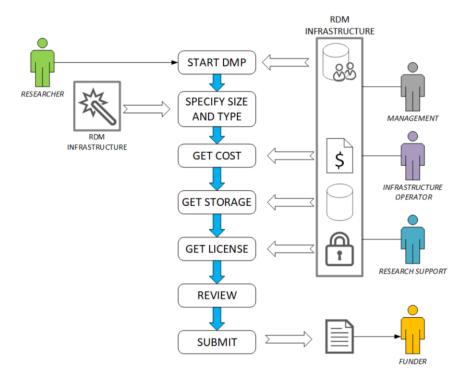
Machine-actionable DMP application (DMap)

RDA 14th plenary, Helsinki





Automated DMP workflow



Source: Tomasz Miksa, Peter Neish, Paul Walk, & Andreas Rauber. (2018). Defining requirements for machine-actionable Data Management Plans (Version preprint). Zenodo. http://doi.org/10.5281/zenodo.1266211

Research prototype & demo tool



https://github.com/oblassers/dmap

- automation & system integration
- developed using stakeholder feedback on graphical mockups
- first tool to support RDA DMP Common Standard

Welcome to DMap

The Machine-actionable Data Management planning application

DMap assists you in creating Data Management Plans (DMPs) for your research projects.



10.02.2019 08:13:24

15.02.2019 19:54:21

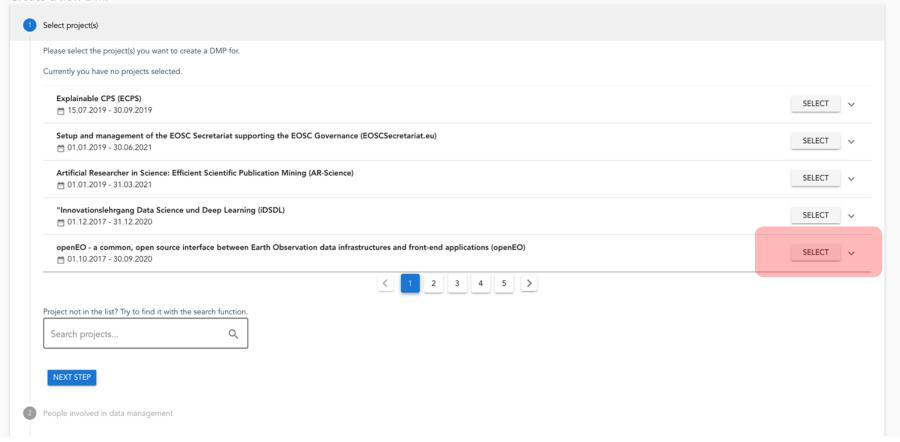
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7001

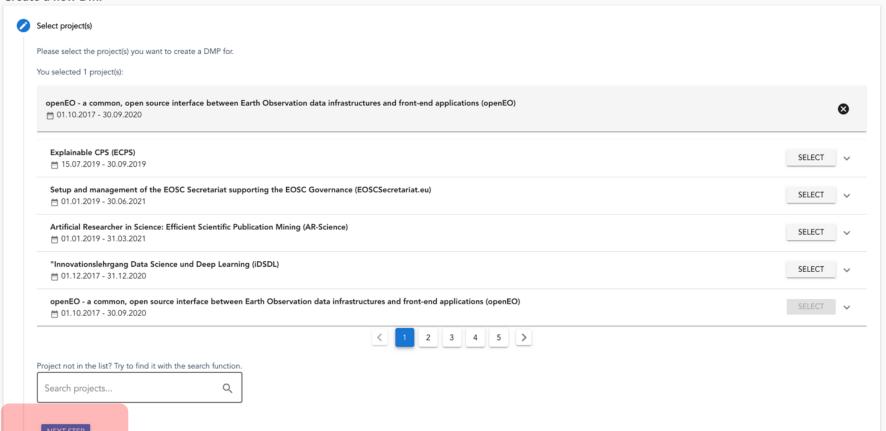
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Bruce Wayne

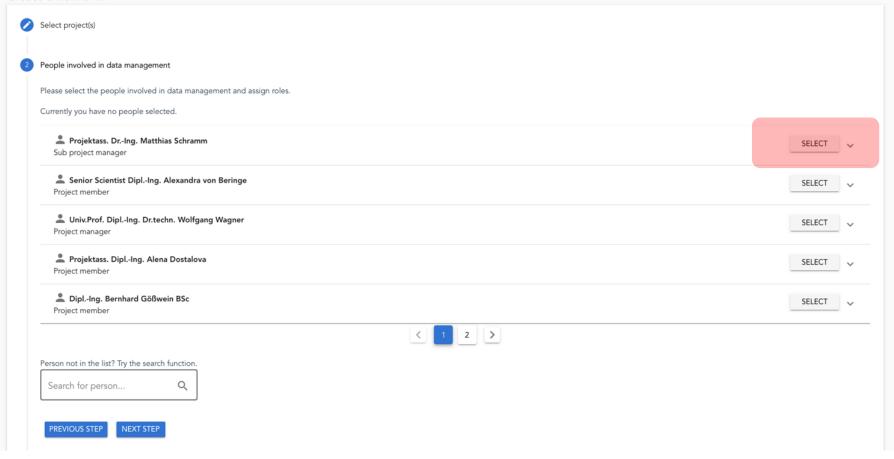


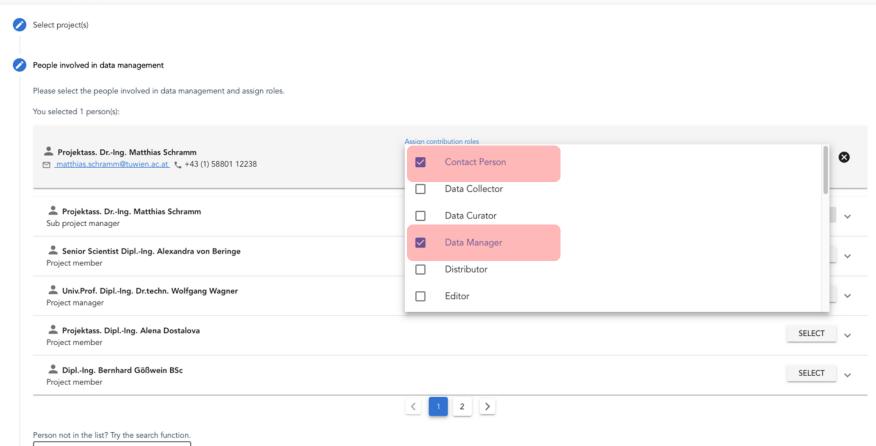




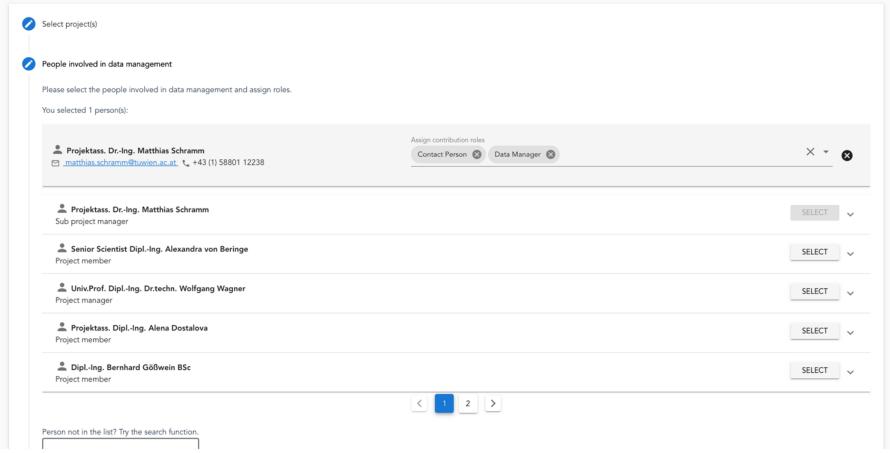












Select project(s)

People involved in data management

Specify your research data

What kinds of research data will you create?

O Don't know yet

O No data will be created or analysed

O Specify with assistance

PREVIOUS STEP

NEXT STEP

Documentation and data quality

Legal and ethical aspects

Specify license(s)

Specify repository/repositories

8 End

Select project(s)

People involved in data management

3 Specify your research data

What kinds of research data will you create?

O Don't know yet

No data will be created or analysed

O Specify with assistance

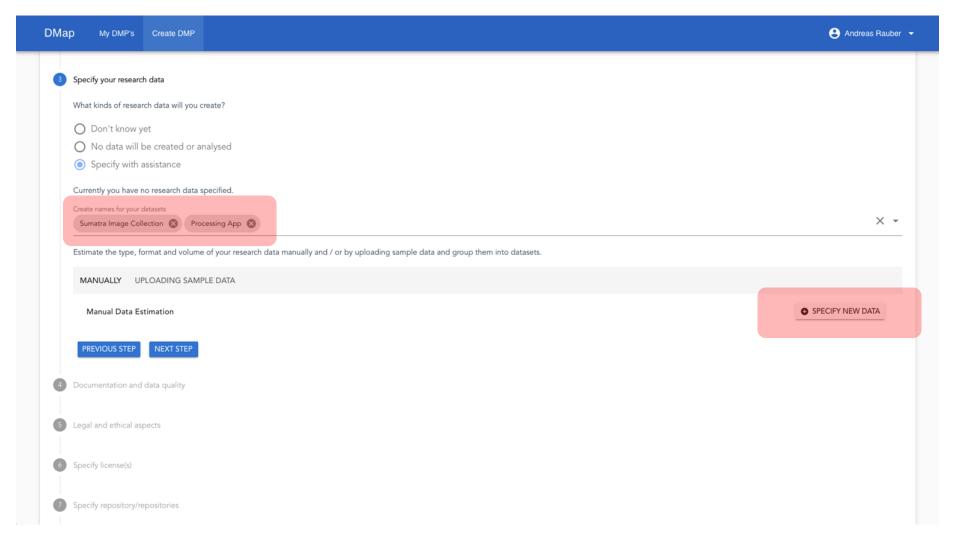
Please explain why you won't create or analyse any research data.

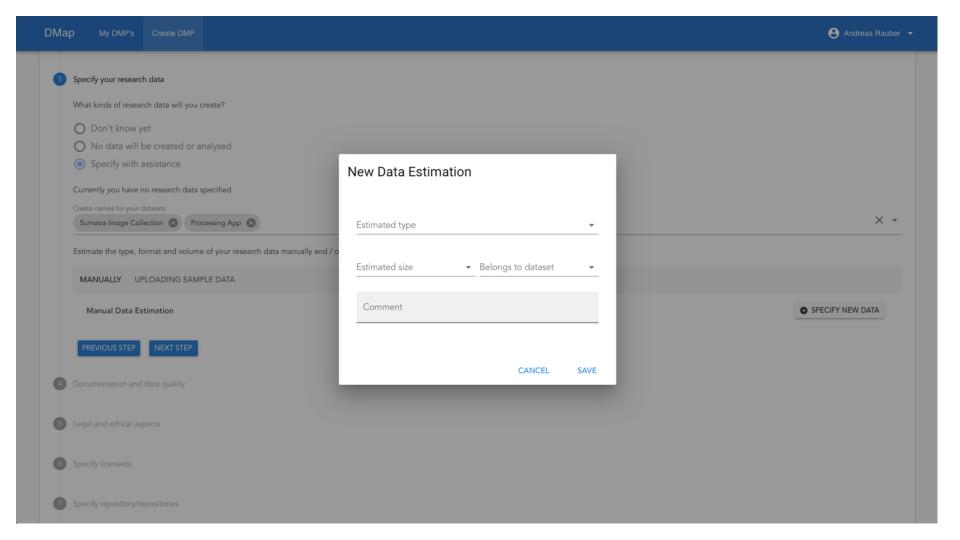
PREVIOUS STEP

NEXT STEP

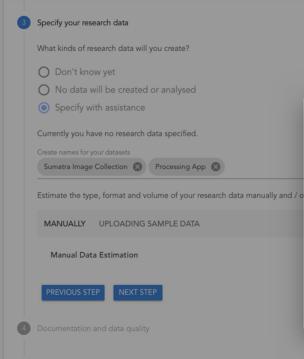
Documentation and data quality

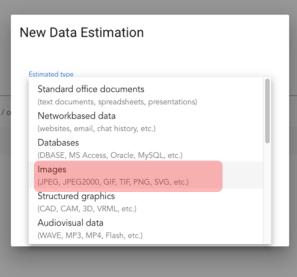
5 Legal and ethical aspects











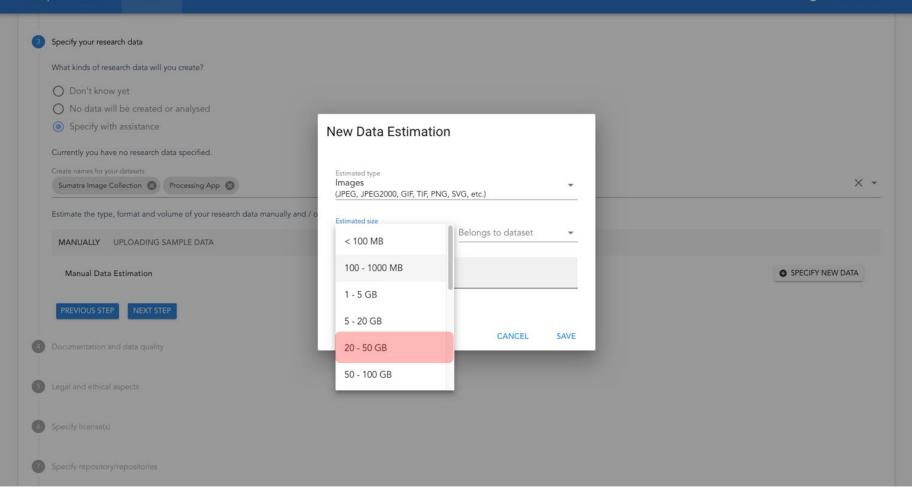


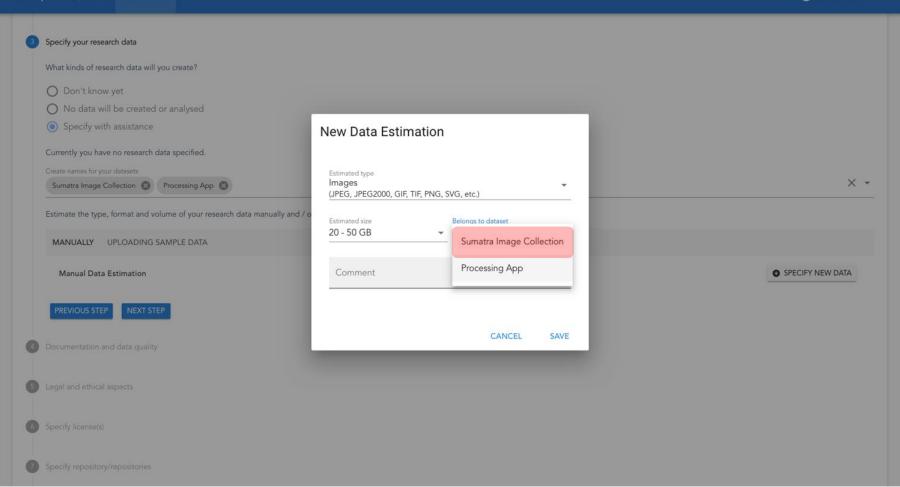
◆ SPECIFY NEW DATA

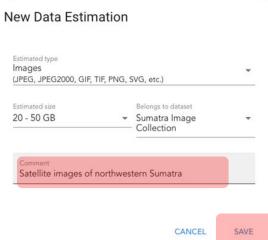
5 Legal and ethical aspec

6 Specify license(s)

7 Specify repository/repositorie



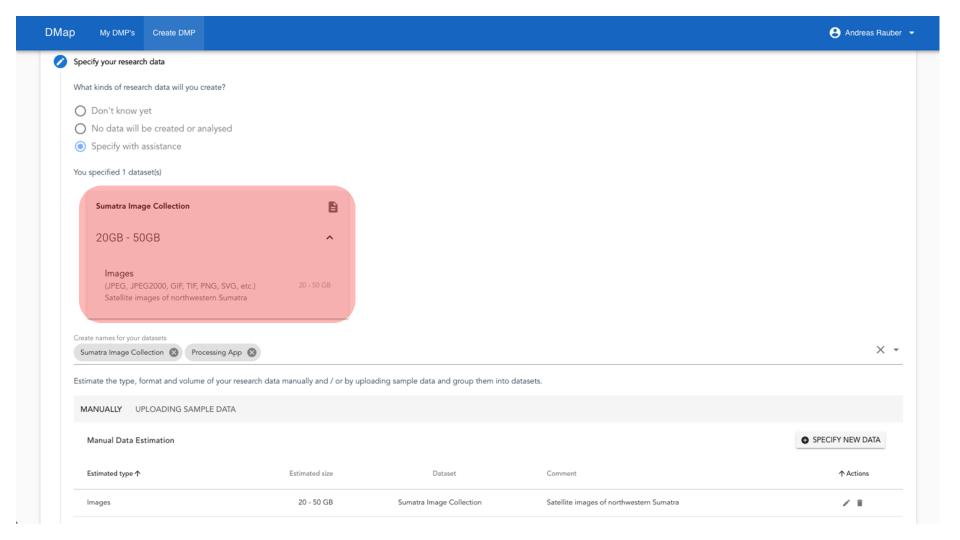


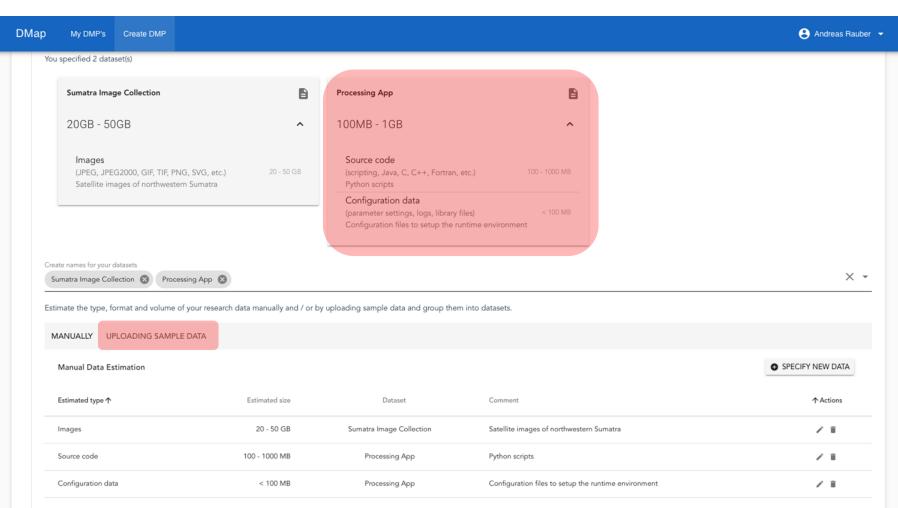






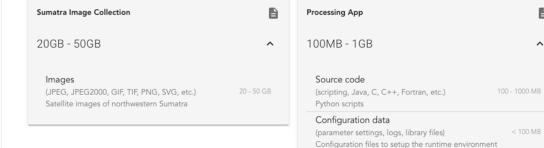






× ×





Create names for your datasets

Sumatra Image Collection

Processing App 🔞

Estimate the type, format and volume of your research data manually and / or by uploading sample data and group them into datasets.

MANUALLY UPLOADING SAMPLE DATA



^

Drop files here to analyze

NEXT STEP



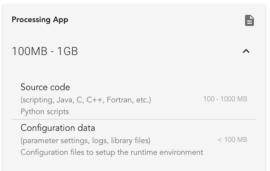
Documentation and data quality















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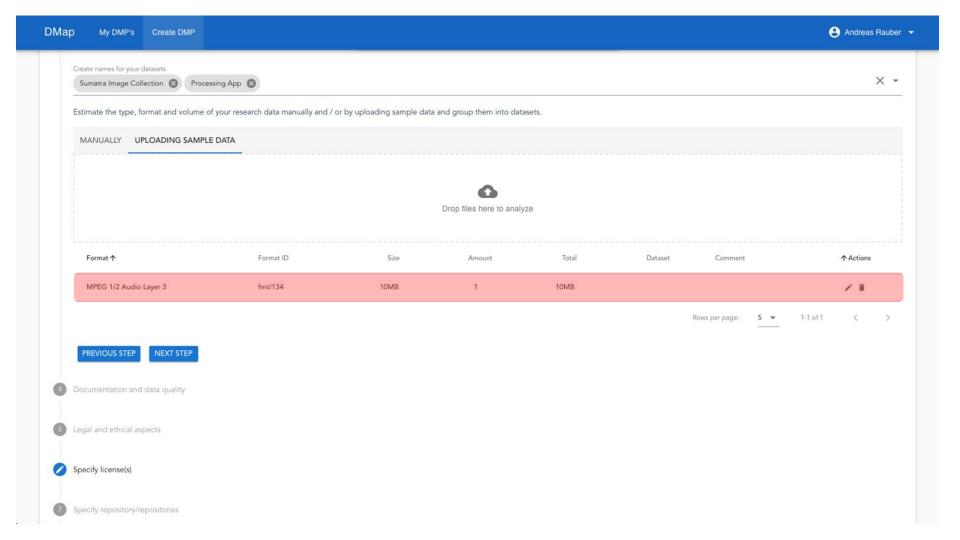
Estimate the type, format and volume of your research data manually and / or by uploading sample data and group them into datasets.

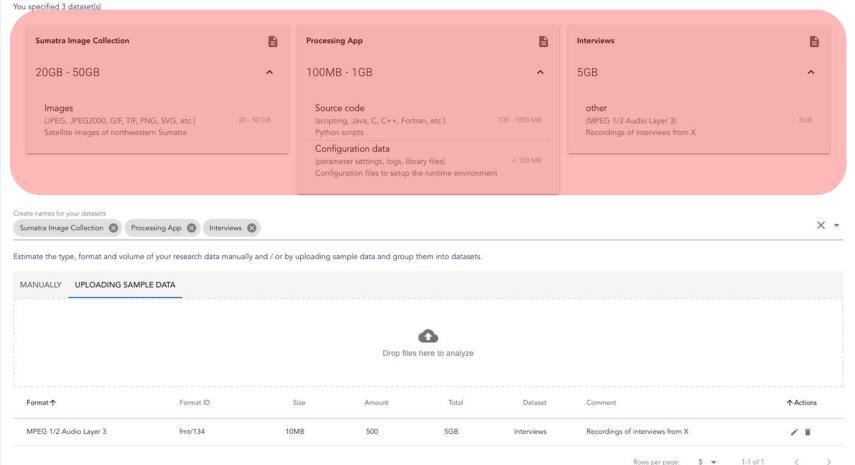
MANUALLY UPLOADING SAMPLE DATA

9.6 MB

13 Creep (Radio Edit).mp3







5	Legal and ethical aspects

This step helps you to consider issues like personal data, intellectual property rights and ownership.

Does your data contain personal information?

O Yes

O No

Is your data sensitive?

O Yes

O No

Are there any other legal restrictions on how data is processed or shared?

O Yes

O No

Are there any ethical issues associated with your research data?

O Yes

O No

If so, was your plan to deal with these ethical issues approved by the ethics committee?

O Yes

O No

Link to ethics report or related document:

keep closed

> keep closed

Create a new DMP



People involved in data management

Specify your research data

Documentation and data quality

Legal and ethical aspects

Specify license(s)

Please indicate which datasets you plan to keep closed or publish. Select a license for the datasets you want to publish and estimate the release date.

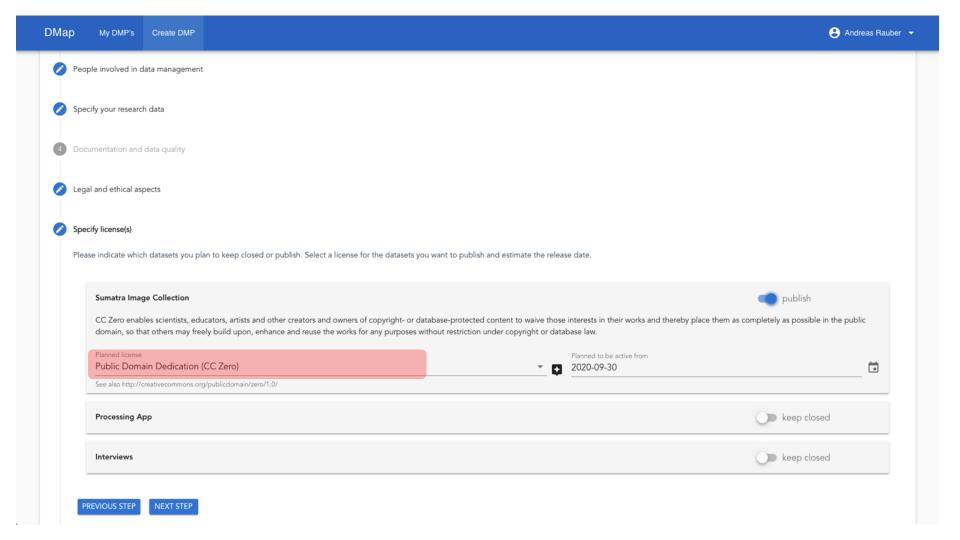
Processing App keep closed

Interviews

Sumatra Image Collection

PREVIOUS STEE

NEXT STEP

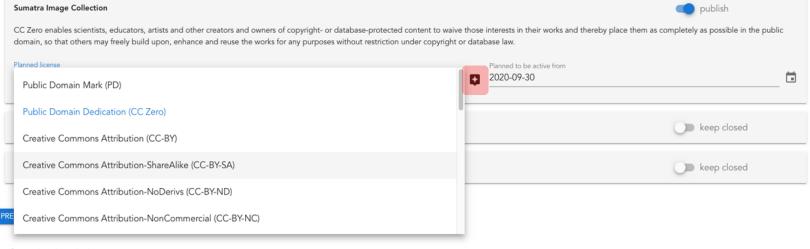




Legal and ethical aspects

Specify license(s)

Please indicate which datasets you plan to keep closed or publish. Select a license for the datasets you want to publish and estimate the release date.







×

This is the standard creative commons license that gives others maximum freedom to do what they want with

Publicly Available C 1 OPEN DATA

Creative Commons Attribution-NoDerivs (CC-BY-ND)

The no derivatives creative commons license is straightforward; you can take a work released under this license and re-distribute it but you cannot change it.

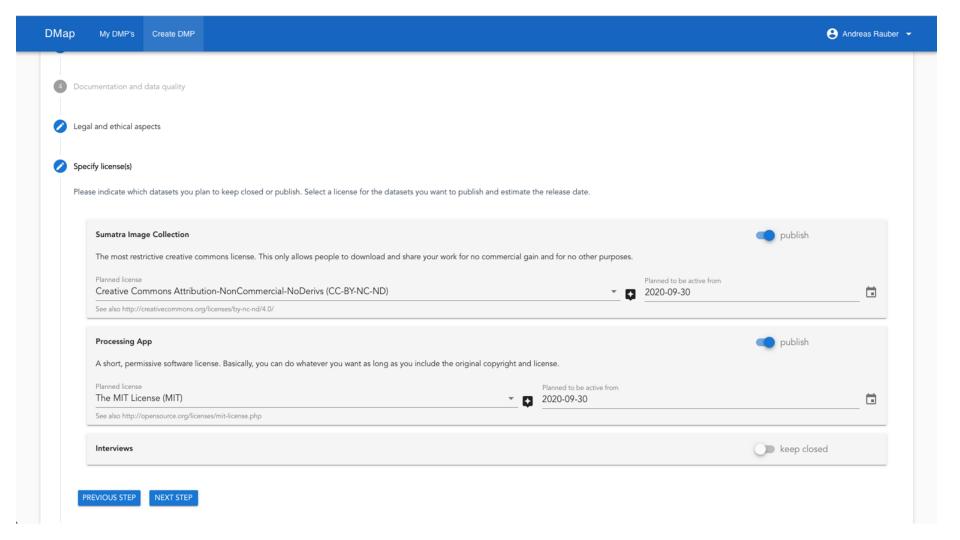
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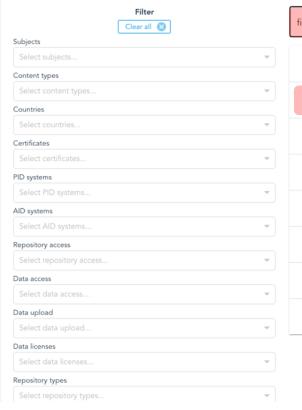
The most restrictive creative commons license. This only allows people to download and share your work for no commercial gain and for no other purposes.

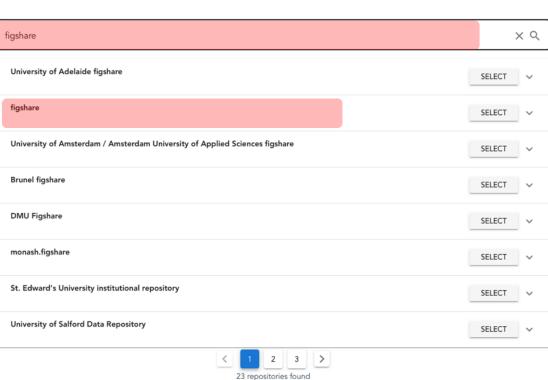


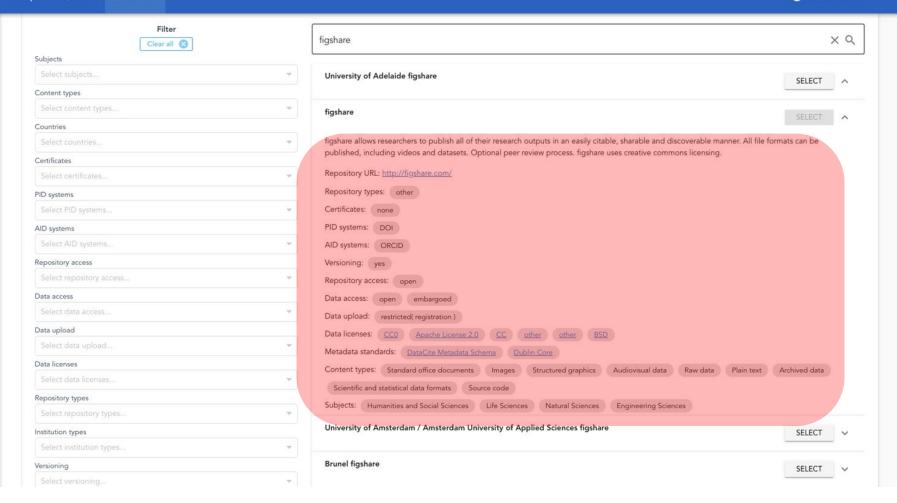


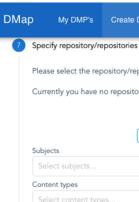
Institution types

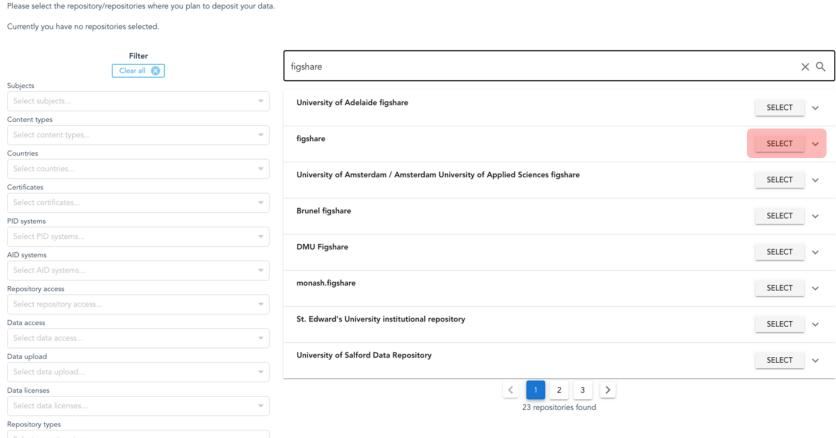


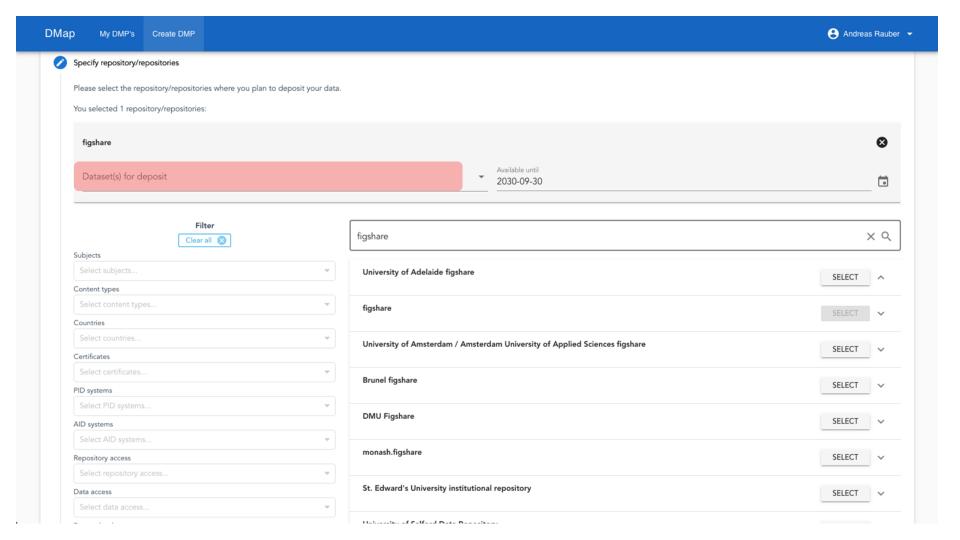


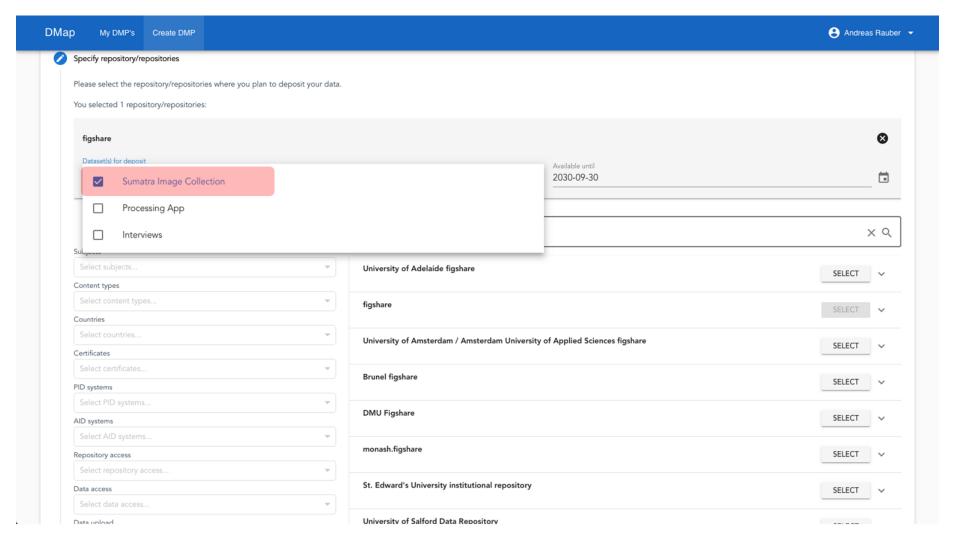


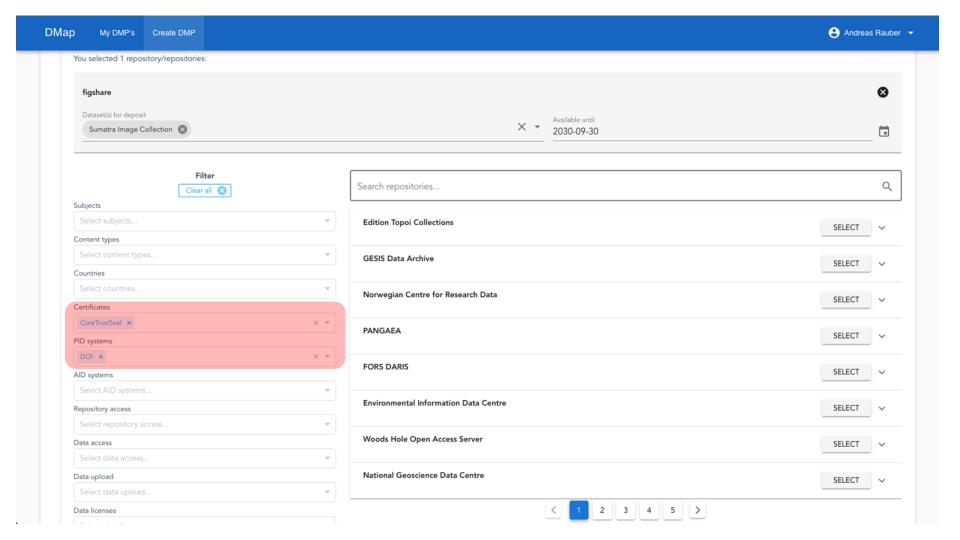


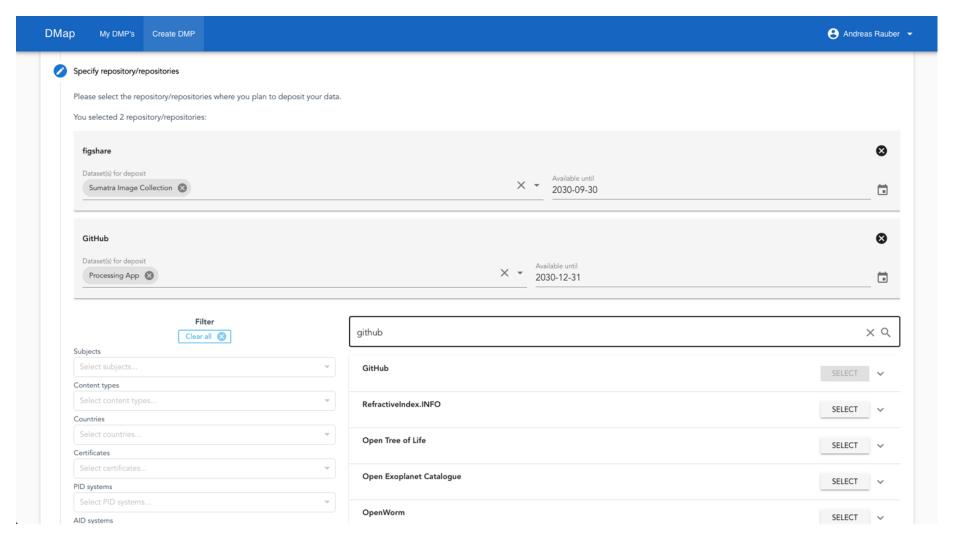








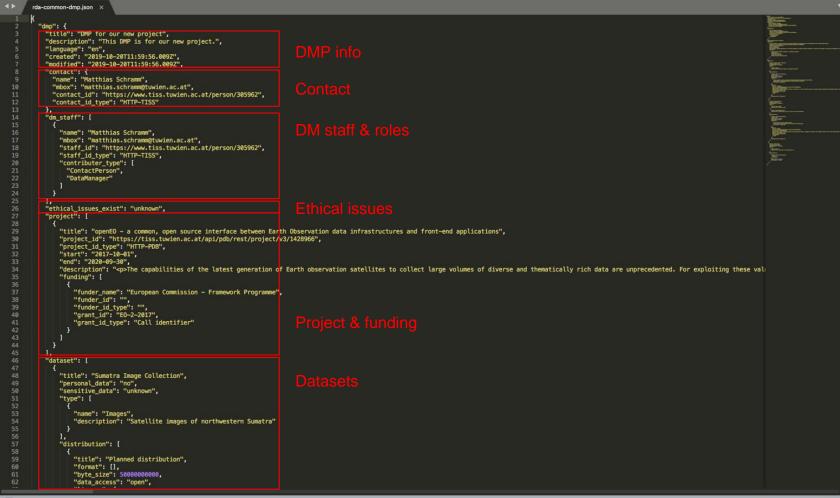


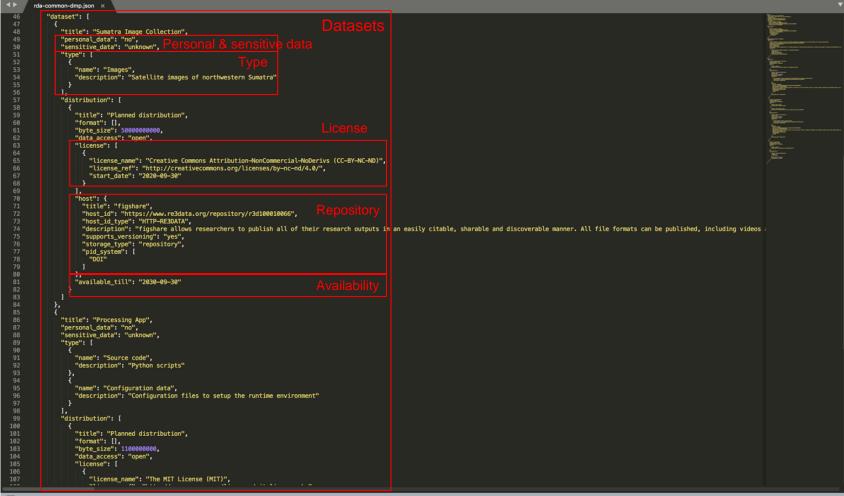


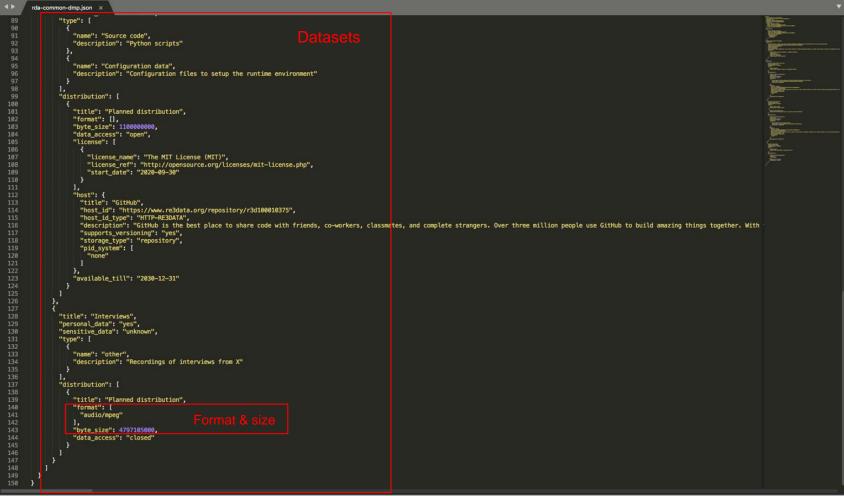
RDA DMP Common Standard

This is a minimum set of universal terms that we agree on which ensure basic interoperability of systems using maDMPS. Further fields can be added in specific deployments, but they do not guarantee interoperability. DMP tools can use any other fields in their internal data models.

DMStaff Contact Cardinalities: each field in this model can be expected to name [1] name - String [1] appear as part of a message exchanged between systems. mail - String [1] staff_id - TypedIdenitifer [0..1] However, not all of fields or classes are required [0..1] or contact_id - TypedIdenitifer [1] contributor_type - <dict> [1] [0..*].Full documentation: https://github.com/RDA-DMP-Common/RDA-DMP-Common-Standard contact DMP title - String [1] description - String [0..1] Funding Project Cost dmp_id - TypedIdentifier [0..1] grant_id - TypedIdentifier [1] language - <dict> [1] dct:title - String [1] dct:description - String [0..1] funder_id - TypedIdentifier [1] title - String [1] created - Date [1] description - String [0..1] modified - Date [1] projectStart - Date [1] value - Numeric (0..1) funding status projectEnd - Date [1] currency_code - <dict> [0..1] <planned/applied/granted/rejected> [0..1] ethical_isues_exist - <yes/no/unknown> [1] ethical_issues_report - URL [0..1] ethical issues description - String [0..1] Distribution Dataset dct:title - String [1] dct:description - String [0..1] Security and Privacy TechnicalResource Metadata title - String [1] description - String [0..1] title - String [1] description - String [0..1] technical resource_id - TypedIdentifier [1] metadata id - TypedIdentifier[1] type - <dict> [1] title - String [1] description - String [0..1] host id - TypedIdentifier[0..*] description - String [0..1] description - String [0..1] language - <dict> [1] format - String [0..*] keyword - String[0..*] supports_versioning - <yes/no/unknown> [0..1] byteSize - Integer [0..1] issued - DateTime [0..1] backup type - String [0..1] dataset_id - TypedIdentifier [0..*] backup_frequency - String [0..1] access_url - String [0..1] language - <dict> [0..1] storage_type - <dict> [0..1] download url - String [0..1] personal_data - <yes/no/unknown> [1] availability - String [0..1] sensitive_data - <yes/no/unknown> [1] certified with - <dict> [0..*] data_access - <open/closed/shared> [1] geo location - <dict> [0..1] data_quality_aussurance - String [0..*] pid system - <dict> [0..*] -security_and_privacyavailable_till - Date [0..1] preservation_statement - String [0..1] —technical_resourcelicense TypedIdentifier License dct:identifier - String [1] license ref - URI [1] identifierType- <dict> [1] 17/10/2019 start date - Date [1]







Thank you!

Useful links:

https://github.com/oblassers/dmap

https://oblassers.github.io/dmap-mockups/

https://www.rd-alliance.org/groups/dmp-common-standards-wg

https://github.com/RDA-DMP-Common/RDA-DMP-Common-Standard