maDMP4LS

https://frama.link/ifb-ag20-madmp4ls

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Mid 2019 : ANR call Open Science : research practices and open research data

The objective of this call was to accelerate the adoption of practices for accessibility, reuse, openness of research data.

Consortium between IFB and Inist proposed “machine actionable DMP for Life Sciences”

The project started in March 2020 for 18 months (ANR-19-DATA-0017-01)

Konogan Bourhy was hired in September

Project structuration

WP1 : Interfacing the data analysis services provided by IFB with DMP-OPIDoR

- Data model compliant with RDA DMP common model
- Link between DMP and User/Project management on bioinformatics facilities
- Metadata capture within SEEK

WP2 : Fostering the adoption of new practices by the communities

- Train the trainer actions
- Regional training courses

WP3 : Use cases and communities

- EMBRC image
- Links with communities

} Cf. Paulette Lieby's talk

From DMP-OPIDoR to maDMP-OPIDoR

Maintain pedagogical and editorial features

Produce a structured and standardized DMP content

Use of internal/external registries and information systems :

- to pre-populate DMP
- to guide users through the selection of standards, or repositories, tools, etc. (FAIR principles)

Enable exchange of informations with services and systems throughout the data life cycle

Enable exchange of DMP content between different DMP tools using RDA maDMP application profile

Adopt RDA recommendation

Miksa, T., Simms, S., Mietchen, D., & Jones, S. (2019). Ten principles for machine-actionable data management plans. *PLoS computational biology*, *15*(3), e1006750. https://doi.org/10.1371/journal.pcbi.1006750

New maDMP-OPIDoR model

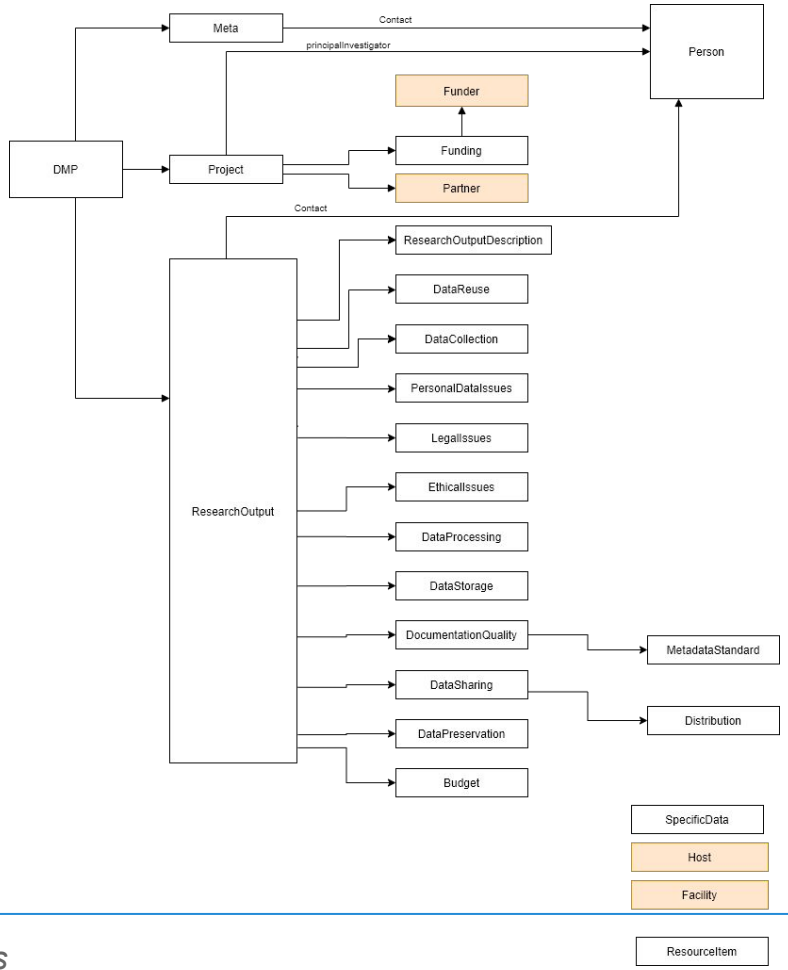
Extensible data model:

- adaptation to disciplinary or service specificities

New version prototype in December

API development

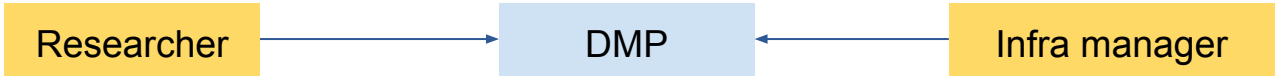
First tests with my@GenOuest as soon as possible



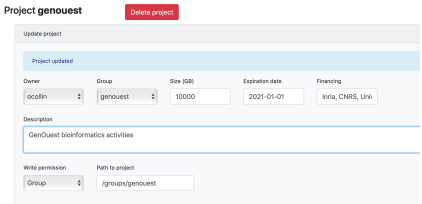
Impact for IFB

Increase efficiency in the management of hosted scientific data

- How much storage space should be provisioned for a project ?
- For how long ?
- What becomes of the data ?
- Which users ?
- Data access ?



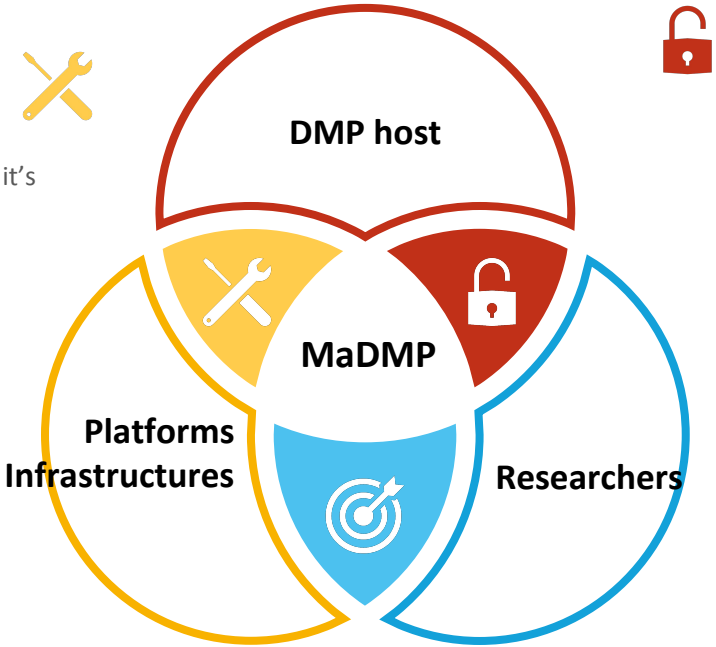
Configuring computational storage environment from the DMP



Impact for the involved parties

Data Management

- How long will the project last?
- What happens with the data once it's over?
- Ensuring FAIRness of data



FAIR access

- Fostering safe FAIR principles application
- Ensuring the data is shared only with the allowed parties
- Sharing of the DMP

Communication

- Understanding the specific needs of the researcher
- Less work for the researcher (avoiding double capture)

Thank you !

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