

## Why This Content Is Important

Maps tell a compelling story of change over time. They document movement, progress, and change to the landscape. Geographic Information Systems (GIS) are used as an analytical tool to model climate change, study demographic trends, and track changes in land use. They are also used to create thematic maps that paint the picture about "place."

GIS is at the heart of research into many of the critical issues faced by society today and its use helps drive key policy decisions. Efforts to address and model global warming, natural disaster planning and response, as well as crime enforcement and prevention all rely on both up- to-date geospatial data as well as carefully preserved historic content to conduct analysis and model change over time.



## State Partners

North Carolina Center for Geographic Information and Analysis  
[www.cgia.state.nc.us](http://www.cgia.state.nc.us)

North Carolina State Archives  
[www.archives.ncdcr.gov](http://www.archives.ncdcr.gov)

North Carolina State University Libraries  
[www.lib.ncsu.edu](http://www.lib.ncsu.edu)

Kentucky Department for Libraries and Archives  
[www.kdla.ky.gov](http://www.kdla.ky.gov)

Kentucky Division of Geographic Information  
[kygeonet.ky.gov](http://kygeonet.ky.gov)

Kentucky State University  
[www.kysu.edu](http://www.kysu.edu)

Montana State Library  
[msl.mt.gov](http://msl.mt.gov)

Utah Automated Geographic Reference Center  
[agrc.utah.gov](http://agrc.utah.gov)

Utah Division of Archives  
[www.archives.utah.gov](http://www.archives.utah.gov)

**Sponsored by:**  
Library of Congress  
National Digital Information  
Infrastructure and Preservation Program  
[www.digitalpreservation.gov](http://www.digitalpreservation.gov)

For more information please visit: [www.geomapp.net](http://www.geomapp.net)  
or call the NC Center for Geographic Information Analysis  
at (919) 754-6580

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# Preserving America's Geospatial Footprints

**Geospatial Multistate Archive  
and Preservation Partnership**

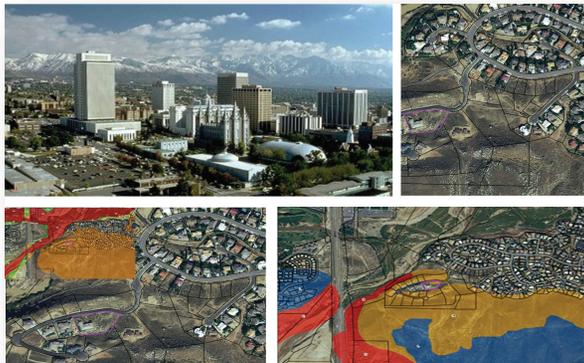


**A Collaboration Among State Agencies  
from Kentucky, Montana,  
North Carolina, and Utah**  
[www.geomapp.net](http://www.geomapp.net)

# The Challenge

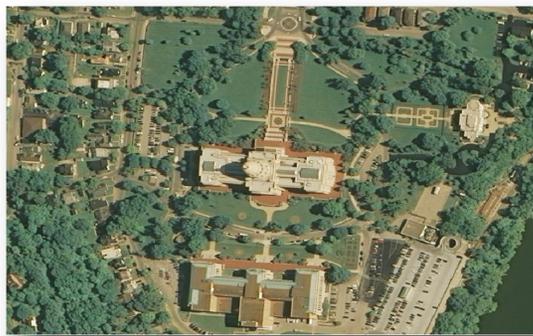
GeoMAPP pairs state government archives staff with geospatial experts to investigate the issues surrounding the preservation of geospatial content. Geospatial data are public records, many of which need to be preserved for their legal, fiscal, analytical, and historic value. Critical information captured in geospatial datasets include aerial imagery, land records, transportation, regulatory data, demographics, marine and natural resources.

This critical information is “at-risk” of being overwritten when updates or changes are made, causing the superseded snapshots to be unavailable for future use and analysis.



Challenges faced by the GeoMapp’s partners revolve around policies, process, inventory, appraisal, technical infrastructure, storage capacity, funding, and ensuring long term access.

According to the National Association of State CIOs (NASCIO) survey of state CIOs, *electronic records management/digital preservation, and geospatial analysis and GIS* were voted among the top technology priorities for state government in 2009. see [www.nascio.org/publications](http://www.nascio.org/publications)



# GeoMAPP Tools

GeoMAPP partners produced several tools to support the geochiving life cycle, including:

- Geoarchiving Self Assessment
- System Inventory Template to assess the technical infrastructure
- Intrastate Data Transfer Design outline
- Geospatial FGDC metadata that will be beneficial to the long-term preservation of GIS datasets
- Geospatial File Formats Quick Reference
- BagIt User Guide to support reliable inter-system geospatial data transfers

Check the Project Documents page of the GeoMAPP website for these and other soon to be released tools:

[www.geomapp.net/documents.htm](http://www.geomapp.net/documents.htm)

Also follow GeoMAPP on:



# A National Program

This project is funded by the Library of Congress’ National Digital Information Infrastructure and Preservation Program (NDIIPP) as part of its Preserving State Government Information initiative. This initiative focuses on capturing, preserving, and providing access to a rich variety of state and local government digital information.



## LIBRARY OF CONGRESS

NDIIPP’s mission is to develop a national strategy to collect, archive, and preserve for future generations the burgeoning amount of digital content, especially materials that are created only in digital formats. NDIIPP is working with a number of multi-state projects to preserve a variety of state and local government information with long-term value to Congress and others.



These projects focus on capturing, preserving, and making available significant digital content; building and strengthening a network of partners; and developing a technical infrastructure of tools and services. Each project will share these tools and services as well as standards and best practices to help every state manage its digital heritage.