Depositing Data in Enlighten: Research Data

University of Glasgow RDM Team

Version 3.2 – February 2025

When you are ready to deposit your dataset, please complete the form below and email it to the [RDM team](mailto:research-datamanagement@glasgow.ac.uk).

We can create a data record and reserve a DOI before you transfer the data files. This allows you to include the DOI in the data availability statement in your manuscript or thesis at the submission / edits stage, then deposit the data once you've finalised the manuscript and dataset.

Please note that the DOI will not resolve to a landing page until the data and readme file(s) have been deposited and we have been instructed to make the record live.

Please also not that all information provided in this deposit form may be visible on the repository record for your dataset. No confidential information should be provided on this form. The names of research participants should not appear on this form.

Once you have the data ready for deposit please see <https://www.gla.ac.uk/myglasgow/openresearch/researchdatamanagement/enlightenresearchdatainformation/> for transfer options.

**Section 1 – Dataset information**

|  |  |  |  |
| --- | --- | --- | --- |
| **Title of the dataset.** *This can be the same as your paper/thesis if appropriate***.** | | | |
| The structural effects of (111) growth of La2CoMnO6 on SrTiO3 and LSAT – new insights from 3D crystallographic characterisation with 4D-STEM and Digital Dark Field imaging | | | |
| **Description of the dataset.** *This should be a brief outline of the nature and purpose of the dataset***.** | | | |
| Jupyter notebooks, raw data, and some of the intermediate files produced in the processing | | | |
| **Does this dataset underpin a research article, thesis or other output?** | | | |
| Article ~~/ thesis / other (please give brief description).~~ | | | |
| **Dataset creators.** *Insert additional rows if needed. If there are a large number of creators, please paste them at the bottom of this document – please note that we need full names for disambiguation purposes*. | | | |
| Surname | | Forename | |
| MacLaren | | Ian | |
| Lipsett | | Matthew R | |
| Fraser | | Andrew T | |
| **Language used for data and documentation** | | | |
| Python for code, data held in common formats including hdf5, pickle and numpy | | | |
| **Who holds the copyright for this data?** *This is usually University of Glasgow if all creators are staff. If there are creators from other institutions or who are students, this should be discussed with them*. | | | |
| **University of Glasgow** | | | |
| **Who is the corresponding author for this dataset?** | | | |
| Name**: Ian MacLaren** | | Email**:** [**ian.maclaren@glasgow.ac.uk**](mailto:ian.maclaren@glasgow.ac.uk) | |
| **Please provide a link to any associated articles (if any).** *Insert additional rows if needed*. | | | |
| Library Ref: 369311  Now accepted at Physical Review Materials | | | |
| **Grants or funding associated with the dataset**. *Insert additional rows if needed*. | | | |
| Funder | | Awardnumber | |
| EPSRC | | EP/M009963/1 | |
|  | |  | |
| **Time period over which the data was collected AND/OR temporal period the data covers.** | | | |
| Collection | From: December 2023 | | To: December 2023 |
| Temporal | From: | | To: |
| **Date on which dataset can be made public?** | | Immediately | |
| **Approximate size of the dataset? \*** | | 922 MB | |

\*Please see the information at the bottom of this document for a table of costs associated with depositing data in Enlighten: Research Data.

**Section 2 – Ethics information**

|  |  |
| --- | --- |
| **Was ethical approval required for the generation or use of this dataset?\*\*** | **Yes / No** |
| **If yes, approval / application number:** | |
| **Approving committee:** | |

\*\* If you have answered ‘Yes’ to ‘Was ethical approval required for the generation or use of this dataset?’, please attach a sample consent form and participant information sheet / plain language statement along with this form.

**Section 3 – Access conditions**

**Please indicate which access conditions apply to the data files in this dataset (select as many as apply).** It is possible for a dataset to contain both open data and data which needs to be controlled, restricted or closed. If this is the case, make sure the different subsets are separated and clearly labelled when provided for deposit.

|  |  |  |
| --- | --- | --- |
| **This dataset contains data which can be openly available:** Terms and conditions <https://eprints.gla.ac.uk/279598/> | **Yes / No** | |
| **This dataset contains data which need controlled or restricted access. \*\*\*** | **Yes / No** | |
| **This dataset contains data which need to be closed with no access.** Terms and conditions  <https://eprints.gla.ac.uk/347641/> | **Yes / No** | |
| **This dataset contains data which need to be closed with no access and no public landing page.** Terms and conditions  <https://eprints.gla.ac.uk/347641/> | **Yes / No** | |
| **This dataset contains data covered by the** [**UK Trusted Research agenda**](https://www.gla.ac.uk/myglasgow/ris/governance/trustedresearch/) | **Yes / No** | |
| **If you answered ‘Yes’ to the Trusted Research question above, have you checked with the Research Governance Team that your data can be deposited and shared?** | **Yes / No** | |
| **Preferred licence type for openly available data files?** If there are no preferences, we will publish the files with a Creative Commons Attribution Licence.  <https://creativecommons.org/> | | |
| **Are there any other comments about sharing any of the data in this dataset?** | | |
|  | | |
| **Documentation files should be suitable for public sharing and should not contain any data that is subject to access restriction. Please confirm that the following are suitable for sharing with a CC-BY licence:** | | |
| Readme file | | **Yes / No** |
| Consent form (if applicable) | | **Yes / No** |
| Participant info sheet (if applicable) | | **Yes / No** |
| Other documentation (please list and add lines to table as necessary) | | **Yes / No** |
| **Are there any other comments about sharing the documentation files in this dataset?** | | |
|  | | |

 \*\*\* If your data or a subset of your data needs controlled or restricted access, please ensure that the necessary documentation is supplied along with the data files (eg a description of who would qualify for access and how this would be determined. If an end user agreement is needed, please arrange to have this drafted by the Contracts Team). If more information is needed about these options, please contact the [RDM team](mailto:research-datamanagement@glasgow.ac.uk).

What costs are associated with depositing my data in Enlighten: Research Data?

Data deposited with Enlighten: Research Data is securely stored in one of two storage systems – in Arkivum, an ISO27001-certified commercial storage provider or in the University of Glasgow-hosted Petabyte-Scale storage facility. All smaller datasets are deposited in Arkivum which enables fast access to the data in the future and meets security requirements for data that needs additional assurances. Datasets over 500Gb in size are stored in the Petabyte-Scale facility unless they need the additional security assurances or speed of access provided by Arkivum.

|  |  |  |
| --- | --- | --- |
| **Dataset size (GB)** | **Arkivum cost (£)** | **Petabyte facility cost (£)** |
| 0-100 | Free |  |
| 100-500 | 200 | - |
| 500-1000 | 450\* | 200 |
| 1000+ | 900\* | 400 |

It should also be straightforward to scale costs for datasets larger than one terabyte based on these figures.  However, if in any doubt, please [contact the RDM team](mailto:research-datamanagement@glasgow.ac.uk) for advice.

Funders who do not provide their own data centres (such as ESRC and NERC) will usually permit data storage costs to be included in grant applications. Costs relating to RDM are subject to the normal rules of grant funding, for example costs must be fully justified, be spent before the end date of the project and may only be charged for data produced by the project.