Plan Overview

A Data Management Plan created using DMPonline

Title: Apparel Advance: towards a sustainable apparel manufacturing ecosystem

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Template: EPSRC Data Management Plan Customised By: University of Manchester

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Project abstract:

Our impact goal is to provide Textile and Apparel sector stakeholders with evidence to inform an economic case for investment in the creation of a circular ecosystem: comprising the design, manufacture, and re-use of apparel items. We will contribute to UKMSN+ by: • Mapping the Textile and Apparel sector's current manufacturing capabilities within Greater Manchester and the East Midlands. We will communicate current manufacturing capabilities through an industry-facing website, including an interactive map-mashup. Our map-mashup will communicate – to different Textile & Apparel stakeholders - information about available manufacturers, products, components, by-products, and waste. Stakeholders will include industry in the northwest (for example NBrown, Private White), key bodies representing the textile industry (Textile Institute) and groupslooking to support innovation in onshore manufacturing (Make it British). Presenting these data on a map, we allow stakeholders to reflect on relationships, strengths, and opportunities within their industry that are invisible without the geographic context. • Developing a comprehensive skills matrix focused on existing skills and necessary areas, and sources of, development. Our skills matrix will identify areas a strength and opportunity for growth. Government investors and UK Textile Manufacturers can use the skills matrix to enable the creation of a circular ecosystem for design, manufacture, and re-use of apparel items by connecting suitably skilled and motivated stakeholders. This will further support research focus to explore potential for bids to target key skills, training and adoption of new technologies. For continuation funding, we will apply to EPSRC's Manufacturing the Future and Sustainable Industries calls. Mass customisation is one avenue for the manufacture of bespoke garments for a population. Bespoke garments can reduce the waste inherent in the existing ready-to-wear ecosystem because garments are thrown away due to lack of purchase or ill-fit. To achieve a circular ecosystem for design, manufacture, and re-use of apparel items, manufacturers must be able to mass produce, or adjust to achieve bespoke garments. We will address this problem. This UKMSN+ grant's outcomes will facilitate building trust and relationships with key UK Textile & Apparel stakeholders. We will partner with those UK Textile & Apparel stakeholders to achieve grant work packages and facilitate impact activities in the creation of a circular ecosystem for design, manufacture, and re-use of apparel items.

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Apparel Advance: towards a sustainable apparel manufacturing ecosystem

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?

- Yes - Part of a collaboration and owning or handling data

A small contribution from a colleague at L'boro University

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

- Generate textual supporting information only
- Re-use existing data (please list below)

PhD research data from current student.

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

- University of Manchester Research Data Storage Service (Isilon)

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

- < 1 TB

6. Are you going to be working with a 3rd party data provider?

- No

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

- 0-4 years

Questions about personal information
Personal information, also known as personal data, 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.

8. What type of personal information will you be processing (please select all that apply)?

- No sensitive or personal data

9. Please briefly outline how you plan to store, protect and ensure confidentiality of the participants' information.

No personal information will be recorded or retained. We will be collecting text as we write it of opinions and ideas.

All other details will be business details and available in the public domain.

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

- No

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

- 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?

- No

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

- No

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

Steven Hayes

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

2020-02-24

Data Collection

What data will you collect or create?

Text-based statements of ideas for how the industrial sector can address the aims of the Sustainable Manufacturing network.

How will the data be collected or created?

Conversation. Notes take. Visuals created.

Documentation and Metadata

What documentation and metadata will accompany the data?

Sector position. Employment and Economic Data. Geographical Location.

Ethics and Legal Compliance

How will you manage any ethical issues?

There are no ethical issues according to our ethical decision tool.

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

Through the Universities centralised system.

Storage and Backup

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

Text will be recorded on a secured HD and then stored in our secure data storage area.

How will you manage access and security?

Only myself as PI has access to the storage area. This will be extended to my CoI's

Selection and Preservation

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

n/a

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

n/a

Data Sharing

How will you share the data?

Mendeley data set. Institutional repository.

Are any restrictions on data sharing required?

n/a

Responsibilities and Resources

Who will be responsible for data management?

Steven Hayes - UoM

What resources will you require to deliver your plan?

n/a