



NATIONAL ENDOWMENT FOR THE
Humanities

DIVISION OF **PRESERVATION AND ACCESS**

**PRESERVATION AND
ACCESS RESEARCH AND
DEVELOPMENT**

SAMPLE PROJECTS

Brown University, Providence, RI

Peter A Scharf, Project Director

Enhancing Access to Primary Cultural Heritage Materials of India

The development of software to allow searching of Sanskrit manuscripts and their integration in a digital library. The project is based on a prototype that focuses on the “Mahabharata” and the “Bhagavata Purana.”

Outright funds of \$301,540 over a period of 18 months.

Duquesne University, Pittsburgh, PA

Patrick Juola, Project Director

A Machine-Aided Back-of-the-Book Indexing System

Development and evaluation of a prototype system to help indexers, including authors and publishers, produce traditional back-of-the-book indexes.

Outright funds of \$131,465 over a period of 24 months.

George Mason University, Fairfax, VA

Daniel J. Cohen, Project Director

Text-Mining and Analysis Tools for Historical Research

Research, development, and testing of tools designed to locate documents in large digital corpora, extract information, and analyze large-scale patterns across texts.

Outright funds of \$300,000 over a period of 24 months.

Heritage Preservation, Washington, DC

Jane S. Long, Project Director

Field Guide to Readiness and Response: A Tool for Archives, Libraries, and Museums

The preparation and dissemination of a “Field Guide to Emergency Readiness and Response,” providing step-by-step advice on how to salvage humanities collections immediately after a disaster.

Outright Funds of \$210,180 over a period of 24 months.

Indiana University, Bloomington, IN

Colin Allen, Project Director

InPhO @ Work: Providing Integrated Access to Philosophy

Design of an online ontology for the field of philosophy and development of tools for managing metacontent in a dynamic reference work.

Outright funds of \$400,000 over a period of 24 months.

Indiana University, Bloomington, IN

Daniel B. Reed, Project Director

Digital Preservation and Access for Global Audio Heritage

The development and testing of best practices for preserving analog sound recordings by converting them into digital form.

Outright Funds of \$348,441 over a period of 18 months.

Indiana University, Indianapolis, IN

David Bodenhamer, Project Director

New Tools for the Humanities: Visualizing Complex Spatial Data

The development of a prototype tool to explore and to visualize geospatial data in the humanities, based on the North American Religion Atlas (NARA), an interactive Web mapping site on religious adherence in the United States in the 20th century.

Outright funds of \$224,575 over a period of 24 months.

Lawrence Berkeley National Laboratory, Berkeley, CA

Jin Jian, Project Director

Developing an Optical Method to Recover Sound from Mechanical Recording Media

The construction and testing of a non-invasive state-of-the-art optical scanning system to recover recorded sound from a variety of mechanical formats, including 78 rpm, shellac, acetate, wax, and recording discs.

Outright Funds of \$350,000 over a period of 24 months.

New York Public Library, New York, NY

Evelyn Frangakis, Project Director

Developing Data Models and Best Practices for Diagnosis and Improvement of Preservation Environments

A joint project of the New York Public Library and the Image Permanence Institute to determine best practices for monitoring, evaluating, and optimizing environmental storage conditions in cultural repositories.

Outright Funds of \$350,000 over a period of 24 months.

Rochester Institute of Technology, Rochester, NY

Jean-Louis Bigourdan, Project Director

Methodologies for Sustainable HVAC Operation in Collection Environments

Investigation of the impact on paper-based collections of short-term fluctuations in environmental conditions resulting from the dynamic management, through temporary setbacks and shutoffs, of climate control systems. A guide will be published to help cultural institutions design and evaluate sustainable approaches to managing collection environments that achieve energy savings and long-term preservation of humanities collections.

Outright Funds of \$399,926 over a period of 36 months.

Tufts University, Medford, MA

Gregory R. Crane, Project Director

The Dynamic Lexicon: Cyberinfrastructure and the Automatic Analysis of Historical Languages

Research on methods to generate a dynamic lexicon for a text corpus in a digital library. Using Greek and Latin texts, the project investigates processes to enumerate possible senses for the words being defined and provide detailed syntactic information and statistical data about their use in a corpus.

Outright Funds of \$284,999 over a period of 24 months.

University of California, Berkeley, CA

Deborah Winthrop Anderson, Project Director

Universal Scripts Project

Incorporation of seventeen historical and minority language scripts into the Unicode standard for character representation.

Outright Funds of \$186,000 and Matching Funds of \$40,000 over a period of 24 months.

University of Maine, Orono, ME

Jon Cooper Ippolito, Project Director

Forging the Future: New Tools for Variable Media Preservation

The development of a new metadata standard and three complementary tools for the cataloging and preservation of born-digital and ephemeral artworks.

Outright Funds of \$307,691 over a period of 24 months.

University of Maryland, College Park, MD

Douglas Reside, Project Director

The Text Image Linking Environment (TILE)

The development of a Web-based image markup tool, the Text-Image Linking Environment, which scholars, curators, and editors can use to generate semi-automated links between images and text in digital archives.

Outright Funds of \$400,000 over a period of 24 months.

University of Missouri, Kansas City, MO

Jeffrey A. Rydberg-Cox, Project Director

The Digitization of 15th-Century Latin Printed Books

The development of tools to facilitate the process of digitizing and encoding Latin incunables.

Outright Funds of \$277,294 over a period of 24 months.

University of North Carolina, Chapel Hill, NC

Richard J.A. Talbert, Project Director

Pleiades: Creating an Interactive Internet Archive for Ancient Geography

The creation of an interactive Internet-based spatial and historical reference tool for the cartography of the ancient world, which expands and updates the NEH-supported Classical Atlas Project.

Outright Funds of \$389,883 over a period of 24 months.

University of Virginia, Charlottesville, VA

Daniel Pitti, Project Director

Enhancing Access to Contextual Information on Individuals, Families, and Corporate Bodies for Archival Collections

The development of an automated tool for deriving contextual information from archival finding aids, enhancing the information by matching it with established authority records, and enabling links to multiple primary and secondary humanities sources.

Outright Funds of \$348,221 over a period of 24 months.