

## **Data Management Plan**

**Project Title:** ANGLES: The Roadshow      **Institution:** University of Maryland

**Project Director:** J. Grant Dickie      **Budget:** \$49,929

**Beginning:** 10/01/2012      **Ending:** 09/30/2013      **Duration:** 12 months

This data management plan was created on September 12, 2011, for submission to the Office of Digital Humanities (ODH), National Endowment for the Humanities as required by ODH Guidelines in the interest of securing funding for this project. This is the first version of the data management plan associated with this data.

**Types of Data:** The data produced by this project will consist of software and accompanying documentation to support online encoding and editing of TEI XML documents. Comments will be included throughout the code to provide basic explanation of its intended functionality. Additional prose documentation will take the form of user stories describing desired functionality and use cases, structured reference material for the application programming interface (API), and free text explanations and examples.

**Data Standards and Capture:** The source code for software produced during this project will be open and freely-available. Documentation will be available in several opens: unicode plain text, HTML, and PDF.

**Metadata:** The HTML publication of the project documentation will be enriched with suitable elements from the Dublin Core metadata element set to properly identify creators and contributors of documentation. The use of Github to manage the source code for this project will also provide fine-grained file metadata documenting the evolution of the source code and the contributions of various programmers.

**Legal Policy:** In the absence of policies stipulated by the funding agency, researchers will release datasets and software under licenses identified in policies developed by the Maryland Institute for Technology in the Humanities (MITH) in consultation with the university libraries. For software, the Maryland Institute for Technology in the Humanities (MITH) uses an Apache License Version 2.0.

**Data Storage, Security, and Backup:** Source code and documentation will be managed through Github which also provides hosting for the data and documentation. Since Git is a protocol for distributed version control, copies of the data, file metadata and documentation will also be held locally. At least one copy of the project data will be physically stored on a password-protected server maintained by the University of Maryland. Data is backed up incrementally through a service provided by the Maryland Office of Information Technology, which has a proven record of and commitment to secure data archiving for the university. In addition to backups hosted on university servers, data will be copied to tape and stored at a geographically-distant site through a service provided by Iron Mountain information services. The specific volume of storage for this project is not anticipated to exceed 500 MB.

**Access, Sharing & Re-use:** All data from this project will be available for download and re-use through Github as well through the MITH website. Source code and documentation will be made immediately available over the entire course of the project. Researchers expect that this data will be re-used by programmers interested in contributing to the creation of an online tool for TEI editing. Also, editing projects and digital archives are likely to re-use this data in their own projects, perhaps with customizations suitable to their needs. There will be no additional permissions required to download or reuse data except for those specified above.

**Long-Term Preservation:** Within three years from the end of the grant period, data will be permanently archived with the University Libraries at Maryland. No data will remain on servers controlled by the Maryland Institute for Technology in the Humanities (MITH). Data will remain publicly available through Github and through the libraries' digital collections. The University of Maryland has an interest in investing in the management of data created by researchers affiliated with Maryland and to providing digital preservation services, such as file validation, integrity checks, and, if needed, format conversion.