Plan Overview

A Data Management Plan created using DMPonline

Title: Exploring the water, energy, food, and health nexus as a system of (poly-centric) governance from household to global levels: the case of informal settlements in Kampala, Uganda

Creator: Tonny Ssekamatte

Principal Investigator: Tonny Ssekamatte

Affiliation: Wageningen University and Research (Netherlands)

Funder: Netherlands Organisation for Scientific Research (NWO)

Template: Data Management Plan NWO (September 2020)

ORCID iD: 0000-0002-8127-6759

Project abstract:

There is increasing evidence of the interaction between the water, energy, and food (WEF) nexus and health. Improvements in health, which are central to the attainment of the 2030 UN agenda, are largely dependent on equitable access to WEF among other resources. However, the relationship between WEF and health at the household level is not well documented in the literature. As a result, it is increasingly difficult to maximize synergies and balance trade-offs in the provision of these resources. Due to the limited evidence of these interactions, WEF is governed in isolation, which reduces the ability of policymakers and implementers to capitalize on the synergies and reduce trade-offs arising from the interactions. Nonetheless, it is these interactions (WEF and health) that provide the basis for programming, policy development, and governance frameworks at both local and international levels. The role of the private sector and donors, who are known to engage in budget discussions, advocacy, capacity building, and funding of WEF initiatives, is not understood. The proposed mixed methods study will utilize a structured questionnaire to establish the relationship between WEF and health (using diarrhoea as a proxy), Focus Group Discussions to understand how decisions related to WEF are made at the household level, and Key Informant Interview guides to explore the role of the private sector and donor-recipient alignments in the governance of the WEF and health nexus. Evidence generated from the study will inform the development of a polycentric WEF nexus governance framework for Uganda.

ID: 121337

Start date: 01-06-2022

End date: 01-06-2026

Last modified: 12-10-2023

Grant number / URL: 2100762400

Copyright information:

The above plan creator(s) have agreed that others may use as much of the text of this plan as they would like in their own plans, and customise it as necessary. You do not need to credit the creator(s) as the source of the language used, but using any of the plan's text does not imply that the creator(s) endorse, or have any relationship to, your project or proposal

Exploring the water, energy, food, and health nexus as a system of (poly-centric) governance from household to global levels: the case of informal settlements in Kampala, Uganda

General Information

Name applicant and project number

Prof. Art Dewulf

Name of data management support staff consulted during the preparation of this plan and date of consultation.

Dr Irene Verhagen
WUR Library - Data Management Support
data@wur.nl
2023-04-14

1. What data will be collected or produced, and what existing data will be re-used?

1.1 Will you re-use existing data for this research?

If yes: explain which existing data you will re-use and under which terms of use.

- No

Aside, from evidence obtained from the literature review, the research will not use secondary data.

1.2 If new data will be produced: describe the data you expect your research will generate and the format and volumes to be collected or produced.

Text data (1 GB) will be stored as PDF/A (.pdf) or ODT (.odt), and statistical data and associated scripts (1 GB) will be stored as .dat and .DO. Computer Assisted Qualitative Data Analysis (CAQDAS) will be saved as REFI-QDA while audio files (5 GB) of interviews will be saved as BWF (.bwf).

1.3. How much data storage will your project require in total?

- 100 – 1000 GB

2. What metadata and documentation will accompany the data?

2.1 Indicate what documentation will accompany the data.

Data
To interpret the data correctly, metadata sheets in the form of a readme text file will also be provided. The read-me (.txt) file is stored in the same folder as the data per project phase. The documentation will include information on the methodology used to collect the data, analytical and procedural information, definitions of variables, units of measurement, etc. The documentation will be added to the dataset as a README file (.txt). Model output will be accompanied by a txt file containing the model parameter values and model version number.

2.2 Indicate which metadata will be provided to help others identify and discover the data.

The metadata that will make the data discoverable will include the title, creators, and contributors to the data as well as their affiliations. Aside, the metadata will include a description of the dataset and keywords. The data will be documented in the README.txt file that will be deposited with the dataset. Furthermore, the DANS-EASY repository uses the title, content description of the data, description of the research project the data set is the result of, date created, audience, the language of the description, and the key researchers involved in producing the data (creator) to describe datasets.

3. How will data and metadata be stored and backed up during the research?

3.1 Describe where the data and metadata will be stored and backed up during the project.

- Institution networked research storage

Data will be stored on the Wageningen university server

3.2 How will data security and protection of sensitive data be taken care of during the research?

- Additional security measures (please specify)

The raw data collected with the KoboCollect mobile app contains personal data. All sensitive data will be treated as confidential. Data will be password-protected and stored on the WUR W: drive in specific folders.

4. How will you handle issues regarding the processing of personal information and intellectual property rights and ownership?

4.1 Will you process and/or store personal data during your project?

If yes, how will compliance with legislation and (institutional) regulation on personal data be ensured?

- Yes

- Ethical clearance will be sought from a local research ethics committee to ensure the protection of human subjects
- Participants will sign a consent form, and data can only be used for purposes a participant has given prior agreement to
- The raw data will be securely stored, access managed, and limited to the principal investigator
- data (textual and/or visual) will be anonymized to prevent the identification of participants

4.2 How will ownership of the data and intellectual property rights to the data be managed?

The research project is exclusively conducted by WUR employees and as such the ownership of the data and intellectual property rights remains with WUR.

5. How and when will data be shared and preserved for the long term?

5.1 How will data be selected for long-term preservation?

- All data resulting from the project will be preserved for at least 10 years

5.2 Are there any (legal, IP, privacy related, security related) reasons to restrict access to the data once made publicly available, to limit which data will be made publicly available, or to not make part of the data publicly available?

If yes, please explain.

- Yes

All personal identifying information such as positions, contact information, and GPS coordinates will be removed from the datasets. The study will also adhere to the General Data Protection Regulation (GDPR).

5.3 What data will be made available for re-use?

- Other (please specify)

Not all data will be made available since some of it will contain personal data.

5.4 When will the data be available for re-use, and for how long will the data be available?

- Data available as soon as article is published

5.5 In which repository will the data be archived and made available for re-use, and under which license?

The DANS-EASY repository will be used (with a creative commons license (CC BY). The WUR Library provides support with depositing data into
DANS-EASY and covers all the related costs.

5.6 Describe your strategy for publishing the analysis software that will be generated in this project.

No analysis software will be created / developed by the project

6. Data management costs

6.1 What resources (for example financial and time) will be dedicated to data management and ensuring that data will be FAIR (Findable, Accessible, Interoperable, Re-usable)?

The mobile data collection tools will have validation criteria to improve data quality. Research assistants will be trained for 5 days to ensure quality assurance. Research assistants will also be supervised by the principal investigator. No financial resources are required. Around 5% of the time spent on data collection/processing/analysis will be spent on data management.