Plan Overview

A Data Management Plan created using DMP Tool

Title: Near and Far: Alternative Futures for a Suburban Commercial Corridor

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Affiliation: Virginia Tech (vt.edu)

Funder: National Science Foundation (nsf.gov)

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Template: NSF-SBE: Social, Behavioral, Economic Sciences

Project abstract:

An interdisciplinary team from Virginia Tech proposes to join with an architectural firm to develop a new design methodology for a suburban commercial corridor in the Washington, DC metropolitan area. The corridor has many of the typical characteristics of sprawl. We seek design concepts and a design methodology that aligns with the dynamic, flexible, and uncertain character of the corridor, while bringing to it the social value that it currently lacks. The project will develop an active interface between 3D visualizations of urban scenarios and data and policy inputs to facilitate evaluation of alternates and to communicate with stakeholders.

Start date: 08-01-2021

End date: 01-31-2023

Last modified: 07-08-2024

Copyright information:

Near and Far: Alternative Futures for a Suburban Commercial Corridor

Roles and responsibilities

The DMP should outline the rights and obligations of all parties as to their roles and responsibilities in the management and retention of research data. It should also consider changes to roles and responsibilities that will occur should a principal investigator or co-PI leave the institution or project. Any costs should be explained in the Budget Justification pages.

Paul Kelsch, PI: Oversight of data production.

David Lever, co-PI: Primary administrator of data management and retention.

Robert Oliver, co-PI: Backup to primary administrator in event of leaving project, etc.

Other co-PIs and Senior Personnel: Assistance to primary administrator as needed.

Other team members: Curating of individual data production to ensure retention and availability for use by the team.

Expected data

The DMP should describe the types of data, samples, physical collections, software, curriculum materials, and other materials to be produced in the course of the project. It should then describe the expected types of data to be retained.

A report describing the project goals, methodology, findings, and outcomes. The report will contain ample graphic material, as the development of design concepts is the primary intent of the study. It will also contain socioeconomic, physiographic, and cultural information reflecting inputs from the disciplines involved in the study.

Presentation materials, using standard Powerpoint slides or applications like Miro, to communicate the results to community members and other stakeholders, and to governmental entities.

Period of data retention

SBE is committed to timely and rapid data distribution. However, it recognizes that types of data can vary widely and that acceptable norms also vary by scientific discipline. It is strongly committed, however, to the underlying principle of timely access, and applicants should address how this will be met in their DMP statement.

There will be no time limit to the distribution of or access to the data.

Data format and dissemination

The DMP should describe data formats, media, and dissemination approaches that will be used to make data and metadata available to others. Policies for public access and sharing should be described, including provisions for appropriate protection of privacy, confidentiality, security, intellectual property, or other rights or requirements. Research centers and major partnerships with industry or other user communities must also address how data are to be shared and managed with partners, center members, and other major stakeholders.

Data will be in the form of reports and presentation materials; other materials such as brochures will be considered. Most of the data will be in electronic format, accessible through university library sources and, if requested, through governmental sources. Hard copy materials may be produced for access in university libraries.

The public and students will have full access to all products of the study. Materials will be shared with community members and other stakeholders who participated in the study, and to those who request access.

It is not envisioned that the study will involve any concerns regarding privacy, confidentiality, security, intellectual property, or other rights or requirements.

Data storage and preservation of access

The DMP should describe physical and cyber resources and facilities that will be used for the effective preservation and storage of research data. These can include third party facilities and repositories.

Data will be stored electronically in the library system of Virginia Tech. Hard copies, as needed, will be stored in the university libraries, in particular the libraries of the College of Architecture and Urban Studies (Blacksburg, VA), the Washington-Alexandria Architecture Center (Alexandria, VA), and the School of Public and International Affairs (Arlington, VA). Hard copies may also be stored at other institutions of research or learning, as needed or deemed advisable.

Additional possible data management requirements

More stringent data management requirements may be specified in particular NSF solicitations or result from local policies and best practices at the PI's home institution. Additional requirements will be specified in the program solicitation and award conditions. Principal Investigators to be supported by such programs must discuss how they will meet these additional requirements in their Data Management Plans.

No additional data management requirements are envisioned.