Data Preservation Special Interest Group Meeting

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How would you describe your geospatial archive?



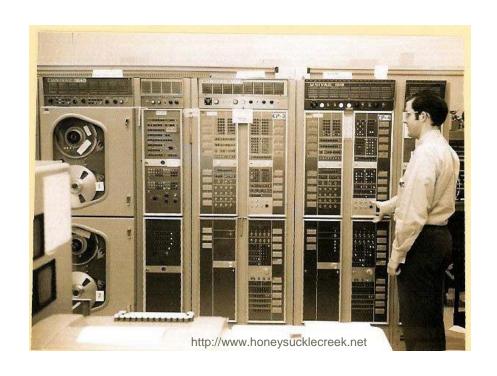
We're doing backups, isn't that archiving?

- Backups a means to save and recover current records
- Personal Archives- "Keeping stuff" on external media or on hard drives or SAN
- True Archiving formally preserving important data permanently in a trusted digital repository



Digital preservation points of failure

- Data is not saved, or ...
- can't be found, or ...
- media is obsolete, or ...
- media is corrupt, or ...
- format is obsolete, or ...
- file is corrupt, or ...
- meaning is lost



What are the special risks to geospatial information?

- Unique geospatial data formats
- Spatial database complexity
- Fragility and uncertainty surrounding digital cartographic representation
- Issues related to time-versioned content
- Metadata unavailability or inconsistency
- No generally supported content packaging design for complex geospatial data

Library of Congress National Digital Information Infrastructure and Preservation Program (NDIIPP)

Mission: To ensure access over time to a rich body of digital content through the establishment of a national network of partners committed to selecting, collecting and preserving at-risk digital information

- Learn By Doing
- Catalyze Activity

- Support Collaboration
- Break Down Boundaries

NDIIPP Geospatial Projects

National Geospatial Digital Archive (2004-2009)

NC Geospatial Data Archiving Project (2004-2009)

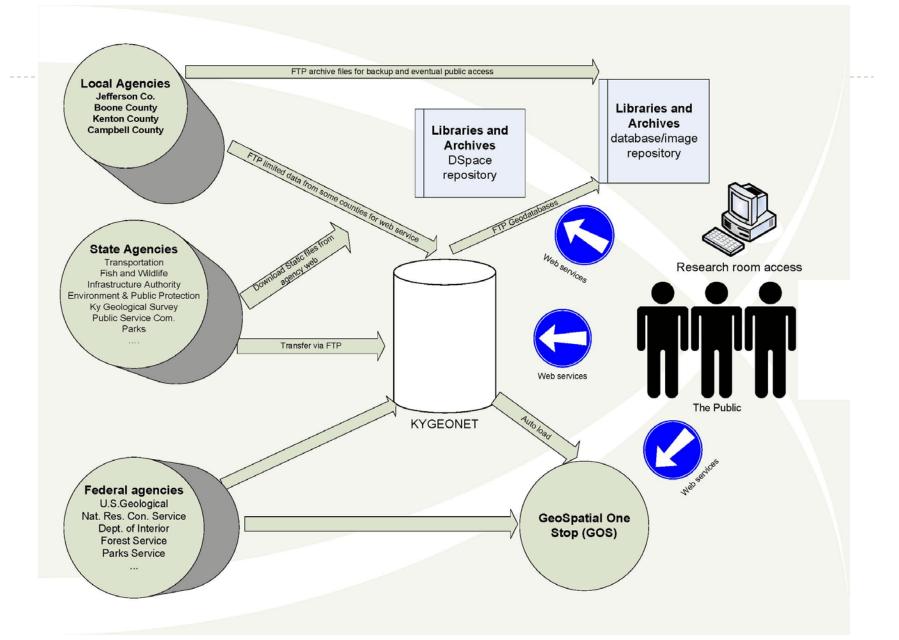
Geospatial Multistate Archive and Preservation Partnership (2007-2011)

CIESIN Geospatial Preservation Portal (2010-)

digitalpreservation.gov

What is GeoMAPP?

- Preservation of "at risk" superseded geospatial content
- Building the relationship between State GIS and Archives staff
- Interstate partnerships (NC, KY, UT and new partners)
- Exploration of business case drivers
- Data replication among several states
- Implementation of a geographically dispersed contentexchange network
- Local, state and national outreach



Big picture GeoMAPP takeaways

- Collaboration is a key
 - GIS & Archives staff
 - Get to know your data producers



- Make it official (data appraisal/ records scheduling)
- Leverage existing workflows and investigate new sustainable processes to make the data last
 - Don't re-invent the wheel
 - Keep data discoverable/ accessible/ usable for future use
 - Justify the investment (business case)



Questions for discussion

- What is the level of awareness in the vendor community?
- Spatial databases (Geodatabases): How are you handling temporal data management and archiving?
- How you handling archiving of GIS projects?
- How are you handling capture and archiving of cartographic representations?
- What approach do you use for transfer of data between organizational entities?
- How are you handling storage for large raster collections?
- If you are capturing snapshots of vector data, with what frequency do you capture versions?

Question: What is the level of awareness in the vendor community?

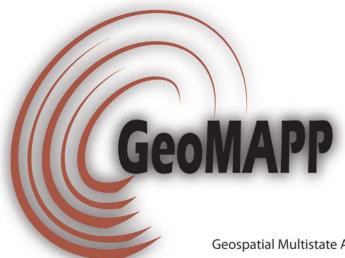
- Is archival support on the radar for current / future feature development in products?
- Are customers requesting more support from vendors to support archival features in future releases?
- What are the most effective mechanisms for clients and vendors to collaborate on developing archival support features?

Question: How are you handling spatial databases?

- Managing temporal data forward in active database?
- Transferring database snapshots to an archive?
- Transactional updates to an archive?
- Extracting feature datasets as shapefiles?

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http://www.geomapp.net

Geospatial Multistate Archive and Preservation Partnership