Plan Overview

A Data Management Plan created using DMPTool

Title: Landslides: Tech Transfer and Commercialization Advice

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Affiliation: Carnegie Mellon University (CMU)

Funder: United States Department of Transportation (DOT) (transportation.gov)

Template: Digital Curation Centre

Project abstract:

This sub-project is to support the main project "Improve highway safety by reducing the risks of landslides" with Zhuping Sheng from Morgan State University as PI. The support will consist of:

1. transfer the PI's knowledge of landslide detection and analysis in images to the main group

2. Explore deployment and commercialization possibilities

3. Explore follow-on research or development at CMU depending on results and needs

Start date: 07-01-2024

End date: 06-30-2025

Last modified: 04-01-2024

Landslides: Tech Transfer and Commercialization Advice

Data Collection

What data will you collect or create?

The data we will be collecting are images and and other information about landslides and their indicators

How will the data be collected or created?

Most of the data will come from the main project. We will add to their data pictures taken with our own cameras, open source data, and data we receive from potential partners.

Documentation and Metadata

What documentation and metadata will accompany the data?

The images will have time stamps and GPS.

Ethics and Legal Compliance

How will you manage any ethical issues?

The data will be taken in public places and the data contains no information about people. We do not anticipate any ethical issues. In the unlikely case that there is an issue, we will consult with IRB.

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

Data that we collect will be CMU IP and we will follow CMU's IP guidelines. Data IP from the lead project, open source data, or data from potential partners will be treated according to the agreed-upon rules.

Storage and Backup

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

Data will be stored on password protected devices, e.g. the laptop of the PI. The laptop is

automatically backed up daily.

How will you manage access and security?

The storage device is password protected.

Selection and Preservation

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

We anticipate to retain the data for several years. The main project will decide which data will be made public. We will share our data freely with the main project. Whenever appropriate, we will have data share agreements with outside partners.

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

The dataset will be preserved for the long term.

Data Sharing

How will you share the data?

We will freely share our data with the main project. Data from potential partners will be shared according to data share agreement.

Are any restrictions on data sharing required?

Data shared with potential outside partners will be shared according to data share agreement.

Responsibilities and Resources

Who will be responsible for data management?

For this sub-project the PI is responsible.

What resources will you require to deliver your plan?

We do not anticipate to require any special resources besides what we already have (e.g. a password protected laptop managed by CMU's IT department.)