Plan Overview

A Data Management Plan created using DMPonline

Title: To transform a laboratory-proven disinfection by-product sensor into a validated reliable sensor network for water distribution systems.

Creator: Stephen Boult

Principal Investigator: Stephen Boult

Data Manager: Stephen Boult

Affiliation: University of Manchester

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To transform a laboratory-proven disinfection by-product sensor into a validated reliable sensor network for water distribution systems.

Manchester Data Management Outline

1. Is this project already funded?

- No

2. If you will be applying for funding from multiple sources who else will you be applying to?

- Not applicable

3. Is The University of Manchester the lead institution for this project?

- Yes – leading a collaboration

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

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

Existing data concerning topology of water distribution systems owned by collaborators.

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

- University of Manchester Research Data Storage Service (Isilon)

Also stored by the project partner Siemens plc

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

- < 1 TB

7. If you have a contractual agreement with a 3rd party data provider will any of the data associated with this project be sourced from, processed or stored outside of the institutions and groups stated on your agreement?

- No

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

- < 5 years

Questions about personal information

Personal information or personal data, the two terms are often used interchangeably, relates to identifiable living individuals. Special category personal data is more sensitive information such as medical records, ethnic background, religious beliefs, political opinions, sexual orientation and criminal convictions or offences information. If you are not using personal data then you can skip the rest of this section.

Please note that in line with data protection law (the 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.

9. What type of person identifying information will you be processing (please select all that apply)?

- No sensitive or personal data

10. Please provide details of how you plan to store, protect and ensure confidentiality of the participants' information as stated in the question above

N/A

11. If you are storing personal information will you need to keep it beyond the end of the project?

- Not applicable

12. Sharing person identifiable information can present risks to participants' privacy, researchers and the institution. Will the participants' information (personal and/or sensitive) be shared with or accessed by anyone outside of the University of Manchester? This includes using 3rd party service providers such as cloud storage providers or survey platforms.

- No

13. 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

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

- No

15. Who will act as the data custodian or information asset owner for this study?

Stephen Boult

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

23/04/19

Data Collection

What data will you collect or create?

Research data - water quality data from water distribution systems owned by project collaborator

How will the data be collected or created?

By installation of instrumentation developed by the project and installed in partnership with a UK water services provider

Documentation and Metadata

What documentation and metadata will accompany the data?

Some data is proprietary will only be available to project partners unless release is authorised by all partners/collaborators.

Ethics and Legal Compliance

How will you manage any ethical issues?

Some data is proprietary will only be available to project partners unless release is authorised by all partners/collaborators.

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

A collaboration agreement wil be signed if the Project is funded.

Storage and Backup

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

Stored at UoM Research Data and subject to back up by UoM Research data

How will you manage access and security?

Only accessible by UoM staff with authorisation.

Selection and Preservation

Which data are of long-term value and should be retained, shared, and/or preserved?

Data is unlikely to be valuable beyond 5 years any that is will be retained and stored at UoM Research Data.

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

retained and stored at UoM Research Data.

Data Sharing

How will you share the data?

Anonymised data relating to performance of the sensor developed by the project will be available via open-access publications.

Are any restrictions on data sharing required?

Siemens are co-funders and UK water services providers are collaborators, both will restrict release of data. The collaboration agreement will include the provisions for data release, typically anonymisation will be required by the WSP and delayed for Siemens so as to preserve commercial value.

Responsibilities and Resources

Who will be responsible for data management?

Stephen Boult

What resources will you require to deliver your plan?

Already have sufficient space at UoM Research Data Services
Resource required for open access publication