

# Community-based Development of Preservation Services

CHIEN-YI HOU, RICHARD MARCIANO, AND CARYN WOJCIK

**Abstract:** The “Distributed Custodial Archival Preservation Environments” project, DCAPE, <http://dcape.org>, aims to develop a sustainable digital preservation service that meets the needs of archival repositories for trusted archival preservation services. DCAPE partners include archivists from state and university archives and other repositories. Based on the professional feedback from the community, DCAPE builds preservation policies on a state-of-the-art rule-based data management systems and provides an archivist-friendly interface to manage and preserve digital content.

In our presentation, we will describe the purpose of DCAPE, progress on the project, current functionality, and future development plan. DCAPE also looks at the application of the MOIMS-RAC assessment criteria and the development of sustainable preservation models. These are topics we will address

## About the author:

*Chien-Yi Hou* is a research associate at School of Information(SILS) and Library Science in University of North Carolina(UNC), Chapel Hill. He is also a member of the Sustainable Archives & Leveraging Technologies (SALT) group. Chien-Yi Hou's interests include digital archiving, information management, preservation policy, and databases. He has worked on various digital preservation projects that used data grids to preserve and manage data. The projects he is currently working on including, Distributed Custodial Archival Preservation Environments (DCAPE), Policy-Driven Repository Interoperability (PoDRI), and Temporal Dynamic Learning Center(TDLC). He obtained his degree in Computer and Information Science from the National Chiao Tung University (NCTU) in Taiwan and M.S. in Computer Science and Engineering from University of California, San Diego.

*Richard Marciano* is a Professor in the School of Information and Library Science at UNC, Chapel Hill. He is Director of the Sustainable Archives & Leveraging Technologies (SALT) group at UNC. Dr. Marciano has conducted research and development in preservation environments for the last decade on projects funded by NARA/NSF, NHPRC, LOC, and IMLS. He is the Principal Investigator (PI) for the Distributed Custodial Archival Preservation Environments (DCAPE) initiative, which looks at preservation sustainability and business models for long-term retention of e-records for state and university archives. He is also the PI on the e-Legacy project (Appraisal, Accessioning, and Preservation of Geospatial Records), and has served on the Electronic Records Section Steering Committee of the Society of American Archivists as well as a number of national and international advisory boards related to digital curation and records preservation.

*Caryn Wojcik* has worked for the State of Michigan since 1996. She is responsible for appraising public records for their historical value, developing Retention and Disposal Schedules for public records, training government employees about best practices for records management, and for developing electronic records management and preservation strategies. Ms. Wojcik received both her bachelor's degree in history (1993) and her master's degree in information and library science (1995) from the University of Michigan, Ann Arbor. She is a Certified Archivist (received 2001).

Ms. Wojcik participated in many grant projects funded by the National Historical Publications and Records Commission (NHPRC), including the SDSC Archivists' Workbench project, the Michigan RMA Pilot Project, the PERM Project, the PAT Project and DCAPE. Ms. Wojcik is secretary to the Board of Directors of the National Association of Government Archives and Records Administrators (NAGARA).