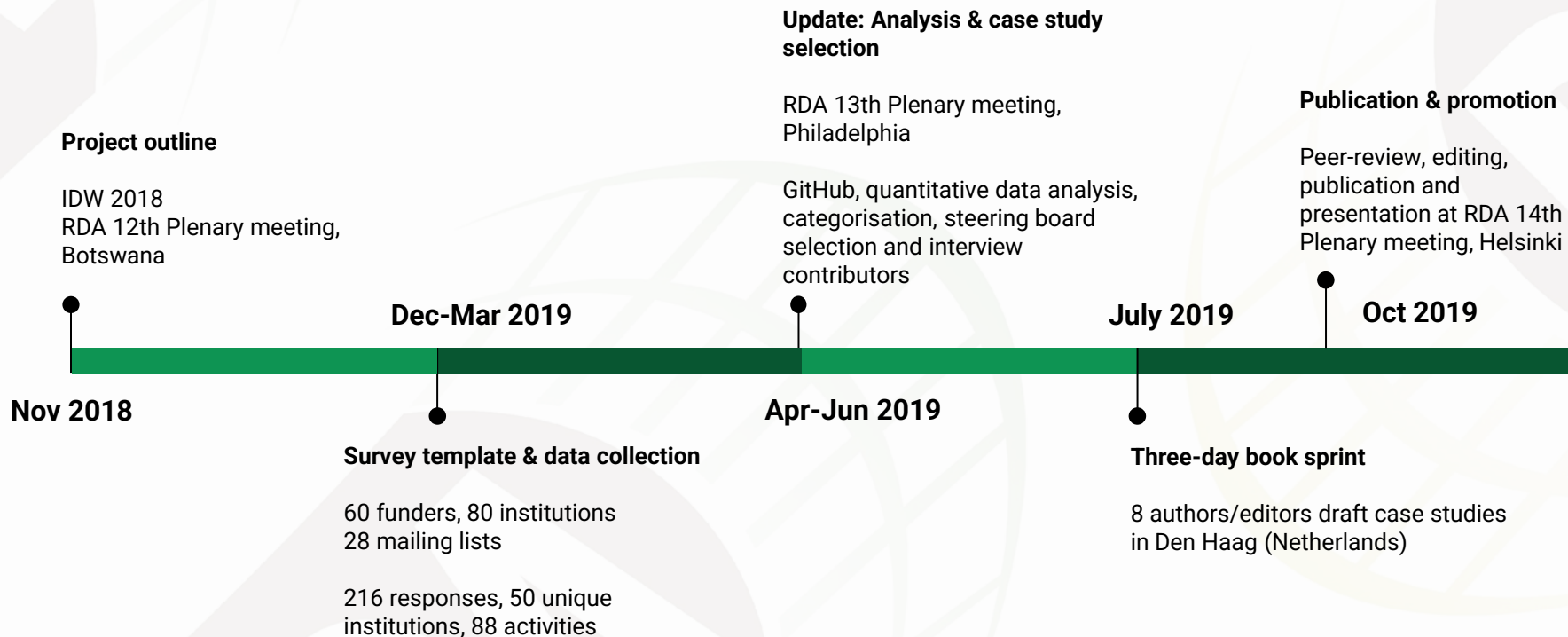
Authors & editors (8): Connie Clare, Maria Cruz, Elli Papadopoulou, James Savage, Marta Teperek, Yan Wang, Iza Witkowska, Joanne Yeomans

Libraries for Research Data IG: <https://www.rd-alliance.org/groups/libraries-research-data.html>





Project timeline





The book sprint

Book Sprint Success: A Team Writing Exercise For The Win.

A collaborative writing exercise in <1 week

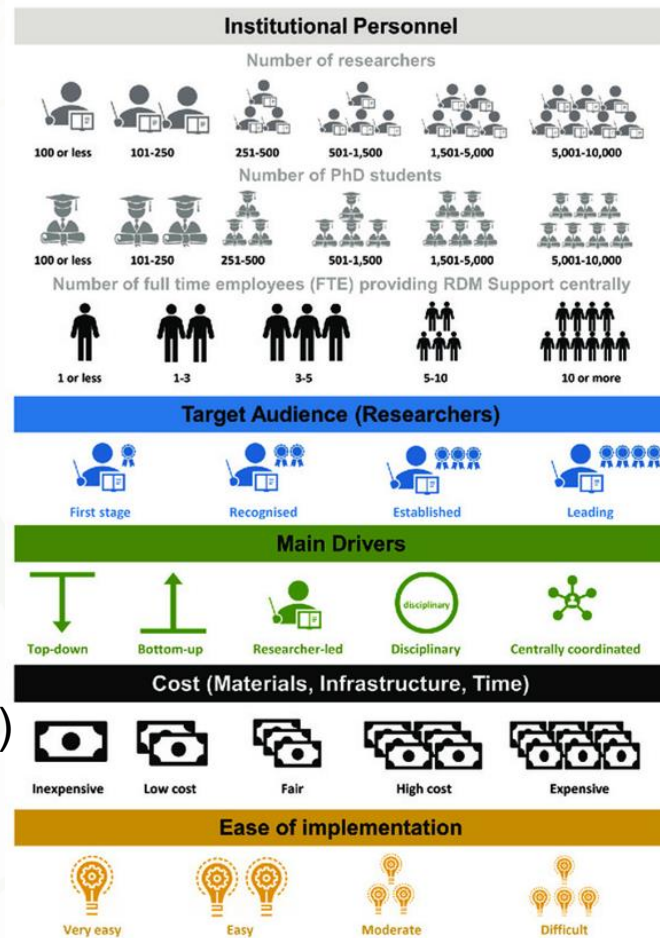
- Three-day book sprint
- Den Haag (Netherlands)
- Authors draft assigned case studies
- Set out the goals and objectives
- Come prepared with content
- Schedule blocks, briefs and breaks!
- Have fun!





How to use the Cookbook

- Navigate case studies of interest/relevant
- The Cookbook = recipes with ingredients
- Number of researchers
- Number of PhDs
- Number of RDM support staff
- Target audience (first stage, recognised, established, leading)
- Main driver (top down, bottom up, researcher-led, disciplinary, centrally coordinated)
- Cost (materials, infrastructure, time)
 - Inexpensive to expensive
- Ease of implementation (very easy to difficult)





The Cookbook Chapters

1. Research Data
Management Policy: The
Holy Grail of Research Data
Management Support

2. Finding triggers for
engagement

3. Engagement through
training

4. Dedicated events to
Gauge Interest and Build
Networks

8. Engage with Senior
Researchers through Archiving

7. Interviews and Case Studies



5. Networks of Data Champions

6. Dedicated consultants to
offer one-to-one support with
data





Case study: Finding triggers for engagement

Seeking opportunities for engagement and adapt existing workflows

Taking Advantage of Existing Administrative Systems at the MRC Social and Public Health sciences Unit, University of Glasgow (Mary-Kate Hannah, Data Scientist)

- Researcher applies for grant
- Complete an online form
- Sent to 'Portfolio Group' for approval
- Check topic within unit's remit
- Resources identified (personnel, data storage, DMPonline)
- Automatic email to Mary-Kate
- RDM presentation
- Follow-up: trial master file (grant application, legal, RDM folders)





Case study: Engagement through training

Using low-cost training methods to support researchers

Bring your own data workshop at the University of Cambridge (Annemarie Hildegard Eckes-Shephard, researcher)



- Researcher-led, bottom-up initiative
- RDM & Open Science starts with good project organisation
- Monthly 2 hr informal workshop
- Official calendar event
 - File-naming conventions
 - Writing a README
 - File and folder structure
- Peer-to-peer
- Networking and collaboration





Case study: Interviews and case studies

Increasing the visibility of RDM teams and services

Showcasing peers and their good practice at Vrije Universiteit Amsterdam & Utrecht University (Annemiek van der Kuil & Anneke de Maat, support/advisors)

- Interview researchers & publish stories
- Illustrate the value of RDM best practices (disciplinary, specific tools)
- Highlight lead by example, impact and visibility, raise the profile of ECR to senior researchers
- Peer-driven examples influence others
- 'Social norms govern the behaviour of society members'
- More researchers know where to seek help!





Thank you for your attention!



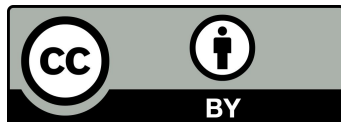
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Top 10 FAIR Data & Software Things: Past, Present, and Future

Chris Erdmann
Assistant Director, Data Leadership
American Geophysical Union
0000-0003-2554-180X
@libcce | cerdmann@agu.org



Origins



Australian Research Data Commons

“FAIR” blog posts from Library Carpentry that provide background on the sprints/activities

Top 10 FAIR Data & Software Things

A two-day worldwide sprint held on 29-30 November 2018 to develop domain-relevant guides on FAIR.

📅 2019-02-01 ✍️ Chris Erdmann Natasha Simons

The Carpentries in the Classroom

Reflections on Holding a Carpentries-Inspired Workshop in my Library and Information Science (LIS) Class

📅 2019-01-22 ✍️ Denice Adkins

Lesson Program Implementation, Governance Group Meeting, and Community Updates

News on Library Carpentry's Lesson Program Implementation with The Carpentries

📅 2019-01-10 ✍️ Chris Erdmann

Library HackyHour at Curtin University Library

A space where staff can continue to apply what they've learned from Library Carpentry workshops

📅 2018-12-12 ✍️ Janice Chan

We just passed 2K Twitter followers!

In celebration of reaching 2K Twitter followers, here is a summary of our Twitter Analytics

📅 2018-10-24 ✍️ Chris Erdmann

Announcing the Top 10 FAIR Data Things Global Sprint

A global sprint to develop 10 FAIR things resources for data in different disciplines

📅 2018-10-11 ✍️ Chris Erdmann Natasha Simons

<https://librarycarpentry.org/blog/>

Findings

- Inclusive/accessible approach invited new members to Carpentries community
- Understanding FAIR in the context of local communities/teams was helpful
- Planning ahead, streamlining instructions, structuring sprint activities is invaluable
- Underestimating the time it takes to edit material following sprints
- Top 10 FAIR still active, GitHub issues/pull requests, further discipline context still needed
- Experience from the sprint has helped similar sprints

GitHub Hosted Site

Top 10 FAIR Data & Software Things

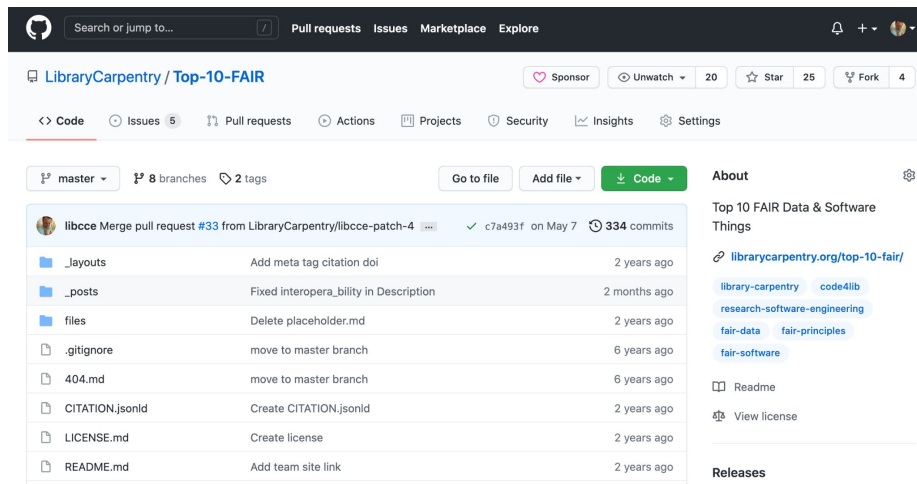
[about](#) [github repository](#) [download/cite](#) [license](#) [#top10fair](#)

The Top 10 FAIR Data & Software Things are brief guides (stand alone, self paced training materials), called "Things", that can be used by the research community to understand how they can make their research (data and software) more [FAIR \(Findable, Accessible, Interoperable and Reusable\)](#). Each discipline/topic has its own specific list:

Nanotechnology

Astronomy

Linked Open Data



The screenshot shows the GitHub repository page for **LibraryCarpentry / Top-10-FAIR**. The repository has 20 stars, 25 forks, and 4 forks. The main content area displays a list of files and folders, including `_layouts`, `_posts`, `files`, `.gitignore`, `404.md`, `CITATION.jsonld`, `LICENSE.md`, and `README.md`. The right sidebar contains the **About** section, which includes the repository name, a link to the repository, and a list of related repositories: `library-carpentry`, `code4lib`, `research-software-engineering`, `fair-data`, `fair-principles`, and `fair-software`. The **Releases** section is also visible.

<https://librarycarpentry.org/Top-10-FAIR/>

Example: Research Software Things

Thing 9: State how to cite your software

You want to get credit for your work. By providing the citation guideline you will help users of your software to cite your work properly. There is no single right way to do it. The Software Sustainability Institute website provides more information and discussion on this topic in a blog post [How to cite and describe software](#).

Activity:

Read “[Software citation principles](#)” paper. Read documentation of [Citation File Format](#) and [create CFF file](#) for your software.

Site Traffic / Search Engine Optimization

Based on some preliminary review:

- Average 9K Views/Month
From SEO Review Tools/Website Traffic Checker
- Top 10 Hit in Google Search
- Displays as Google Snippet

Google Search (900 Results)

Sites:

Library Carpentry, GO FAIR, RDA, Open Source Libs, Uni Goettingen, FAIRsFAIR, Uni Hildesheim, ARDC, CSIRO, OpenAire, NOAA, CODATA, Forschungsdaten, Utrecht Uni, FSCI, Open Science Fair, IOS Press, Curtin Uni, FAO, DoRANum, Taylor & Francis, DANS-KNAW, U Ghent, INIST, ORCID, Uni of Edinburgh, How to FAIR DK, CERN, Research Software Alliance, ResearchGate, ZBW, Uni of Manchester, Uni Leiden, UFES, UK Data Service, CCSD, Uni of Essex, EOSC, European Commission, MIT, NIH, Leibniz Research Alliance Open Science, CodeRefinery, Semantic Scholar, LIBER, DANS-NARCIS, Forschungsdaten, Kathleen Gregory, De Gruyter, DARIAH, The Carpentries, TU Graz, UCSF, Data Intelligence, Uni Washington, Geo X, Google Scholar, CAUDIT AUS, re3data

Zenodo Publication

- Over 80 authors, 50 institutions
- 6,351 views, 3,386 downloads
- 9th “Most viewed” FAIR publication

Christopher Erdmann, Natasha Simons, Reid Otsuji, Stephanie Labou, Ryan Johnson, Guilherme Castelao, ... Tim Dennis. (2019, February). Top 10 FAIR Data & Software Things. Zenodo.

<http://doi.org/10.5281/zenodo.2555498>

The screenshot shows the Zenodo interface for a publication. At the top is a blue header with the Zenodo logo, a search bar, and links for 'Upload' and 'Communities'. The user 'cerdmann@agu.org' is logged in. Below the header, the publication title 'Top 10 FAIR Data & Software Things' is displayed, dated 'February 1, 2019'. To the right of the title are two statistics: '6,351 views' and '3,386 downloads', each with a link to 'See more details...'. Below the title is a long list of authors, each preceded by a small circular icon. At the bottom right, there is a box indicating the publication is 'Indexed in OpenAIRE'.

zenodo Search Upload Communities cerdmann@agu.org

February 1, 2019 Lesson Open Access

Top 10 FAIR Data & Software Things

6,351 views 3,386 downloads See more details...

Indexed in OpenAIRE

Paula Andrea Martinez; Christopher Erdmann; Natasha Simons; Reid Otsuji; Stephanie Labou; Ryan Johnson; Guilherme Castelao; Bia Villas Boas; Anna-Lena Lamprecht; Carlos Martinez Ortiz; Leyla Garcia; Mateusz Kuzak; Liz Stokes; Tom Honeyman; Sharyn Wise; Josh Quan; Scott Peterson; Amy Neeser; Lena Karvovskaya; Otto Lange; Iza Witkowska; Jacques Flores; Fiona Bradley; Kristina Hettne; Peter Verhaar; Ben Companjen; Laurents Sesink; Fieke Schoots; Erik Schultes; Rajaram Kaliyaperumal; Erzsébet Tóth-Czifra; Ricardo de Miranda Azevedo; Sanne Muurling; John Brown; Janice Chan; Niamh Quigley; Lisa Federer; Douglas Joubert; Allissa Dillman; Kenneth Wilkins; Ishwar Chandramouliswaran; Vivek Navale; Susan Wright; Silvia Di Giorgio; Mandela Fasemore; Konrad Förstner; Till Sauerwein; Eva Seidlmayer; Ilja Zeitlin; Susannah Bacon; Katie Hannan; Richard Ferrers; Keith Russell; Deidre Whitmore; Tim Dennis; Daniel Bangert; Albert Meroño Peñuela; Enrico Daga; Gerry Ryder; Aswin Narayanan; Iryna Kuchma; Jose Manzano Patron; Andrew Mehnert; Matthias Liffers; Ronald Siebes; Gerard Coen; Kathleen Gregory; Andrea Scharnhorst; Maria Cruz; Françoise Genova; Matthew Kenworthy; Natalie Meyers; Evert Rol; Juande Santander-Vela; Joanne Yeomans; Elli Papadopoulos; Emma Lazzeri; Leonidas Mouchliadis; Katerina Lenaki; Spyros Zoupanos; Danail Hristozov; Stella Stoycheva; Ellen Leenarts; Marjan Grootveld; Frans Huigen; Eliane Fankhauser

Google Scholar (29 Results)



"top 10 fair data"





 Articles

About 29 results (0.11 sec)

 My profile

 My library

Any time

Since 2021

Since 2020

Since 2017

Custom range...

Sort by relevance

Sort by date

☐ include patents

☒ include citations

 Create alert

Top 10 FAIR Data Software Things

[C Erdmann](#), [N Simons](#), [R Otsuji](#), [S Labou](#), [R Johnson](#)... - 2019 - [dspace.library.uu.nl](#)

The **Top 10 FAIR Data** & Software Global Sprint was held online over the course of two-days (29-30 November 2018), where participants from around the world were invited to develop brief guides (stand alone, self paced training materials), called "Things", that can be used by ...

☆  Cited by 7 [Related articles](#) [All 2 versions](#) 

[\[PDF\] uu.nl](#)

Linked Open Data-10 Things to reach the realm of LOD (part of TOP 10 FAIR DATA amp; SOFTWARE THINGS)

[R Siebes](#), [GP Coen](#), [K Gregory](#), [A Scharnhorst](#) - 2019 - [narcis.nl](#)

Linked Open Data (LOD) are inherently interoperable and have the potential to play a key role in implementing the 'I' in FAIR. They are machine-readable, based on a standard data representation (RDF-Resource Description Format) and are seen as epitomizing the ideals ...

☆  

[\[HTML\] From FAIR Leading Practices to FAIR Implementation and Back: An Inclusive Approach to FAIR at Leiden University Libraries](#)

[KM Hettne](#), [P Verhaar](#), [E Schultes](#)... - [Data Science ...](#), 2020 - [datascience.codata.org](#)

... To create discipline-specific and understandable FAIR data resources aimed at single researchers, the CDS participated as collaborators in the international Library Carpentry **Top 10 FAIR Data** and Software Things sprint in November 2018 ...

☆  Cited by 2 [Related articles](#) [All 3 versions](#) 

[\[HTML\] codata.org](#)

Impact in the Literature

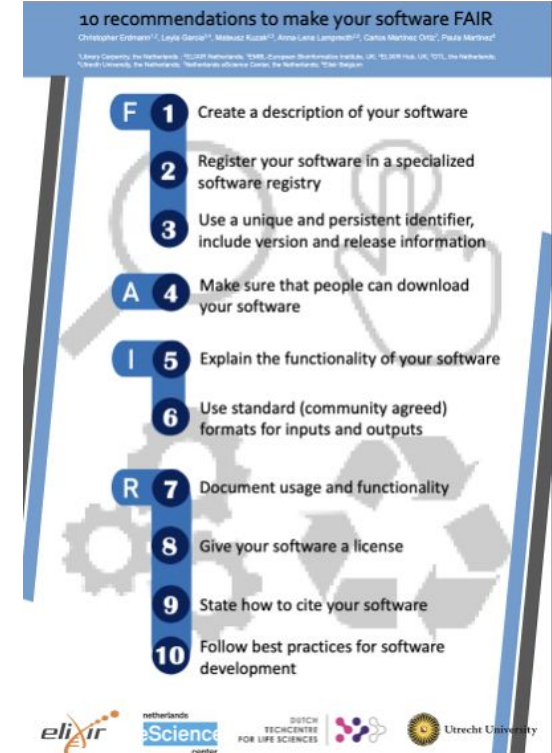
Jacobsen, A., de Miranda Azevedo, R., Juty, N., Batista, D., Coles, S., Cornet, R., Courtot, M., Crosas, M., Dumontier, M., Evelo, C. T., Goble, C., Guizzardi, G., Hansen, K. K., Hasnain, A., Hettne, K., Heringa, J., Hooft, R. W. W., Imming, M., Jeffery, K. G., ... Schultes, E. (2020). **FAIR Principles: Interpretations and Implementation Considerations**. Data Intelligence, 2(1–2), 10–29.
https://doi.org/10.1162/dint_r_00024

David, R., Mabile, L., Specht, A., Stryeck, S., Thomsen, M., Yahia, M., ... Alliance – SHARing Reward and Credit (SHARC) Interest Group, T. R. D. (2020). **FAIRness Literacy: The Achilles' Heel of Applying FAIR Principles**. Data Science Journal, 19(1), 32. DOI: <http://doi.org/10.5334/dsj-2020-032>

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10 recommendations to make your software FAIR

Erdmann C, Garcia L, Kuzak M et al. 10 recommendations to make your software FAIR [version 1; not peer reviewed]. F1000Research 2019, 8(ISCB Comm J):1541 (poster) (<https://doi.org/10.7490/f1000research.1117402.1>)



Additional Twitter Mentions (102 Tweets Total)

Organizations/Groups:

Cambridge RDM, Science Geist, Project FREYA, RISM, CDSL Leiden, Elixir, Flockademic, CA Digital Library, RDC-DRC, Open Science Feed, Generation R, INIST La LIST, Open Research Leeds, Open Access Tracking Project, UB Leiden, UCT Digital Library, QCIF, INCF, AARNet

For #Top10FAIR (129 Tweets):

eScience Center (NL), Melbourne Open Research Network, DCC, DNA Digest, FAIRsharing

RDA Output & Recommendation



19

May
2020

Top 10 FAIR Data & Software Things

By [Daniel Bangert](#)

The Top 10 FAIR Data & Software Things are brief guides (stand alone, self paced training materials), called "Things", that can be used by the research community to understand how they can make their research (data and software) more FAIR (Findable, Accessible, Interoperable and Reusable).

[Read more](#) [4 comments](#) [Log in](#) or [register](#) to post comments

3794 reads

Highlighted Outcomes

This lesson is still being designed and assembled (Pre-Alpha version)

Library Carpentry Home Code of Conduct Setup Episodes Extras License Improve this page Search...

Library Carpentry: FAIR Data and Software

FIXME: home page introduction

★ Under Design

This lesson is currently in its early design stage; please check [the design notes](#) to see what we have so far. Contributions are very welcome: we would be particularly grateful for exercises and for commentary on the ones already there.

⚙ Prerequisites

FIXME

Schedule

	Setup	Download files required for the lesson
00:00	1. Introduction	What does the acronym "FAIR" stand for, and what does it mean? How can library services contribute to FAIR research?
00:00	2. Findable	What is a persistent identifier or PID? What types of PIDs are there?
00:00	3. Accessible	Key question

FAIR Bytes

The favourite lunch hour talk about all things FAIR

@GOFAIR Festival 2021

0000-0003-1378-5495
@yalahoway



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FORCE11 Scholarly Communication Institute (FSCI)

In Closing - Some Ideas

- At the GO FAIR Festival we talked about the importance of convergence and messaging.
- At AGU Data Leadership, we use a checklist approach to guiding authors (e.g. [Jupyter Guidance](#)).
- Top 10 FAIR Data & Software Things seems to have an SEO advantage and takes a checklist type approach.
- Consider leveraging the Top 10 FAIR Data & Software Things for convergence on messaging.



Thank you. Questions? Feedback?



Chris Erdmann

Assistant Director, Data Leadership
American Geophysical Union
0000-0003-2554-180X
@libcce | cerdmann@agu.org

