
FAIR-CURES-RO

A Data Management Plan created using DMPonline

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Project abstract:

The purpose of this project is to assist Elsevier in their NIH Data Commons Pilot <https://commonfund.nih.gov/commons> award “FAIR data to drive CURES” <https://www.elsevier.com/about/press-releases/science-and-technology/elsevier-and-seven-bridges-receive-nih-data-commons-grant-for-biomedical-data-analysis>, in particular to consult on the implementation of Research Object <http://www.researchobject.org/> support in Customer’s existing Mendeley Data platform <https://data.mendeley.com/> and Seven Bridges Fair4CURES platform, both interacting with the proposed NIH Data Commons Research Object Composer and KC2 GUID Broker. In addition University of Manchester will use its position to assist this effort in aligning and collaborating with other ongoing community standard efforts, for improved interoperability and sustainability, and to help position the NIH Data Commons outcomes within the larger archiving and reproducibility community.

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Manchester Data Management Outline

- Yes
- Wellcome Trust

Elsevier, subcontractor to NIH Data Commons FAIR4CURES project.

- No (please provide details of the lead institution below and your role in the project)

The lead is Elsevier, subcontractor to [NIH Data Commons](#) funded [FAIR4CURES](#) project.

- Not acquire or re-use data (please provide details)

This project will only generate source code and not acquire or generate data. Data used for examples/testing are from NIH Data Commons and Seven Bridges platform.

- Other storage system (please list below)

Open Source code maintained at Elsevier's [GitLab installation](#), to be published to <https://github.com/researchobject> with releases assigned DOI from <https://zenodo.org/>

- Not applicable
- Not applicable
- > 20 years

Zenodo provides long term storage of software archives.

- No sensitive or personal data

n/a

- Not applicable
- No
- Not applicable
- No

Stian Soiland-Reyes

05/10/2018

Project details

Develop a web microservice for creating and validating Research Objects for use within NIH Data Commons and other platforms.

n/a

Responsibilities and Resources

Stian Soiland-Reyes

[Zenodo](#), available for free with no cost.

Data Collection

No data will be collected or created

n/a

Documentation and Metadata

n/a

Ethics and Legal Compliance

While this project do not handle data, the software developed here may be used to handle with personal data.

However the deployed microservice will be hosted by Elsevier, not University of Manchester. The developed service will not be storing data, only prepare it for storage in other NIH Data Commons providers like Mendeley Data.

Extra care will be taken so the service does not unintentionally leak private or sensitive information, such as by using authenticated SSL-encrypted communication.

Elsevier will own copyright of software produced, but it will be licensed open source under the Apache License 2.0 so that the University (or anyone else) may freely distribute, reuse or further develop the code.

Storage and backup

Data is only transient at microservice and do not need to be backed up.

The microservice will use SSL transport (https) and unique session keys or URIs to avoid unintentional cross-communicatoin between users. Users of the microservice will be at freedom to specify the third-party service where data should ultimately be stored, e.g. Mendeley Data.

Selection and Preservation

None

No datasets

Data Sharing

No data will be made or shared.

The software produced will be open source and shared publicly through GitHub and Zenodo DOIs through regular releases.

No