# Plan Overview

A Data Management Plan created using DMPonline

**Title:** Image Segmentation Using Deep Learning Techniques

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**Principal Investigator:** David H Foster

**Data Manager:** David H Foster, Zeinab tirandaz

**Project Administrator:** David H Foster, Zeinab tirandaz

**Affiliation:** University of Manchester

**Template:** University of Manchester Generic Template

**Project abstract:**

The sun's movement in the absence of cloud causes variations in the spectrum and geometry of scene illumination. Changes in the distribution of shadows are particularly challenging to predict, even over short intervals, leading to errors in matching scenes over time. The problem of scene matching under unpredictable illumination changes can be addressed by finding the shadow changes between images captured at different times of the day, which is examined in this project.

**ID:** 80166

**Start date:** 17-09-2020

**End date:** 30-09-2022

**Last modified:** 25-06-2021

**Copyright information:**

# Image Segmentation Using Deep Learning Techniques

## Manchester Data Management Outline

**1. Will this project be reviewed by any of the following bodies (please select all that apply)?**

- None of the above

**2. Is The University of Manchester collaborating with other institutions on this project?**

- No - only institution involved

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

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

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

- University of Manchester Research Data Storage Service (Isilon)
- P Drive (postgraduate researchers and students only)

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

- 1 - 8 TB

**6. Are you going to be receiving data from, or sharing data with an external third party?**

- No

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

- 0-4 years

*Guidance for questions 8 to 13*

**Highly restricted information defined in the Information security classification, ownership and secure information handling SOP is information that requires enhanced security as unauthorised disclosure could cause significant harm to individuals or to the University and its ambitions in respect of its purpose, vision and values. This could be: information that is subject to export controls; valuable intellectual property; security sensitive material or research in key industrial fields at particular risk of being targeted dey foreign states. See more examples of highly restricted information.**

**Personal information, also known as personal data, relates to identifiable living individuals. Personal data is classed as special category personal data if it includes any of the following types of information about an identifiable living individual: racial or ethnic origin; political opinions; religious or similar philosophical beliefs; trade union membership; genetic data; biometric data; health data; sexual life; sexual orientation.**

**Please note that in line with data protection law (the UK 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 information will you be processing (please select all that apply)?**

- No confidential or personal data

**9. How do you plan to store, protect and ensure confidentiality of any highly restricted data or personal data (please select all that apply)?**

- Not applicable

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

- Not applicable

**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?**

- Not applicable

**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?**

Prof David H Foster, Zeinab Tirandaz

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

2021-06-25

# Project details

**What is the purpose of your research project?**

Question not answered.

**What policies and guidelines on data management, data sharing, and data security are relevant to your research project?**

Question not answered.

# Responsibilities and Resources

**Who will be responsible for data management?**

Question not answered.

**What resources will you require to deliver your plan?**

Question not answered.

# Data Collection

**What data will you collect or create?**

Question not answered.

**How will the data be collected or created?**

Question not answered.

# Documentation and Metadata

**What documentation and metadata will accompany the data?**

Question not answered.

# Ethics and Legal Compliance

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4 of 6

**How will you manage any ethical issues?**

Question not answered.

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

Question not answered.

## Storage and backup

**How will the data be stored and backed up?**

Question not answered.

**How will you manage access and security?**

Question not answered.

## Selection and Preservation

**Which data should be retained, shared, and/or preserved?**

Question not answered.

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

Question not answered.

## Data Sharing

**How will you share the data?**

Question not answered.

**Are any restrictions on data sharing required?**

Question not answered.

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5 of 6