
Blockchain for Forced Labour Intelligence

A Data Management Plan created using DMPonline

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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 with nodes in Delhi, India and Manchester, UK.

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Data types

Only simulated data will be used to test the blockchain. The UK National Helplines for Modern Slavery will advise how to simulate these data so that they are realistic.

Data preservation

None; we use simulated data in testing the blockchain. These data can be deleted at any time.

We are designing and writing our own software with the help of subcontractors.

Two years, during the project duration.

Data sharing

The data itself has no value except for the Blockchain nodes located outside Manchester University since the same data will appear on all nodes according to the blockchain technology.

two years

By blockchain connection. It is a permission chain; only authorised and invited users have access to the blockchain nodes.

Resources

Not significant.

Manchester Data Management Outline

- No
- Engineering and Physical Sciences Research Council

For a slightly different project but also on building blockchain.

- No

Hartree Centre is the PI, and UoM is the Co-I.

We will simulate the data for testing the blockchain.

- Other storage system (please list below)
- University of Manchester Research Data Storage

IBM cloud might be used as one of the technology we are testing is the IBM Hyperledger.

- 1 - 8 TB
- Yes

All the blockchain nodes will have the same data. The project plan is to have nodes in the UK (Manchester to start with) and India (Dalhi to start with).

- < 5 years
- Anonymised personal data
- No sensitive or personal data

The UK Helplines for Modern Slavery might give us some anonymised data to help the simulation process. Only simulated data will be used in the research.

The private and confidential information will not be passed to us. The data we have access to is anonymised.

- Not applicable
- No
- Not applicable
- No

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