Plan Overview

A Data Management Plan created using DMPonline

Title: Blockchain and the UK Modern Slavery Act

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Project abstract:

To exploit distributed ledger technology to gather and share forced labour intelligence both nationally and internationally. As a proof of concept, we propose to build a permission based blockchain system in collaboration with the UK National Helplines for Modern Slavery and the Programme Challenger, modern slavery support network at Greater Manchester.

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Blockchain and the UK Modern Slavery Act

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?

- Science and Technology Facilities Council

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

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

- University of Manchester Research Data Storage Service (Isilon)

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

- 1 - 8 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?

- Not applicable

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.

- No sensitive or personal data
- Anonymised personal data
- Pseudonymised personal data
- Audio and/or video recordings

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

temporary storage as the processed data will be stored on blockchain.

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.

- Yes - I am processing data for someone else

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?

- Yes

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?

The blockchain nodes

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

08/08/2018

Data Collection

What data will you collect or create?

informant/tip off about child labour and human right violantion incident. Only high level information with no personal details.

How will the data be collected or created?

Mobile phone app, SMS, voice calls and internet

Documentation and Metadata

What documentation and metadata will accompany the data?

photos

Ethics and Legal Compliance

How will you manage any ethical issues?

seeking ethical approval; no personal data that will link to victim

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

NA

Storage and Backup

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

Multiple back up by blockchain nodes

How will you manage access and security?

permission blockchain

Selection and Preservation

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

processed data will be destroyed

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

blockchain ownership

Data Sharing

How will you share the data?

Public access to highlevel information on blockchain is permitted

Are any restrictions on data sharing required?

no

Responsibilities and Resources

Who will be responsible for data management?

PI

What resources will you require to deliver your plan?

Computing facility and some temporary storage. The blockchain will be mounted on cloud facility