Plan Overview

A Data Management Plan created using DMPonline

Title: Urban Expansion and Standard of Living in Nigeria

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Project abstract:

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Urban Expansion and Standard of Living in Nigeria

Manchester Data Management Outline

1. Will this project be reviewed by any of the following bodies (please select all that apply)?

- Funder

2. Is The University of Manchester collaborating with other institutions on this project?

- No - only institution involved

3. What data will you use in this project (please select all that apply)?

- Acquire new data
- Re-use existing data (please list below)

4. Where will the data be stored and backed-up during the project lifetime?

- P Drive (postgraduate researchers and students only)

5. If you will be using Research Data Storage, how much storage will you require?

- < 1 TB

6. Are you going to be receiving data from, or sharing data with an external third party?

- No

7. How long do you intend to keep your data for after the end of your project (in years)?

- 0-4 years

Guidance for questions 8 to 13
Highly restricted information defined in the Information security classification, ownership and secure information handling SOP is information that requires enhanced security as unauthorised disclosure could cause significant harm to individuals or to the University and its ambitions in respect of its purpose, vision and values. This could be: information that is subject to export controls; valuable intellectual property; security sensitive material or research in key industrial fields at particular risk of being targeted by foreign states. See more examples of highly restricted information.

If you are using 'Very Sensitive' information as defined by the Information Security Classification, Ownerships and

Secure Information Handling SOP, please consult the Information Governance Office for guidance.
Personal information, also known as personal data, relates to identifiable living individuals. Personal data is classed as special category personal data if it includes any of the following types of information about an identifiable living individual: racial or ethnic origin; political opinions; religious or similar philosophical beliefs; trade union membership; genetic data; biometric data; health data; sexual life; sexual orientation.
Please note that in line with data protection law (the UK General Data Protection Regulation and Data Protection Act 2018), personal information should only be stored in an identifiable form for as long as is necessary for the project; it should be pseudonymised (partially de-identified) and/or anonymised (completely de—identified) as soon as practically possible. You must obtain the appropriate ethical approval in order to use identifiable personal data.
8. What type of information will you be processing (please select all that apply)?

- No confidential or personal data

9. How do you plan to store, protect and ensure confidentiality of any highly restricted data or personal data (please select all that apply)?

- Not applicable

10. If you are storing personal information (including contact details) will you need to keep it beyond the end of the project?

- Not applicable

11. Will the participants' information (personal and/or sensitive) be shared with or accessed by anyone outside of the University of Manchester?

- No
- Not applicable

12. If you will be sharing personal information outside of the University of Manchester will the individual or organisation you are sharing with be outside the EEA?

- Not applicable

13. Are you planning to use the personal information for future purposes such as research?

- No

14. Will this project use innovative technologies to collect or process data?

- Yes, and innovative technologies will not collect or process personal data (please list the innovative technologies below)

Remote sensing and machine learning

15. Who will act as the data custodian for this study, and so be responsible for the information involved?

Muhammad Uthman

16. Please provide the date on which this plan was last reviewed (dd/mm/yyyy).

2024-02-06

Project details

What is the purpose of your research project?

PhD Research

What policies and guidelines on data management, data sharing, and data security are relevant to your research project?

UK Research Council's Policies
University of Manchester Research Data Management Policies

Responsibilities and Resources

Who will be responsible for data management?

Muhammad Uthman

What resources will you require to deliver your plan?

Data Storage Solution (Microsoft One Drive)

Data Collection

What data will you collect or create?

Mainly secondary data and a small fraction of primary data. The secondary data will be in the form of a raster or statistical dataset, while the primary will be electronically. This will nor require much storage, perhaps an estimate of 20GB.

How will the data be collected or created?

Secondary data will be obtained from existing datasets, reports, or online repositories. Primary data will be collected through interview.

The data will be organized into a hierarchical data structure based on themes. And folder will be named with a traditional naming system that will easily recognize.

Documentation and Metadata

What documentation and metadata will accompany the data?

To make the data well documented and easy for reuse, the underlisted infomation will be included:

Basic detail about the data, to inclue the title ofh the dtataset, creators, date of publication and licesing.

Ethics and Legal Compliance

How will you manage any ethical issues?

This study will not include the collection of personal information; however, the ethical approval will be requested to ensure compliance with appropriate ethical regulation through the institutional ethical committee. After which all ethical concern highlighted during the ethical review procedure will be appropriately dealt with and capture into the research methodology.

Any data collected from participant will capture the consent section to highlight the purpose of the data collection and the the issues related to the data been collected for public use and the possibility of sharing such data in a processed manner.

How will you manage copyright and Intellectual Property Rights (IPR) issues?

I will soley own the copyright and intellectual property rights (CIPR) of the research outcome, but in the case where a collaboration was made for a journal or conference paper the CIPR will be for the contibutors.
Collaborator will also be adequately acknowledge.
Data generated from the research will licensed appropriately to facilitate reuse such as the Creative Common Lincens.

No restriction will be on the reuse of third party data except where indicated.

Storage and backup

How will the data be stored and backed up?

The Microsoft One Drive will be adequate for backing up all necessary data.

How will you manage access and security?

All data for the research will be based in my computer device and One drive which are all managed by the university and properly secured. And access to such data can be only through me.
Password protected device will be used for interview and protecting the data collected.
The safe transfer of data from the field will be done using a secured network to transmit the data.

Selection and Preservation

Which data should be retained, shared, and/or preserved?

collected primary data should be fully retained, while dataset for other relevant secondary dataset will be documented.
The duration for retaintion should be a suffiecient period that meets the research need. However, the data will be save in cloud storage such as OneDrive/Google Drive or figshare that will allow easy access.

What is the long-term preservation plan for the dataset?

The research dataset will not require a formal long-term preservation plan. However, all necessary data or sources will be curated in a cloud storage and figshare

Data Sharing

How will you share the data?

Data sharing will be done using Figshare repository.

Are any restrictions on data sharing required?

No, as all participant will be anonymised.