RESEARCH DATA ALLIANCE

RDA Global Adoption week

15 - 19 June 2020

RDA #AdoptionWeek @resdatall

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Objective

- RDA Global Adoption week aims to **demonstrate the wide variety of RDA adoptable and adopted solutions to data sharing challenges** that people in the field encounter in their daily jobs.

RDA #AdoptionWeek @resdatall

Purpose of the week:

- Learn about RDA Outputs
- Converse with speakers from all around the world who have created and implemented them
- Determine how best to integrate those data sharing solutions into your own projects

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Monday 15th June

14:00 UTC

Data Management

Develop best practices and tools for non-static, machine-readable data management plans which can evolve throughout the research data lifecycle, as well as be machine-readable by collaborators and stored with the data.

- **RDA DMP Common Standard for Machine-actionable Data Management Plans** - Tomasz Miksa (TU Wien)
- **SEAGrid Science Gateway: Adoption of the PID Kernel Information and Data Type Registry Utilizing the E-RPID Testbed toward FAIR Scientific Workflows** - Rob Quick (Indiana University)
- **23 Things Revisited: Field guides to research data management, an adoption project** - Mijke Jetten, Cees Hof (LCRDM task group)

Recommendations & Outputs Catalogue short-link: **https://bit.ly/2UhOxyH**

Monday 15th June

23:00 UTC

Data Management

Develop best practices and tools for non-static, machine-readable data management plans which can evolve throughout the research data lifecycle, as well as be machine-readable by collaborators and stored with the data.

- **RDA DMP Common Standard for Machine-actionable Data Management Plans** - Peter Neish (University of Melbourne)
- **SEAGrid Science Gateway: Adoption of the PID Kernel Information and Data Type Registry Utilizing the E-RPID Testbed toward FAIR Scientific Workflows** - Rob Quick (Indiana University)
- **23 Things Revisited: Field guides to research data management , an adoption project** - Cees Hof, Margriet Miedema (LCRDM task group)

Recommendations & Outputs Catalogue short-link: **https://bit.ly/2UhOxyH**

Audience poll

Go to **www.slido.com**

Machine-actionable Data Management Plans

Tomasz Miksa
RDA Austria
tmiksa@sba-research.org

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DMPs currently

- Shortcomings of existing DMPs
  - manually completed, vague, not updated, considered bureaucracy, completed last minute, …

	Data Officer	*Who is responsible for the data management and the DMP of the project (name/email address)?*
I	**Data Characteristics**	
I.1	**Description of the data**	*What kinds of data/source code will be generated or reused (type, format, volume)?* *How will the research data be generated and which methods will be used?* *How will you structure the data and handle versioning?* *Who is the target audience?*
II	**Documentation and Metadata**	
II.1	**Metadata standards**	*What metadata standards (if any) will be in use and why? (see Digital Curation Centre)*
II.2	**Documentation of data**	*What information is needed for the data to be findable, accessible, interoperable and re-usable (FAIR) in the future?* *Is the data machine-readable?* *How are you planning to document this information?*
II.3	**Data quality control**	*What quality assurance processes will you adopt?* *How will the consistency and quality of data collection be controlled and documented? (This may include processes such as repeat samples or measurements, standardised data capture, peer review of data or representation with controlled vocabularies.)*
III	**Data Availability and Storage**	
III.1	**Data sharing strategy**	*How and when will the data be shared and made accessible?* *What repository will you be using?* *What persistent identifier will be used?*
III.2	**Data storage strategy**	*What data are to be preserved for the long-term, and what data will not be stored? How and where will the data be stored and backed up during the research?* *How and where will the data be stored after the project ends?* *For how long will the data be stored?* *Are there any costs that need to be covered for storage?* *At what point during or after the project will the data be stored?* *Are there any technical barriers to making the research data fully or partially accessible?*

https://www.fwf.ac.at/fileadmin/files/Dokumente/Open_Access/FWF_DMPTemplate_e.pdf

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Data Management Plans

How to discover these tools?

Which one do I need to use?

Why do I have to provide the same information again?

Why haven't they consulted us before?

Who is going to pay for this?

We don't have enough people for that!

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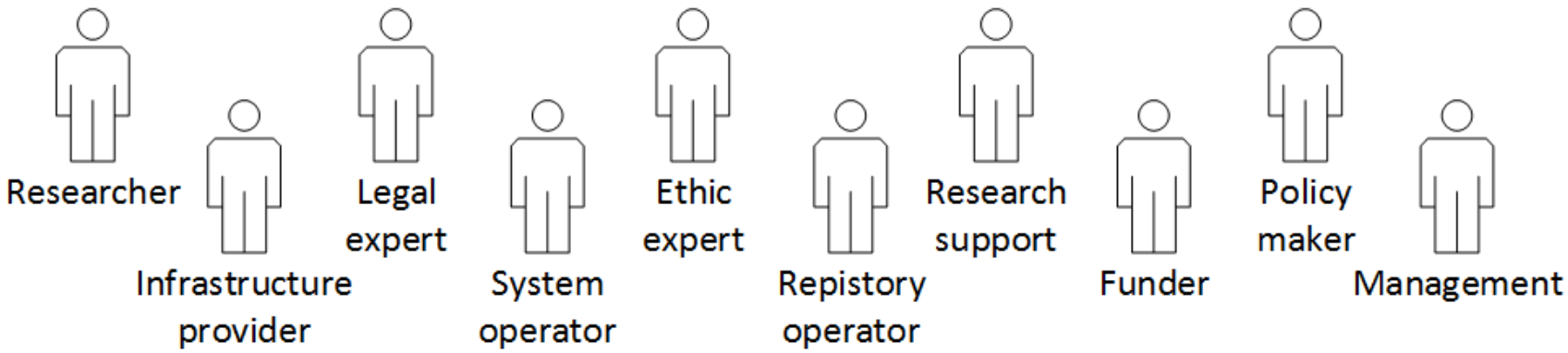
Research data lifecycle

- Stakeholders involved in research data management
  - require information at certain stages
  - can provide information if requested at a proper stage
- Many problems can be avoided when
  - timing is right
  - information flow is ensured



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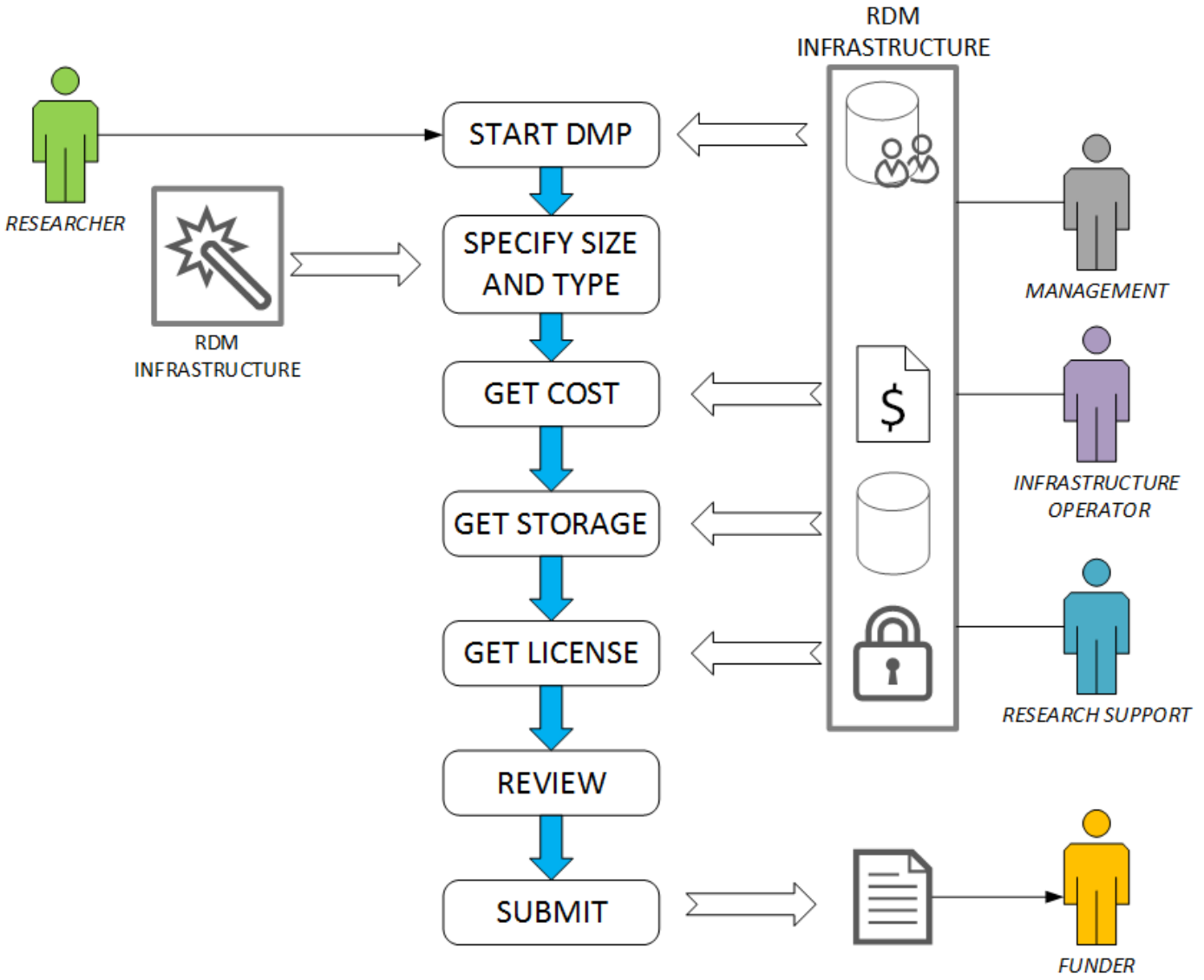
Automated Data Management Workflow



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Machine actionable DMPs

- living documents
- automate data management
  - collect information from systems
  - trigger actions in systems
- facilitate validation

- This requires
  - well-defined RDM workflows
  - data management infrastructure
  - common data model

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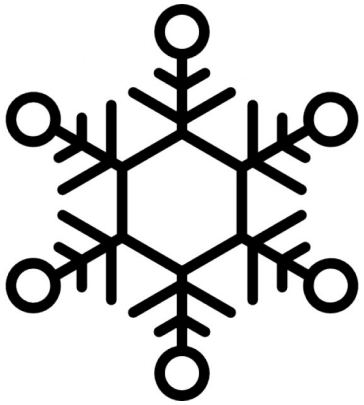
DMP Common Standards - Outputs

- **Common standard for machine-actionable DMPs**
  - to model information from standard DMPs
  - NOT a template
  - NOT a questionnaire
  - modular design
    - core set of elements
    - domain specific extensions
- **Reference implementations**
  - ready to use models
    - JSON, RDF, etc.



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Example

- Current DMPs – model questionnaires

```
<administrative_data>
    <question>Who will be the Principle Investigator?</question>
    <answer>The PI will be John Smith from our university.</answer>
</administrative_data>
```

- Machine-actionable DMPs – model information

```
"dc:creator":[ {
            "foaf:name":"John Smith",
            "@id":"orcid.org/0000-1111-2222-3333",
            "foaf:mbox":"mailto:jsmith@tuwien.ac.at",
            "madmp:institution":" AT-Vienna-University-of-Technology"
 } ],
```


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DMP Common Standards WG

- Launched in October 2017
- Result of a consultation made by Active DMPs IG
- Focus on machine-actionable DMPs
- 200 members from all continents
- DMP tool owners are part of it

https://doi.org/10.3897/rio.3.e13086

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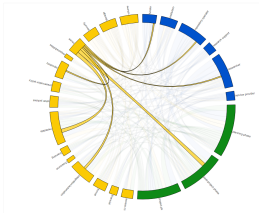
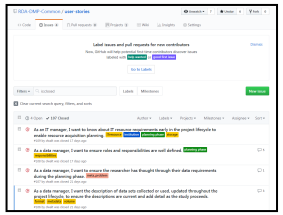
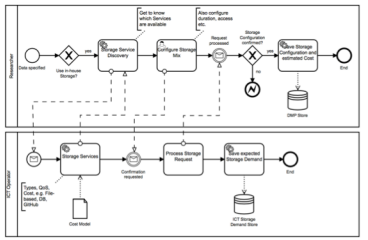
Summary of actions till now

- 1st consultation (user stories) went broad
  - to define scope of maDMPs
- 2nd consultation went deep
  - to identify models for specific requirements
- Proof of concept tools
  - to demonstrate how model can be used to automate tasks
- BPMN processes
  - to identify systems and stakeholders involved
- Model development







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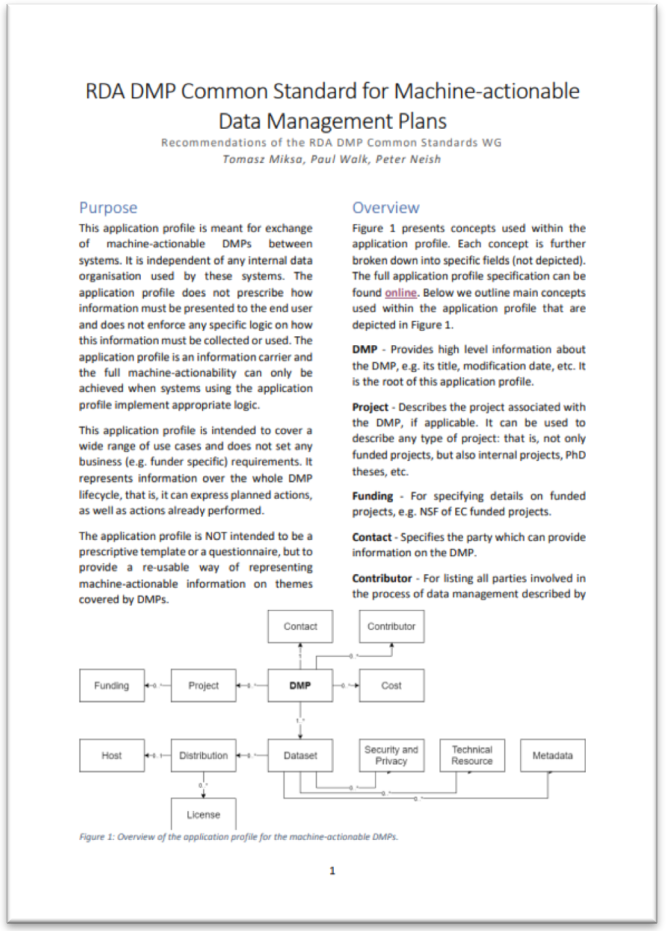
Official RDA output



RDA DMP Common Standard for Machine-actionable Data Management Plans

Recommendations of the RDA DMP Common Standards WG

Tomasz Miksa, Paul Walk, Peter Neish

Purpose

This application profile is meant for exchange of machine-actionable DMPs between systems. It is independent of any internal data organisation used by these systems. The application profile does not prescribe how information must be presented to the end user and does not enforce any specific logic on how this information must be collected or used. The application profile is an information carrier and the full machine-actionability can only be achieved when systems using the application profile implement appropriate logic.

This application profile is intended to cover a wide range of use cases and does not set any business (e.g. funder specific) requirements. It represents information over the whole DMP lifecycle, that is, it can express planned actions, as well as actions already performed.

The application profile is NOT intended to be a prescriptive template or a questionnaire, but to provide a re-usable way of representing machine-actionable information on themes covered by DMPs.

Overview

Figure 1 presents concepts used within the application profile. Each concept is further broken down into specific fields (not depicted). The full application profile specification can be found online. Below we outline main concepts used within the application profile that are depicted in Figure 1.

DMP - Provides high level information about the DMP, e.g. its title, modification date, etc. It is the root of this application profile.

Project - Describes the project associated with the DMP, if applicable. It can be used to describe any type of project: that is, not only funded projects, but also internal projects, PhD theses, etc.

Funding - For specifying details on funded projects, e.g. NSF of EC funded projects.

Contact - Specifies the party which can provide information on the DMP.

Contributor - For listing all parties involved in the process of data management described by

Figure 1: Overview of the application profile for the machine-actionable DMPs.

1

Miksa, T., Walk, P., & Neish, P. (2019). RDA DMP Common Standard for Machine-actionable Data Management Plans. https://doi.org/10.15497/rda00039

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Model - documentation

Properties in 'contact'

Name	Description	Data Type	Cardinality	Example Value
contact_id	Identifier for a contact person	String	Exactly One	http://orcid.org/0000-0000-0000-0000
mail	E-mail address	String	Exactly One	cc@example.com
name	Name of the contact person	String	Exactly One	Charlie Chaplin

Properties in 'cost'

Name	Description	Data Type	Cardinality	Example Value
currency_code	Allowed values defined by ISO 4217.	Term from Controlled Vocabulary	Zero or One	EUR
description	Description	String	Zero or One	Costs for maintaining....
title	Title	String	Exactly One	Storage and backup
type	Type	Term from Controlled Vocabulary	Zero or One	
value	Value	Number	Zero or One	1000

https://github.com/RDA-DMP-Common/RDA-DMP-Common-Standard/blob/master/docs/index.md

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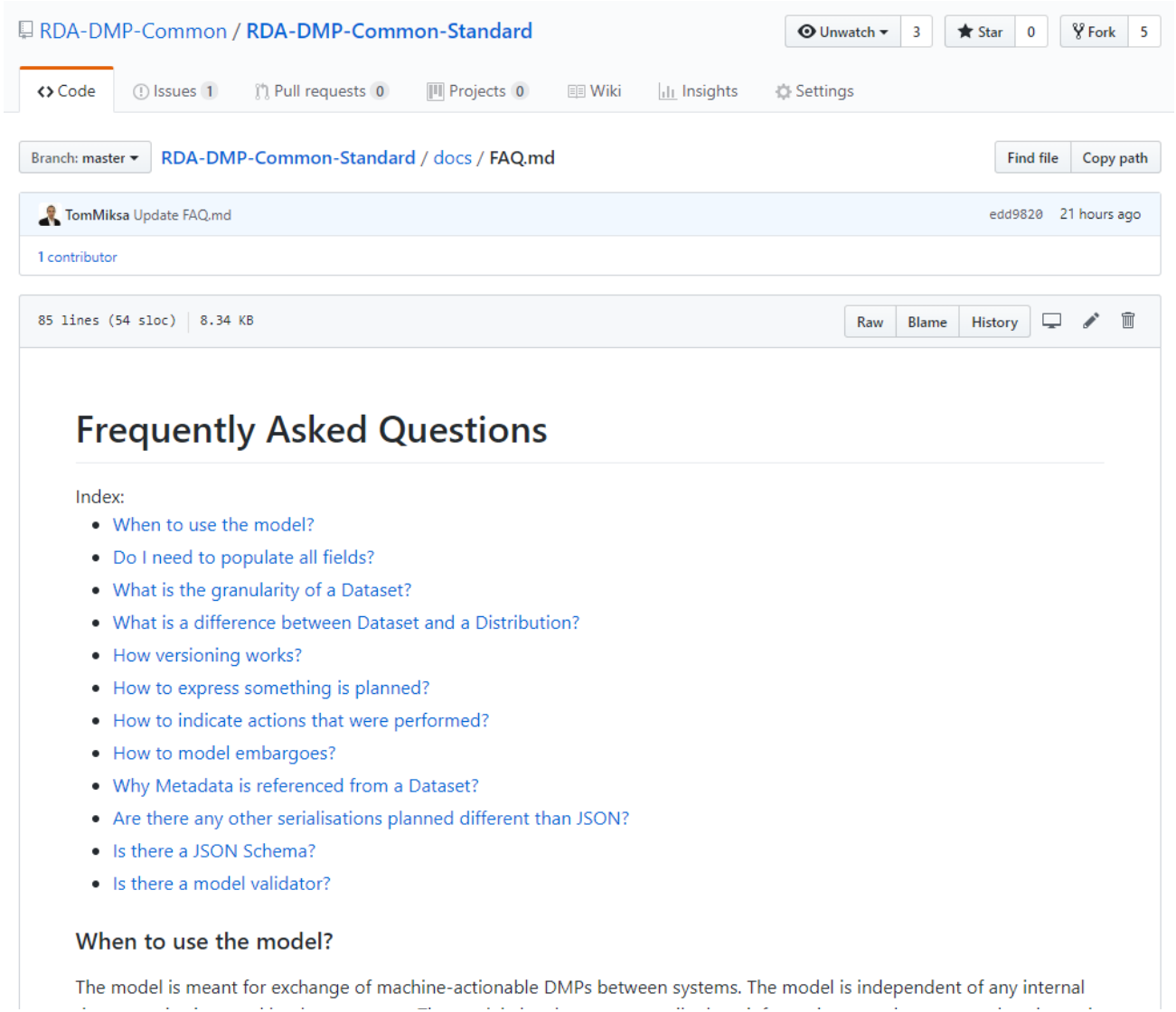
Model – FAQ



RDA-DMP-Common / RDA-DMP-Common-Standard

Unwatch 3 | Star 0 | Fork 5

Code | Issues 1 | Pull requests 0 | Projects 0 | Wiki | Insights | Settings

Branch: master ▾ RDA-DMP-Common-Standard / docs / FAQ.md — Find file | Copy path

TomMiksa Update FAQ.md — edd9820 21 hours ago

1 contributor

85 lines (54 sloc) | 8.34 KB — Raw | Blame | History

Frequently Asked Questions

Index:

- When to use the model?
- Do I need to populate all fields?
- What is the granularity of a Dataset?
- What is a difference between Dataset and a Distribution?
- How versioning works?
- How to express something is planned?
- How to indicate actions that were performed?
- How to model embargoes?
- Why Metadata is referenced from a Dataset?
- Are there any other serialisations planned different than JSON?
- Is there a JSON Schema?
- Is there a model validator?

When to use the model?

The model is meant for exchange of machine-actionable DMPs between systems. The model is independent of any internal

https://github.com/RDA-DMP-Common/RDA-DMP-Common-Standard/blob/master/docs/FAQ.md

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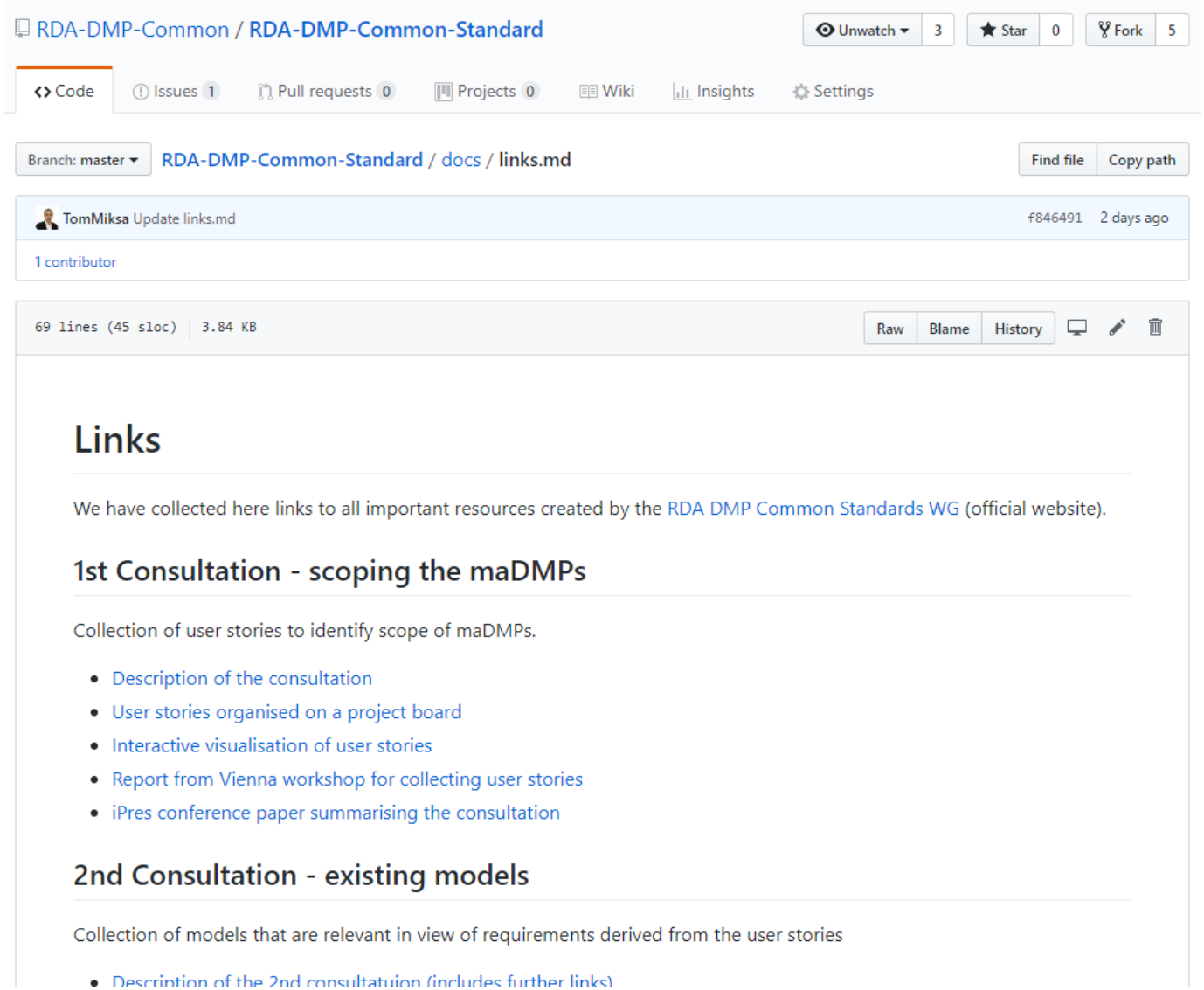
Model – useful links



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Code | Issues 1 | Pull requests 0 | Projects 0 | Wiki | Insights | Settings

Branch: master ▾ RDA-DMP-Common-Standard / docs / links.md — Find file | Copy path

TomMiksa Update links.md — f846491 — 2 days ago

1 contributor

69 lines (45 sloc) | 3.84 KB — Raw | Blame | History

Links

We have collected here links to all important resources created by the RDA DMP Common Standards WG (official website).

1st Consultation - scoping the maDMPs

Collection of user stories to identify scope of maDMPs.

- Description of the consultation
- User stories organised on a project board
- Interactive visualisation of user stories
- Report from Vienna workshop for collecting user stories
- iPres conference paper summarising the consultation

2nd Consultation - existing models

Collection of models that are relevant in view of requirements derived from the user stories

- Description of the 2nd consultatuion (includes further links)

https://github.com/RDA-DMP-Common/RDA-DMP-Common-Standard/blob/master/docs/links.md

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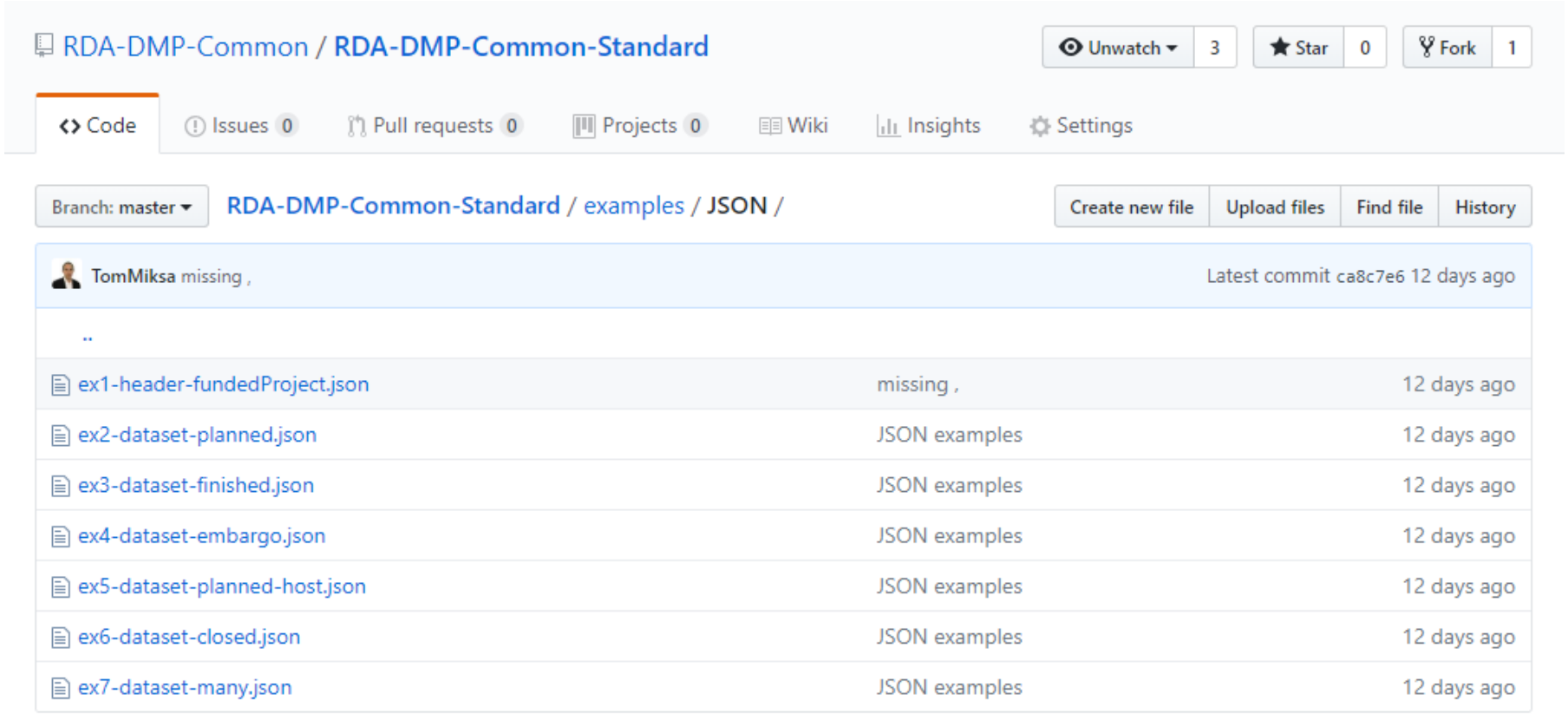
Model – JSON examples



https://github.com/RDA-DMP-Common/RDA-DMP-Common-Standard/tree/master/examples/JSON

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Minimal maDMP

32 lines (32 sloc) | 679 Bytes

```
{
        "dmp": {
                "title": "Minimal DMP",
                "contact": {
                        "contact_id": {
                                "identifier": "http://orcid.org/0000-0000-0000-0000",
                                "type": "orcid"
                        },
                        "mbox": "cc@example.com",
                        "name": "Charlie Chaplin"
                },
                "created": "2018-07-23T10:10:23.6",
                "dmp_id": {
                        "identifier": "https://doi.org/10.0000/00.0.1234",
                        "type": "doi"
                },
                "dataset": [
                        {
                                "dataset_id": {
                                        "identifier": "https://doi.org/10.0000/00.0.5678",
                                        "type": "doi"
                                },
                                "title": "Placeholder dataset",
                                "personal_data": "unknown",
                                "sensitive_data": "unknown"
                        }
                ],
                "ethical_issues_exist": "unknown",
                "language": "eng",
                "modified": "2019-02-06T15:30:42.1"
        }
}
```


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(Pending) adoptions

- **DMP Online** by Digital Curation Centre (DCC) in the UK
- **DMP Tool** by California Digital Library (CDL) in the US
- **DMP OPIDoR** by Centre national de la recherche scientifique (CNRS) in France
- **RDMO** by Leibniz-Institut für Astrophysik Potsdam in Germany
- **Data Stewardship Wizzard** by Elixir research infrastructure in the EU
- **Argos** - OpenDMP by OpenAIRE and EUDAT research infrastructures in the EU
- **F1000Research** open research publisher in the UK
- **NSD DMP** in Norway
- **Haplo** repository in the UK
- TU Wien, TU Graz, Uni Wien via **FAIR Data Austria** project
- ….

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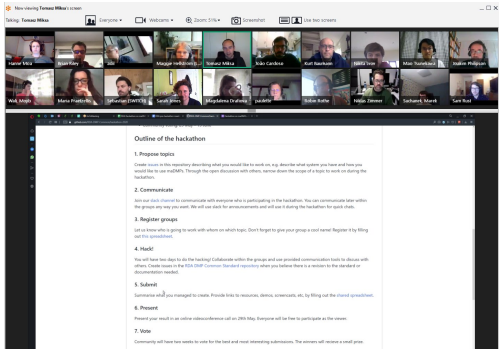
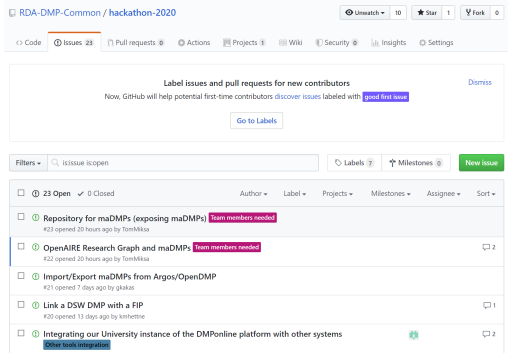
RDA Hackathon on maDMPs

- 71 participants, 12 teams, 21 countries
- Integrations, mappings, etc.
- Results
  - Reports, slides
  - Grand finale recording





https://github.com/RDA-DMP-Common/hackathon-2020

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Results of the hackathon

The **recording of the Grand Finale** session can be found here. Each of the 12 teams participating in the hackathon has summarized the results. The recording also includes live demonstrations.

Table below presents a list of teams, topics they dealt with and links to the work completed during the hackathon

Team	Topic	Links
The Unaturals	New version of the DCSO (DMP Common Standard Ontology)	DCSO Repository, Issue Document, slides
maDMP Link	Integrating a Converis CRIS/RIMS with DMPRoadmap and Export/Import maDMP from Figshare	results
DSW	Export/import of maDMPs from/to Data Stewardship Wizard	report, slides
The Datatypists	Add data types and design suppor for datasets to make EasyDMP more compatible with RDA DMP Common Standard	report, json to test imports
InsTmaDMP	Aligning institution RDM to maDMP Common Standard	results
TigTag	Mapping of maDMP standard to funder templates	report
DMP Exchange	Exchange DMPs between DMP Tools using the RDA Common Standard	report
Something	maDMP integration with project data management workflow	slides
DMP InvenioRDM	maDMP integration into InvenioRDM	results
RDMO	maDMP export from RDMO	slides
DMP Ninjas	Import/Export maDMPs from Argos/OpenDMP	results
Fancycatmeme	maDMP integration with Research Data Connectome Data Pipeline	article, slides

https://github.com/RDA-DMP-Common/hackathon-2020/blob/master/results.md

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Staying in touch

- Active Data Management Plans IG
  - Umbrella group
  - Place to bring your new ideas!
- Exposing Data Management Plans WG
  - Opening DMPs for public
  - Use cases for sharing DMPs
- DMP Common Standards WG
  - Standard specific discussion
  - Adoptions of the standard

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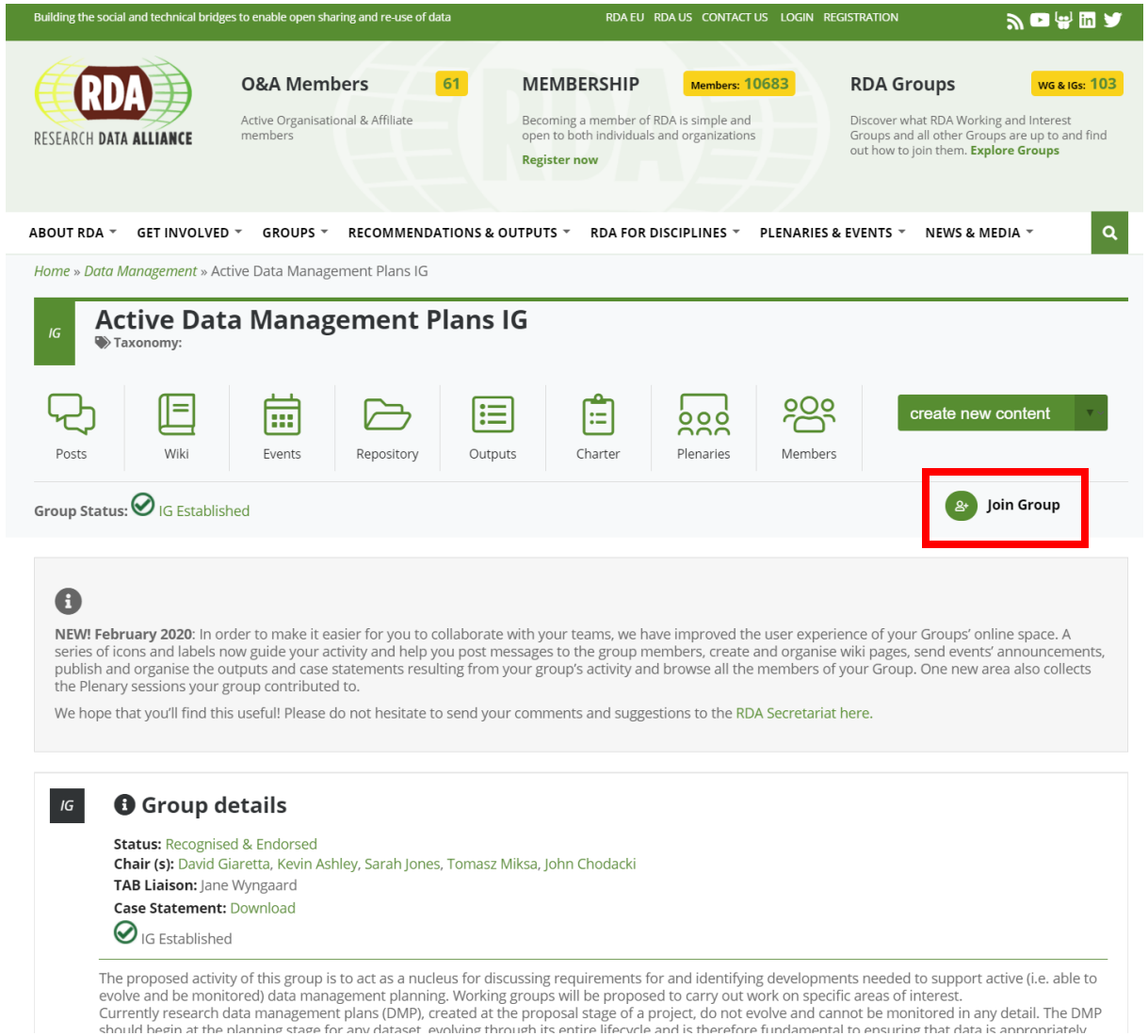
Join groups now!



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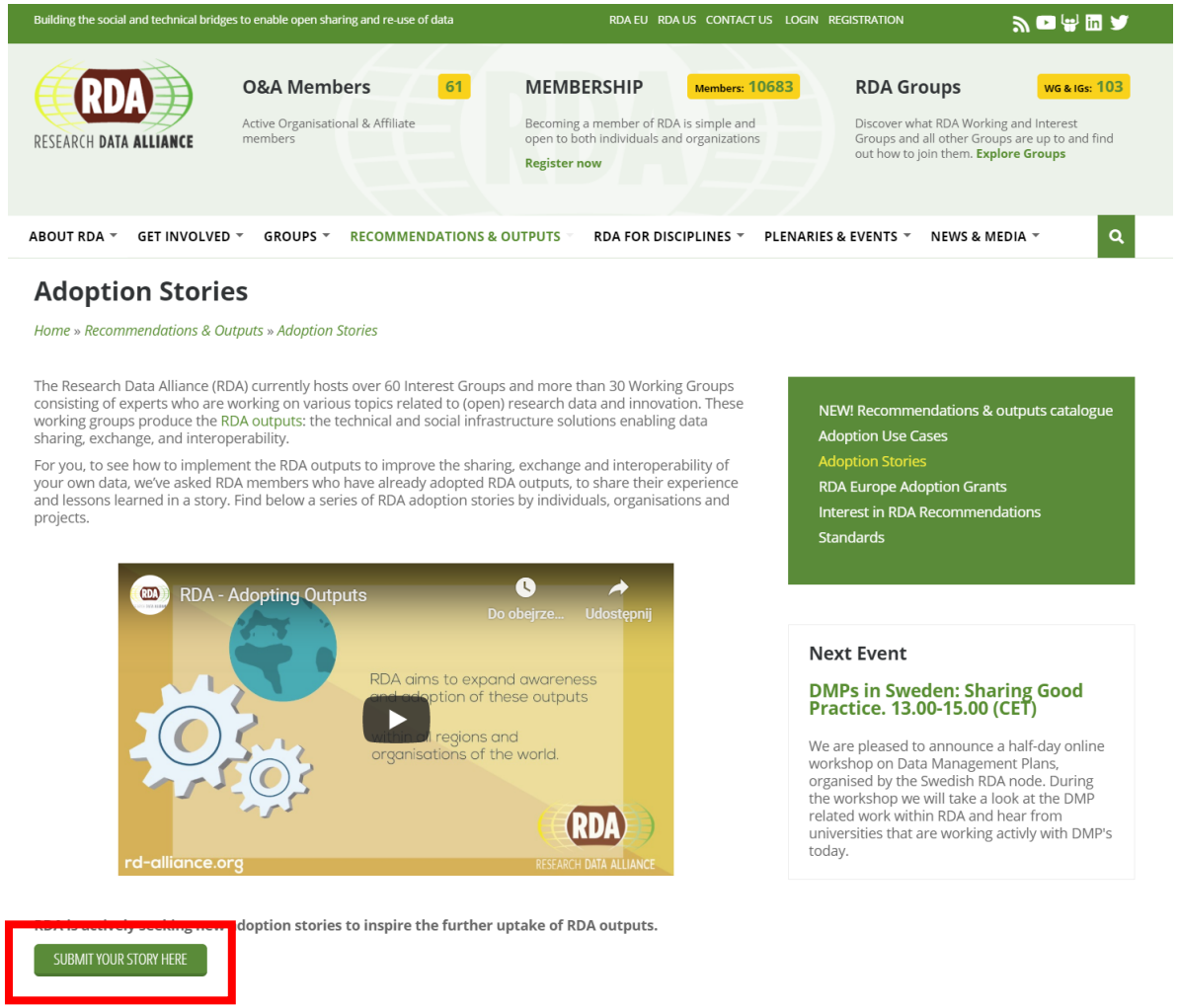
Adopt RDA recommendations!



https://www.rd-alliance.org/recommendations-outputs/adoption-stories

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Publications

- Tomasz Miksa, Stephanie Simms, Daniel Mietchen, Sarah Jones (2019) **Ten principles for machine-actionable data management plans**. PLOS Computational Biology 15(3): e1006750.

- Tomasz Miksa, Peter Neish, Paul Walk, Andreas Rauber: **Defining requirements for machine-actionable Data Management Plans**. iPres 2018

- Tomasz Miksa, João Cardoso, José Luis Borbinha: **Framing the scope of the common data model for machine-actionable Data Management Plans**. BigData 2018: 2733-2742

- Asztrik Bakos, Tomasz Miksa, Andreas Rauber: **Research Data Preservation Using Process Engines and Machine-Actionable Data Management Plans**. TPDL 2018: 69-80

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Thank you!

- Standard specification
  - https://github.com/RDA-DMP-Common/RDA-DMP-Common-Standard
- Participate in model adoption!
- Contact group chairs
  - Questions
  - Ideas
  - Success stories

Tomasz Miksa

Paul Walk

Peter Neish

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Questions?

Toward FAIR Data Workflows with SEAGrid and RPID

Rob Quick, Yu Luo, and Guangchen Ruan

Cyberinfrastructure Integration Research Center

Pervasive Technology Institute

Indiana University

rquick@iu.edu

Scenarios

- Researcher uses a Science Gateway to do research
  - They are concerned the digital objects they use and produce are aligned with FAIR principles
  - They want the research to be reproducible beyond the Science Gateway environment
  - Share the steps used (not just the data) to calculate the results simply and easily within a publication or with collaborators
  - Reuse a workflow with ‘tweaks’ without having to recreate the entire computational workflow

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FAIR PRINCIPLES

Findable

F1. (meta)data are assigned a globally unique and persistent identifier;
F2. data are described with rich metadata
F3. metadata clearly and explicitly include the identifier of the data it describes;
F4. (meta)data are registered or indexed in a searchable resource;

Accessible

A1. (meta)data are retrievable by their identifier using a standardised communications protocol;
- A1.1. the protocol is open, free and universally implementable;
- A1.2. the protocol allows for an authentication and authorisation procedure, where necessary;

A2. Metadata are accessible, even when the data are no longer available;

Interoperable

I1. (meta)data use a formal, accessible, shared and broadly applicable language for knowledge representation;
I2. (meta)data use vocabularies that follow FAIR principles;
I3. (meta)data include qualified references to other (meta)data;

Reusable

R1. (meta)data are richly described with a plurality of accurate and relevant attributes;
- R1.1. (meta)data are released with a clear and accessible data usage license;
- R1.2. (meta)data are associated with detailed provenance;
- R1.3. (meta)data meet domain-relevant community standards;

Slide provided by Luiz Bonino

CC BY

DOI: 10.1038/sdata.2016.18

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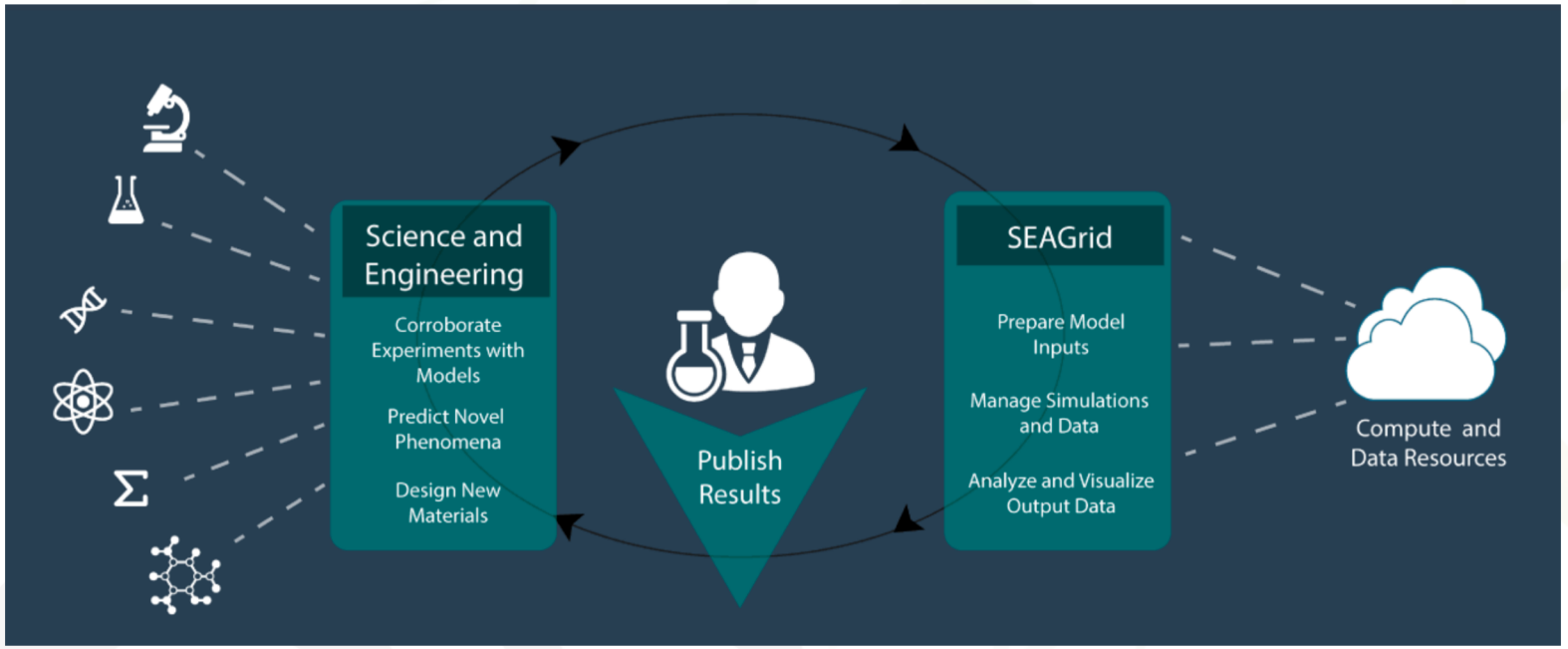
What is SEAGrid?

- Science and Engineering Application Grid
- Science Gateway built with Apache Airavata Middleware Framework
- This adoption centered on small molecules and fluorescent properties



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What is the RPID Testbed?

- Data cyberinfrastructure for minting PIDs, resolution of PID metadata, data type registry, and protocol for operations on digital objects
- Basically the cyberinfrastructure to implement technical components of FAIR principles
- Services leverage several RDA Outputs and Recommendations
  - PID Kernel Information Strawman Profile
  - Data Type Registry
  - Heavily leverages work done in the Data Fabric WG
- NSF Funded Testbed (Grant No. 1839013)
- More at https://rpidproject.github.io/rpid/

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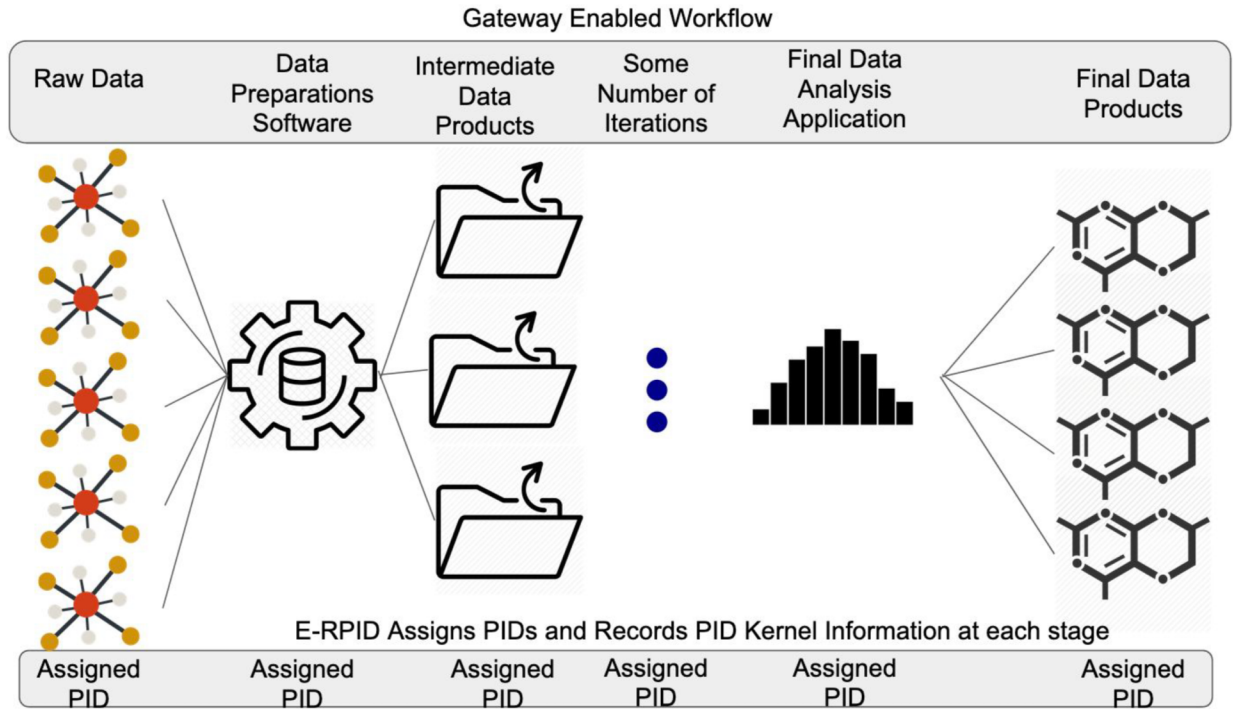
The RDA Adoption Project

- 6-Month project funded by RDA-US
- Integrates SEAGrid with ERPID Services to provide a FAIR Science Gateways



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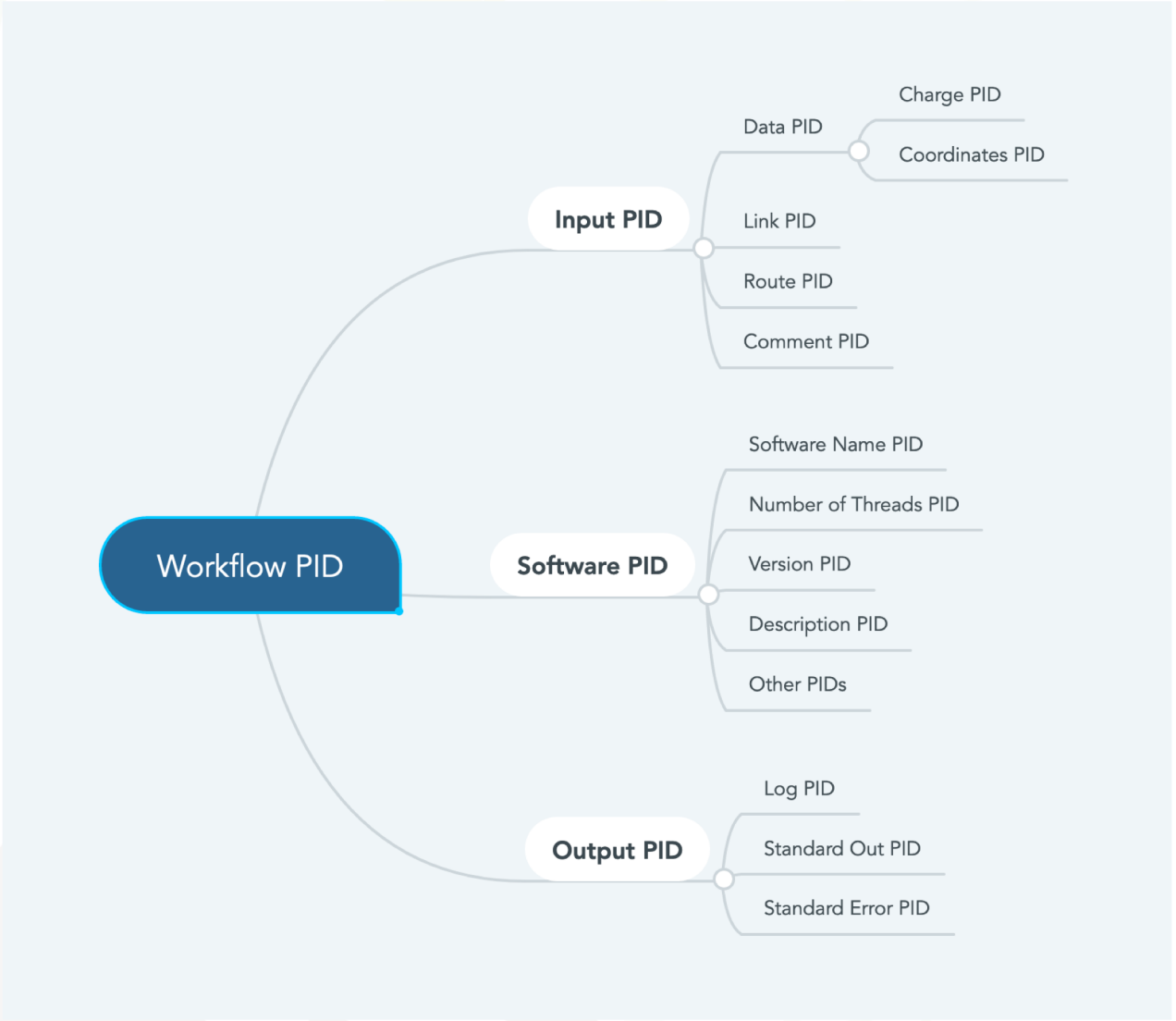
Workflow PID
Input PID
Data PID
Charge PID
Coordinates PID
Link PID
Route PID
Comment PID
Software PID
Software Name PID
Number of Threads PID
Version PID
Description PID
Other PIDs
Output PID
Log PID
Standard Out PID
Standard Error PID

A quick demo of SEAGrid

- https://rpid.seagrid.org if time allows.

- If there's not time for a demo go to http://hdl.handle.net/11723/SEAGrid.96f51339-8bfe-4b69-a11e-597f21f31ddb and explore.

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Conclusion

- SEAgrid has been integrated with the RPID testbed services to implement FAIR science workflows
  - We are currently exercising the integrated system and considering publishing run results to a public fluorophores data repository
- Workflow PIDs describe the components of computational processes used during a scientific workflow
- With the PID you could recreate the entire computation workflow
  - Though in the real world you would probably not recreate it in its entirety
  - A realistic scenario would be to mix new or updated data, software, or parameters into a previously used workflow method
  - No access to SEAGrid is necessary to get the metadata necessary for this scenario
- Directly impacts the FAI principles, not as much for the R
- Is extendable in both metadata and to other Airavata based science gateways
- This project leverages outputs and resources made available by the RDA Community

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Questions?

RESEARCH DATA ALLIANCE

Monday 15th June

14:00 UTC & 23:00 UTC

Data Management

Develop best practices and tools for non-static, machine-readable data management plans which can evolve throughout the research data lifecycle, as well as be machine-readable by collaborators and stored with the data.

23 Things Revisited: Field guides to research data management, an adoption project

Mijke Jetten, Cees Hof & Margriet Miedema

Representing the 23 Things task group of the (Dutch) National Coordination Point Research Data Management (LCRDM)

Recommendations & Outputs Catalogue short-link: **https://bit.ly/2UhOxyH**

National Coordination Point Research Data Management

Adopting the 23 Things by the Dutch community

What? Creating versions of the 23 Things for different audiences, by the Dutch community

Why? 23 Things as a shared reference tool for knowledge on RDM. Improving national cooperation, and a common understanding of RDM among diverse practitioners and supporters

How? For this RDA adoption grant, a LCRDM task group generates four deliverables between June ‘19 and July ‘20

Today's session

1. Summary of the project
2. Showcase: 23 Things tool
3. How can you contribute, as a potential future adopter

RESEARCH DATA ALLIANCE

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 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/RDAthing1
2. Relevant concepts are presented and mapped in the **e-Science Thesaurus**, http://bit.ly/RDAthing2
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/RDAthing10

Data Management Plans
Librarians are becoming familiar with funder requirements and consulting with researchers to help them write and implement effective data management plans.

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/RDAthing11

The original 23 Things was created by the RDA Libraries for Research Data IG

Recommendations & Outputs Catalogue short-link: **https://bit.ly/2UhOxyH**

National Coordination Point Research Data Management

The process….

Phase 1

Creating a Dutch nationwide commitment

The project's implementation plan is shared in the LCRDM pool of experts and other Dutch stakeholder groups on data management.

Deliverable:
doi.org/10.5281/zenodo.3337870

https://doi.org/10.5281/zenodo.3337870

Recommendations & Outputs Catalogue short-link: **https://bit.ly/2UhOxyH**

National Coordination Point Research Data Management

The process….

Phase 2

Adjusting the 23 Things

We started creating local versions of the 23 Things for the Dutch community. Via joint sprint sessions, the original resource is being updated and adapted to the Dutch community, and different audiences.

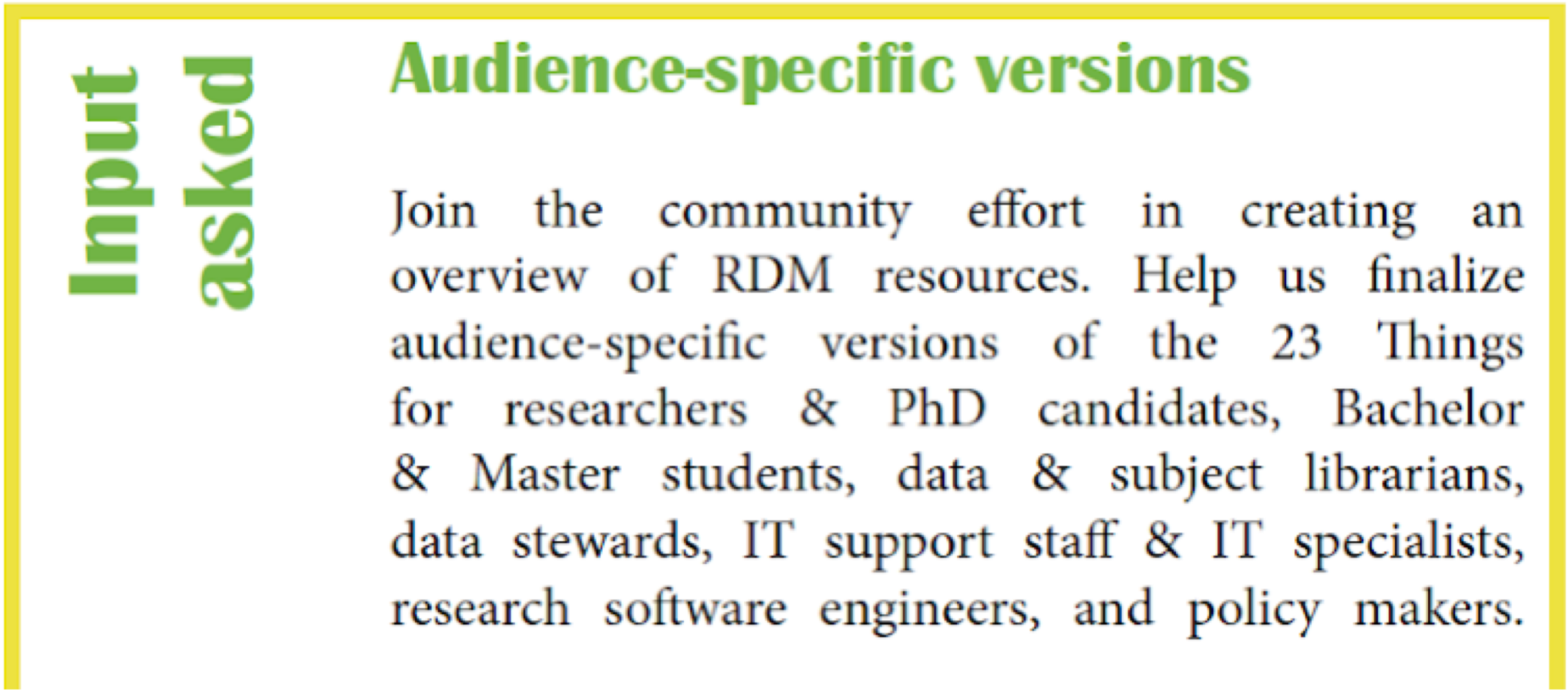
Deliverable:
doi.org/10.5281/zenodo.3465895

https://doi.org/10.5281/zenodo.3465895

Recommendations & Outputs Catalogue short-link: **https://bit.ly/2UhOxyH**

National Coordination Point Research Data Management

The process….



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

Recommendations & Outputs Catalogue short-link: **https://bit.ly/2UhOxyH**

National Coordination Point
Research Data Management

The process….

Phase 3

Getting the 23 Things adopted

Particularly in training, the 23 Things are expected to be useful, as it may help creating a consensus on the content of RDM courses in the Netherlands. One way of doing this is by developing an online tool for browsing the various audience-versions of the 23 Things.

Deliverable:
Recommendations for use of the 23 Things

Recommendations & Outputs Catalogue short-link: **https://bit.ly/2UhOxyH**

National Coordination Point
Research Data Management

The process….

Phase 4

Dissemination of experiences and final versions

The project will be promoted via blogs, webinars, conferences and an article in an international data journal. All materials and outputs (including sharing our experiences to allow others to follow in our footsteps) will be published on Zenodo.

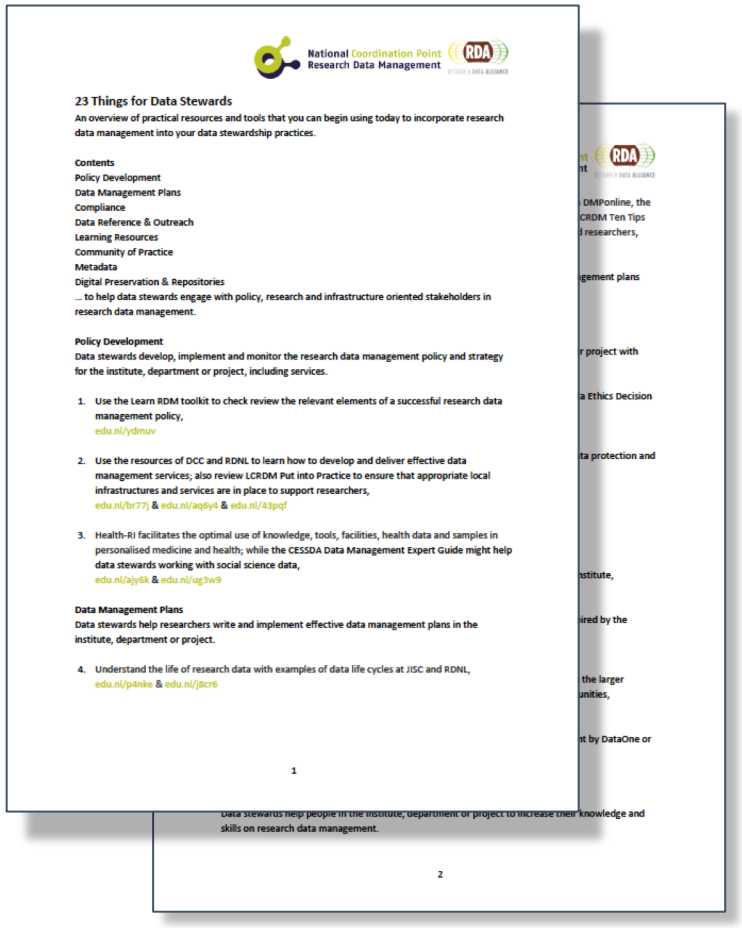
Deliverable:
Sustainability plan

Recommendations & Outputs Catalogue short-link: **https://bit.ly/2UhOxyH**

National Coordination Point Research Data Management

RESEARCH DATA ALLIANCE

The output….



Digital sheets for training purposes

- Things for researchers & PhD candidates
- Things for Bachelor & Master students
- Things for data & subject librarians
- Things for data stewards
- Things for IT support staff & IT specialists
- Things for research software engineers
- Things for policy makers

- Things for Research Data

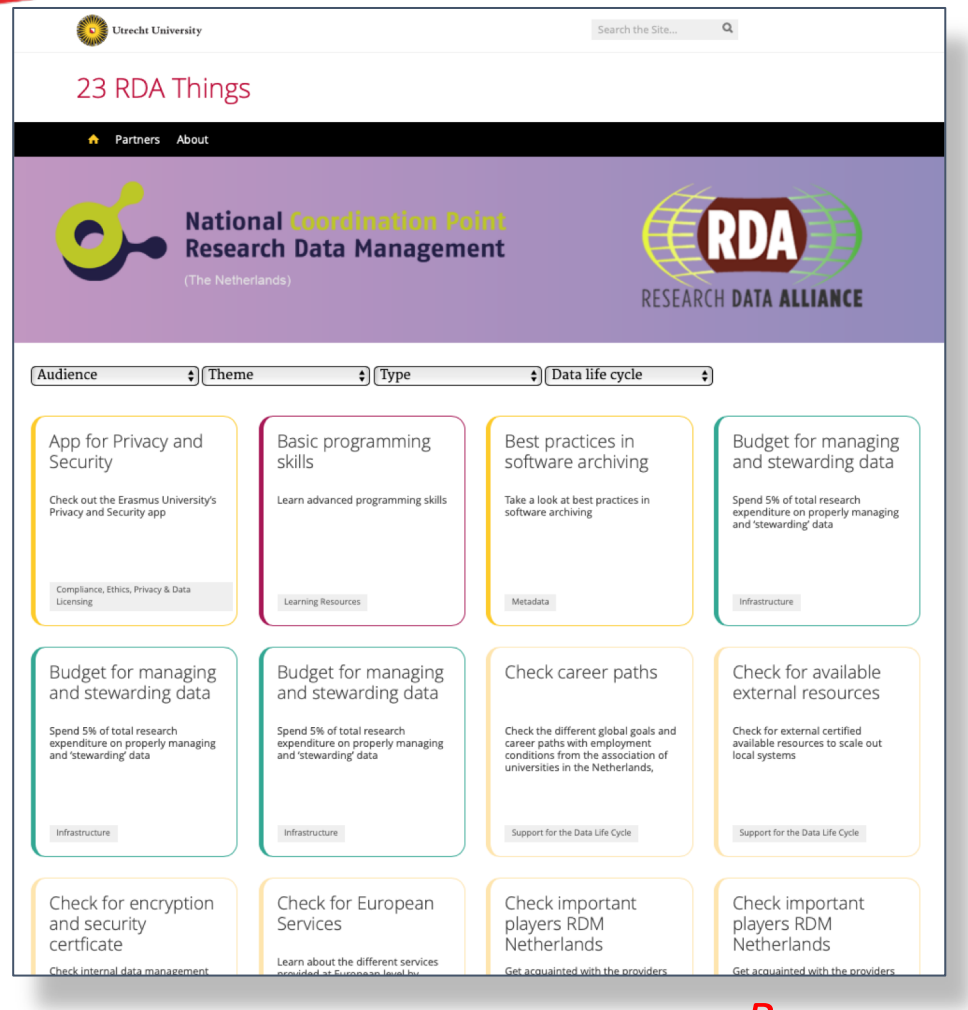
https://doi.org/10.5281/zenodo.3773663

Recommendations & Outputs Catalogue short-link: **https://bit.ly/2UhOxyH**

National Coordination Point Research Data Management

The output….

Interactive site & underlying database!



Filter by:

Audience (7 options)
Theme (16 options)
Type (13 options)
Data life cycle (11 options)

Work in progress

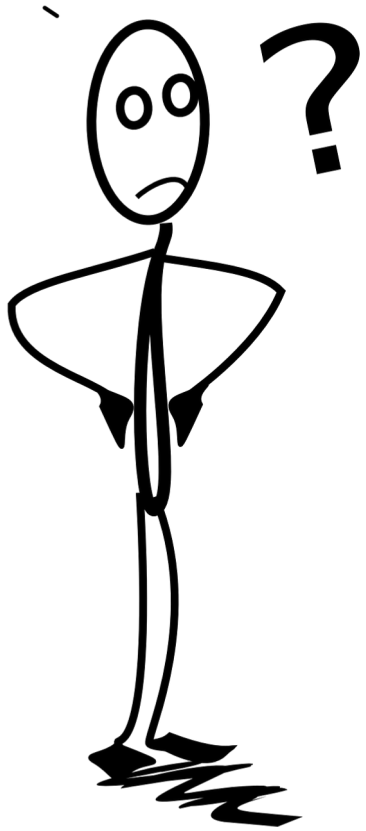
https://23things.sites.uu.nl (beta)

Recommendations & Outputs Catalogue short-link: **https://bit.ly/2UhOxyH**

National Coordination Point Research Data Management

Using the database!

A user story….



Boris:

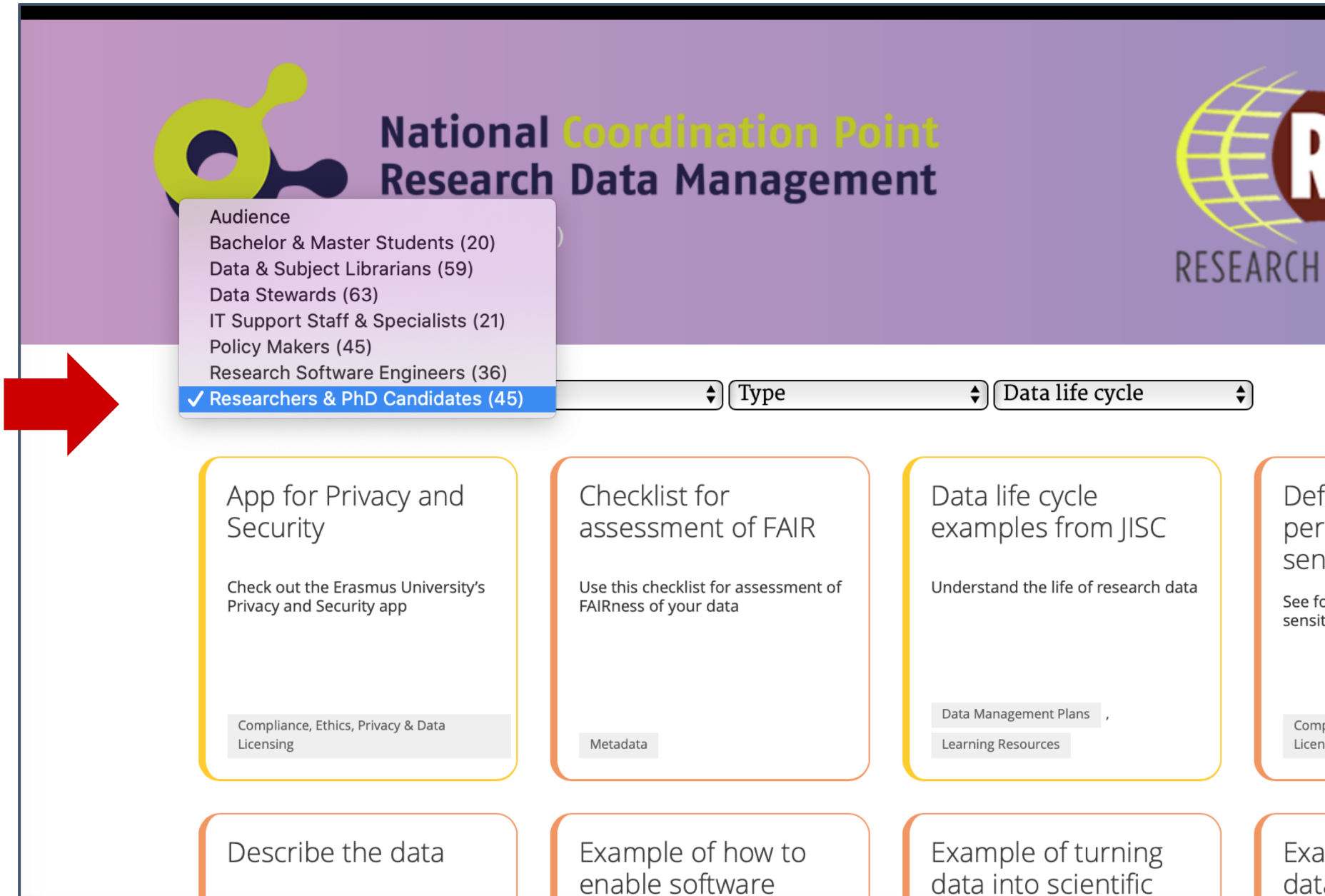
1) Is a postdoctoral researcher at the TU Delft
2) Has shared his code with one of his PhD students
3) She asked him how she should cite his code/software in her thesis?

Recommendations & Outputs Catalogue short-link: **https://bit.ly/2UhOxyH**

RESEARCH DATA ALLIANCE

National Coordination Point
Research Data Management

Boris selects his audience...



RESEARCH DATA ALLIANCE

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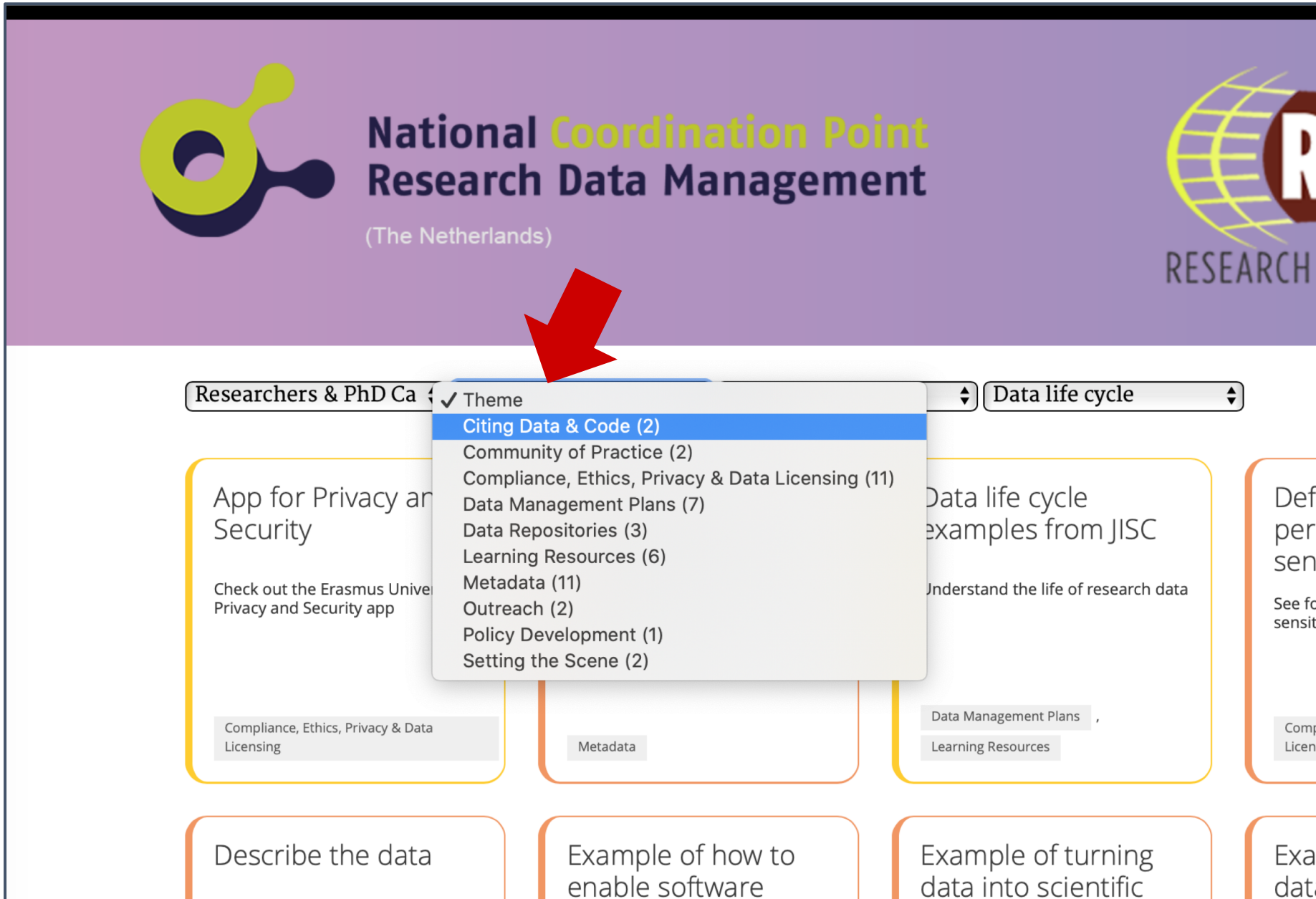
Research Data Management

Boris selects his theme...



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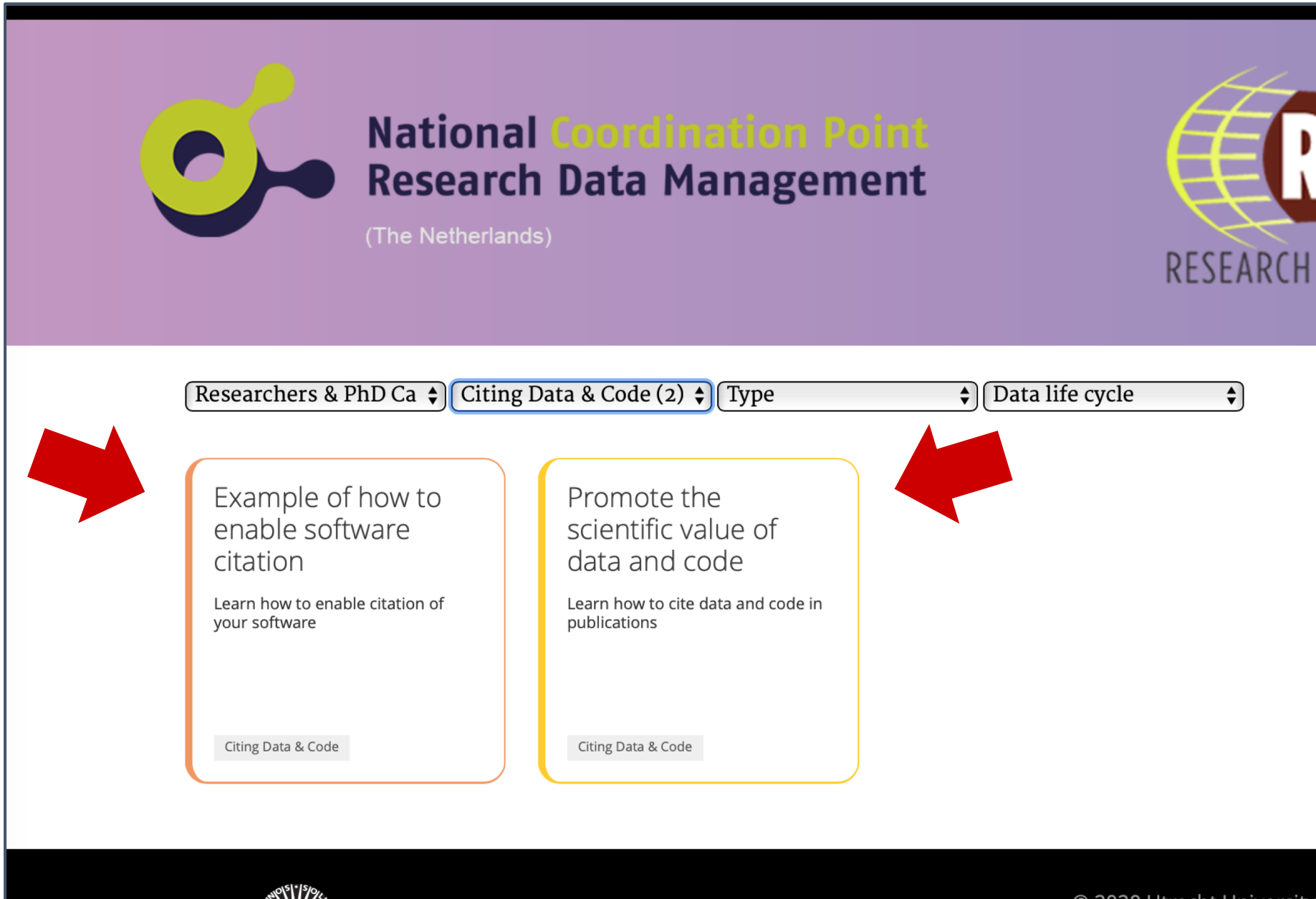
Research Data Management

Boris gets two possible solutions...



National Coordination Point
Research Data Management

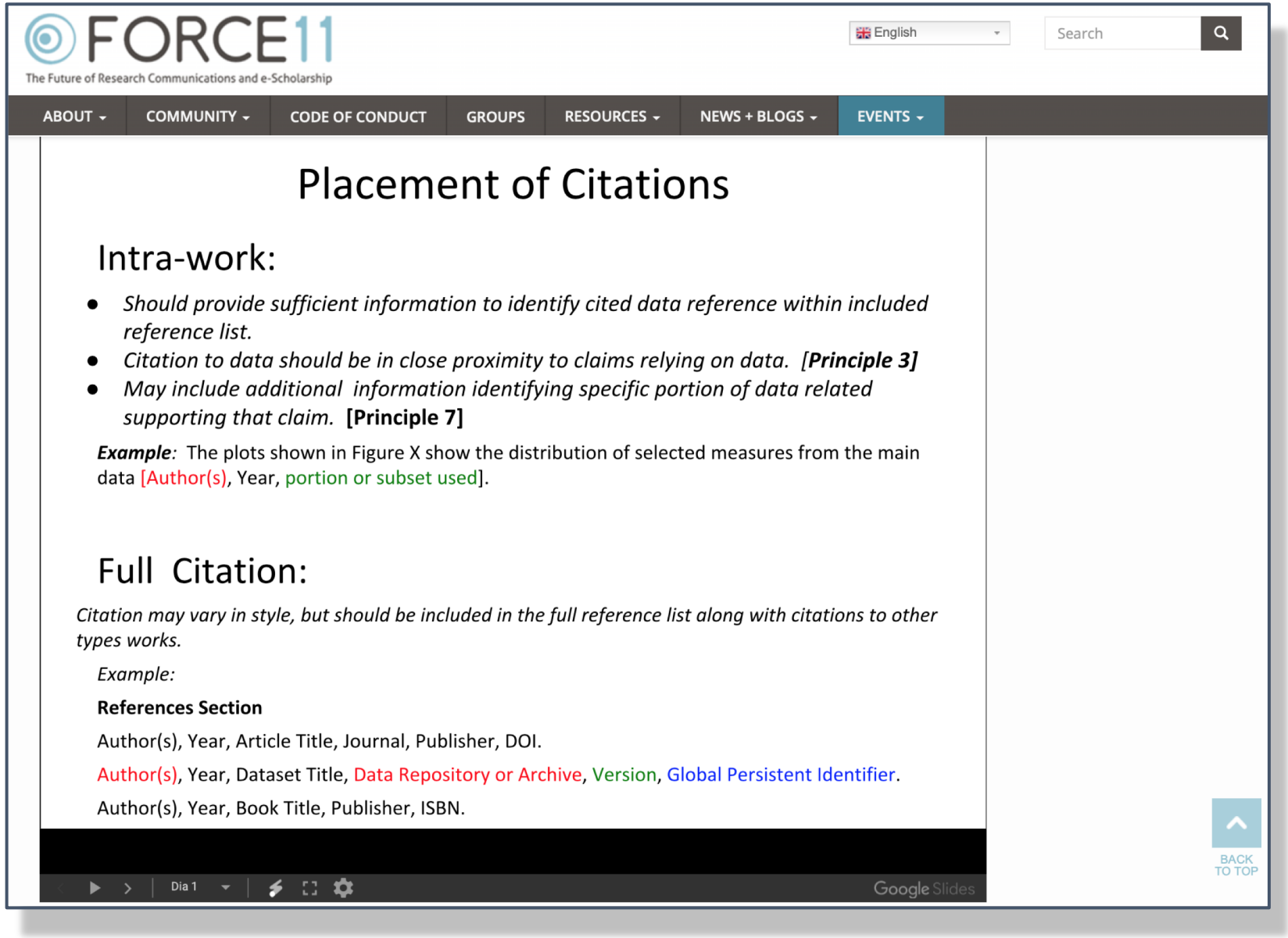
Boris gets where he wants to be...

FAIR Software Route
https://fair-software.eu

National Coordination Point
Research Data Management

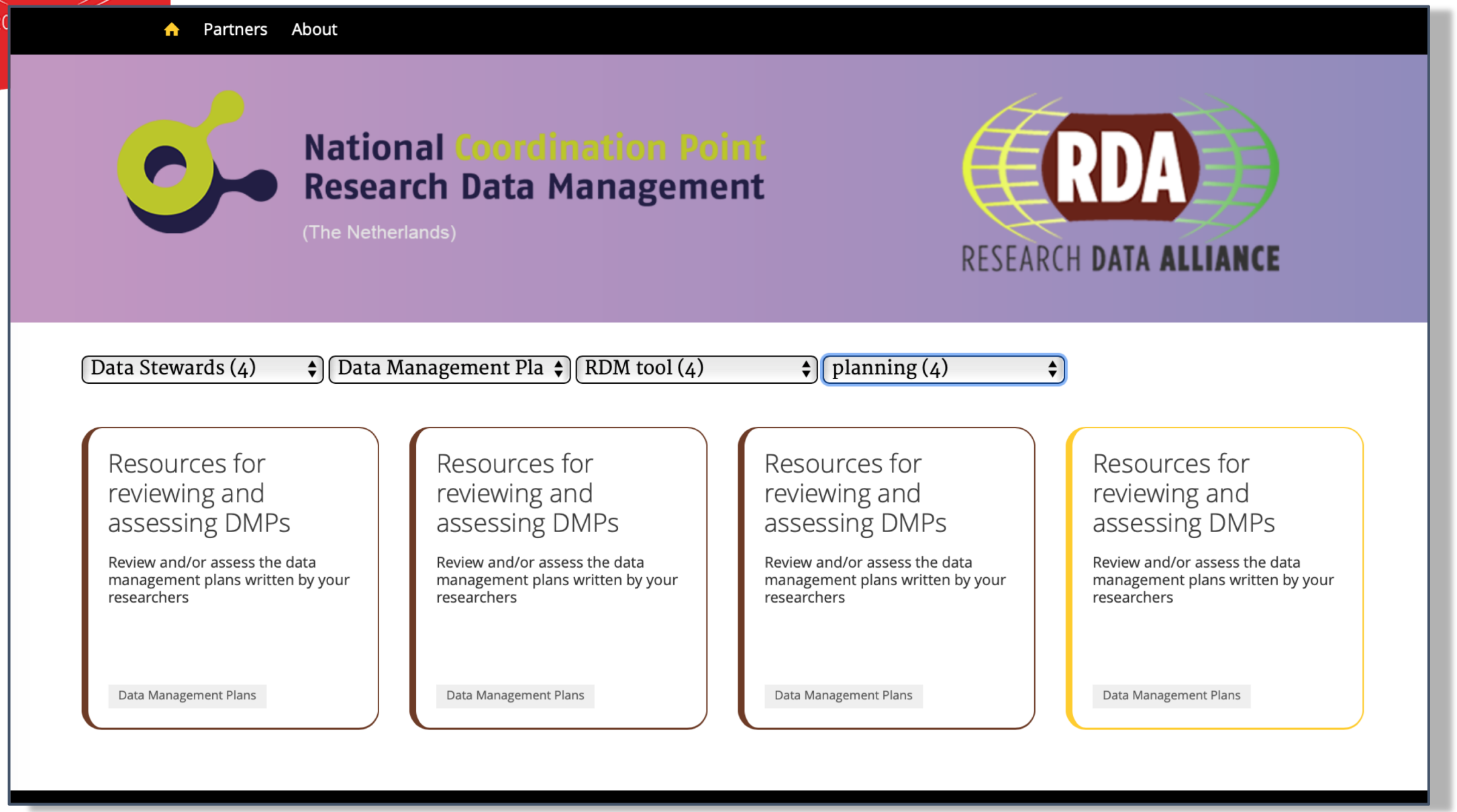
Boris gets where he wants to be...

Force11 Slide Deck on citation
https://www.force11.org

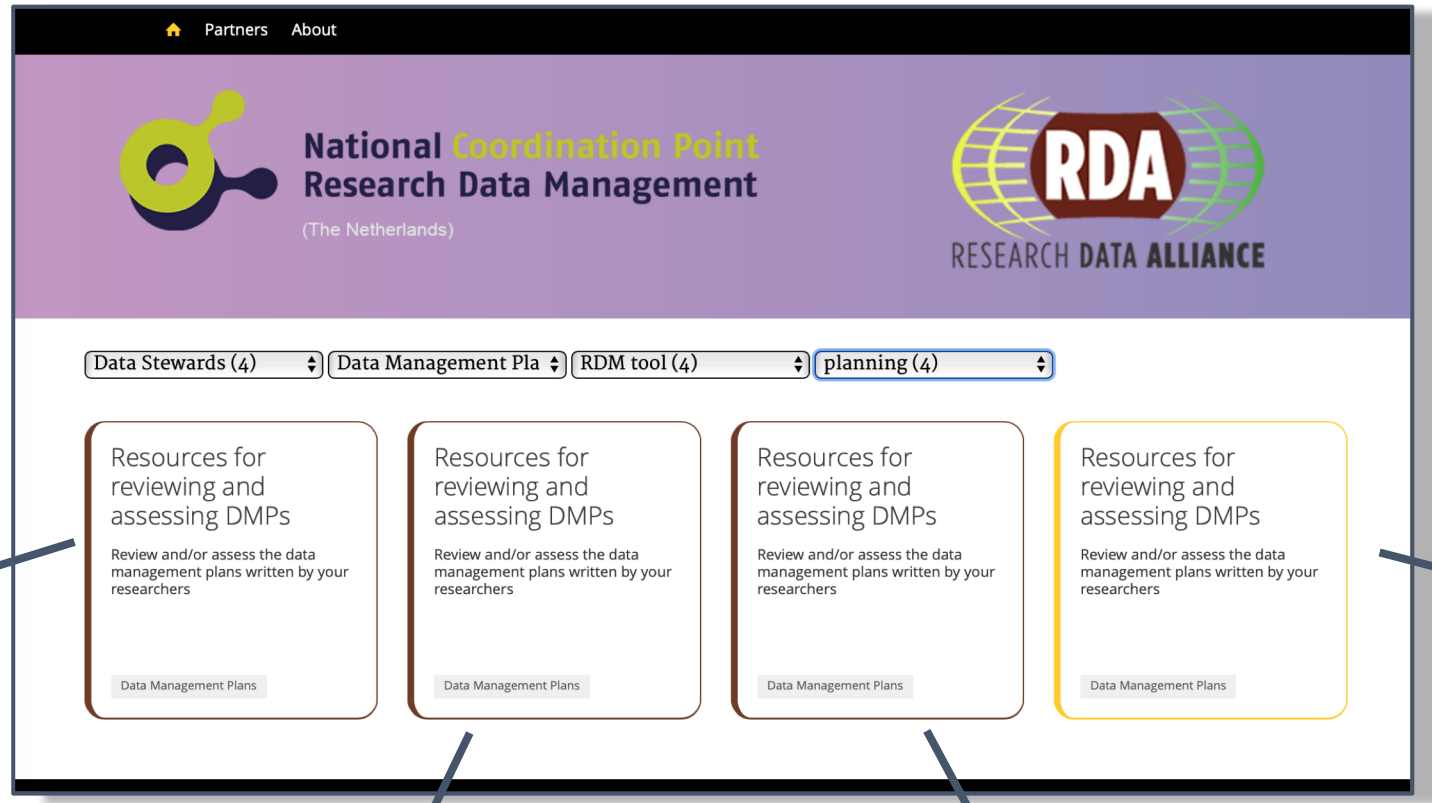


National Coordination Point Research Data Management

Design your own learning path!



Design your own learning path!



Purdue University Libraries

Data Management Plan Self-Assessment Questionnaire

Guidance for Review of Data Management Plans

PRACTICAL GUIDE TO **THE INTERNATIONAL ALIGNMENT OF RESEARCH DATA MANAGEMENT**

NWO DMP assessment rubric

Monday 15th June

14:00 UTC & 23:00 UTC

Data Management

Develop best practices and tools for non-static, machine-readable data management plans which can evolve throughout the research data lifecycle, as well as be machine-readable by collaborators and stored with the data.

23 Things Revisited: Field guides to research data management, an adoption project

Work in progress

Remarks, suggestions, additions?

Want to add your own Things to the tool?

Please mail: info@lcrdm.nl

TIME FOR QUESTIONS!

Recommendations & Outputs Catalogue short-link: **https://bit.ly/2UhOxyH**

Questions?

Recommendations and outputs catalogue

- RDA Outputs are classified as **RDA Recommendations** *(official, endorsed results of RDA Groups),* **Supporting Outputs** *(useful solutions from our RDA Working and Interest Groups)* or **other Outputs**
- **They can be searched according to their status, Data Life Cycle topics or scientific domain**

rd-alliance.org/recommendations-and-outputs/catalogue

Tell your adoption story!

- **Are you an adopter?** RDA is actively seeking new adoption stories to inspire the further uptake of RDA outputs.
- **Submit your story here:** https://www.rd-alliance.org/tell-your-rda-adoption-story

Call for papers: CODATA Data Science Journal

- CODATA Data Science Journal: https://datascience.codata.org/

- **RDA special collection:**
  - Results produced by an IG or WG;
  - Description of an Adoption Case outlining how a specific recommendation or output has been implemented;
  - Other types of work related to RDA activities.
- https://datascience.codata.org/collections/special/research-data-alliance-results/

- RDA Europe 4.0 has funds available for the publication of articles in DSJ
- Open to all interested applicants regardless of their geographical provenance.

- **Deadline 17 July 2020**

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Global Adoption Week schedule

Day & Topic	Sessions
Monday, 15th June 2020 - Data Management	14:00 UTC + 23:00 UTC
Tuesday, 16th June 2020 - Data Description	06:00 UTC + 14:00 UTC
Wednesday, 17th June 2020 - Identify, Store and Preserve	07:00 UTC + 14:00 UTC
Thursday, 18th June 2020 - Disseminate, Link and Find	07:00 UTC + 12:00 UTC
Friday, 19th June 2020 - Policy, Legal Compliance and Capacity	05:00 UTC + 13:00 UTC

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