

The following was presented at DMT'12
(May 20-23, 2012).

The contents are provisional and will be
superseded by a paper in the
DMT'12 Proceedings.

See also earlier Proceedings (1997-2011)

<http://ngmdb.usgs.gov/info/dmt/>

NCGMP through the Data Preservation Lens:

Preparing for the future
by digging
into the past



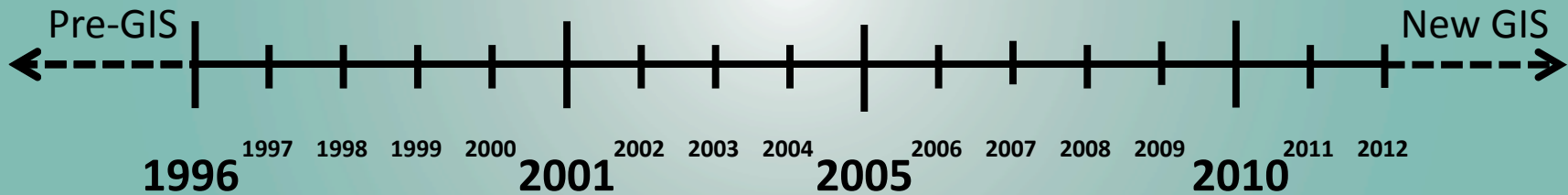
NCGMP at the AZGS: Today's map database standard

- Contains:
 - Standardized schema
 - Standardized symbology
 - Standardized vocabularies*
- Uses:
 - Compilation
 - Publication
 - Archival

NCGMP Toolbar

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graph TD; A[Standardized vocabularies*] --> B[NCGMP Toolbar]; B --> C[Compilation]; B --> D[Publication];
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AZGS GIS Timeline



National Geological and Geophysical Data Preservation program: Phase III (2010 – 2011)

- Goal: convert legacy data into common database format
- AZGS Datasets since 2000
 - 71 Digital Geologic Maps
 - 27 Digital Information Series
 - 98 total
- Flagged for preservation - 56

NGGDPP

Phase III Plan

- Locate best data vintage
- Check existing data quality
- Map vocabulary from older or non-standard vocabulary to our current vocabularies
- Load data from existing tables and feature classes into National Cooperative Geologic Mapping Program (NCGMP) 2009 database schema
- Verify that all relevant geologic data was captured in NCGMP geodatabase

NGGDPP

Phase III Summary

- 90% of feature classes transferred
- Vocabularies updated – GeoSciML
- Symbology updated – CartoObjID -> FGDC
Carto specs
- Challenges:
 - Missing or incomplete data

Today and Tomorrow

- QA/QC
- New map layouts
- Online maps