The National Geospatial Digital Archive

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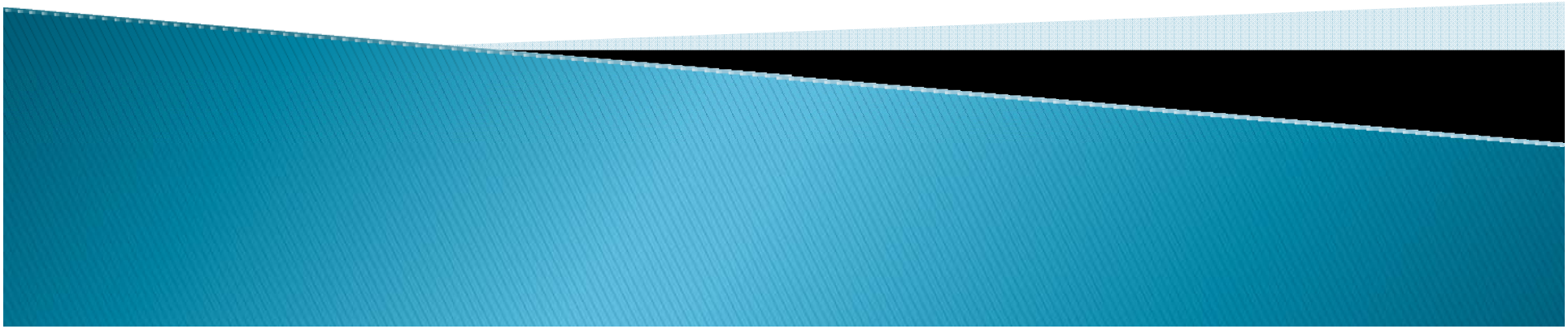
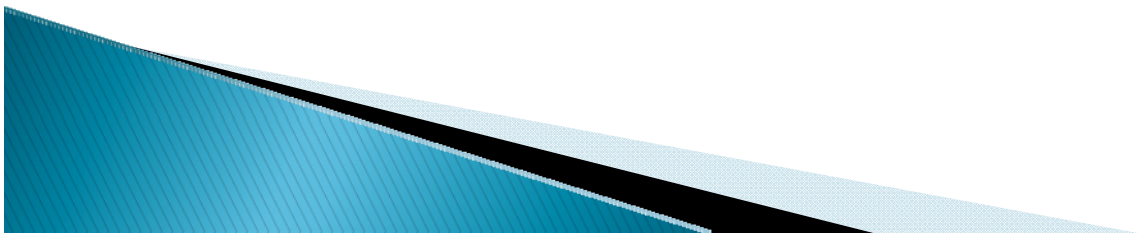
National Preservation and Access Meeting

November 13, 2009



NDIIPP and the NGDA: Goals

- Create a new national federated network committed to archiving geospatial imagery and data.
- Investigate the proper and optimal roles of such a federated archive.
- Collect and archive major segments of at-risk digital geospatial data and images.
- Develop best practices for the presentation of archived digital geospatial data.
- Develop partner communication mechanisms for the project and then ongoing.
- Develop a series of policy agreements governing retention, rights management, obligations of partners, interoperability of systems, and exchange of digital objects.



Content Collection: Scanned maps

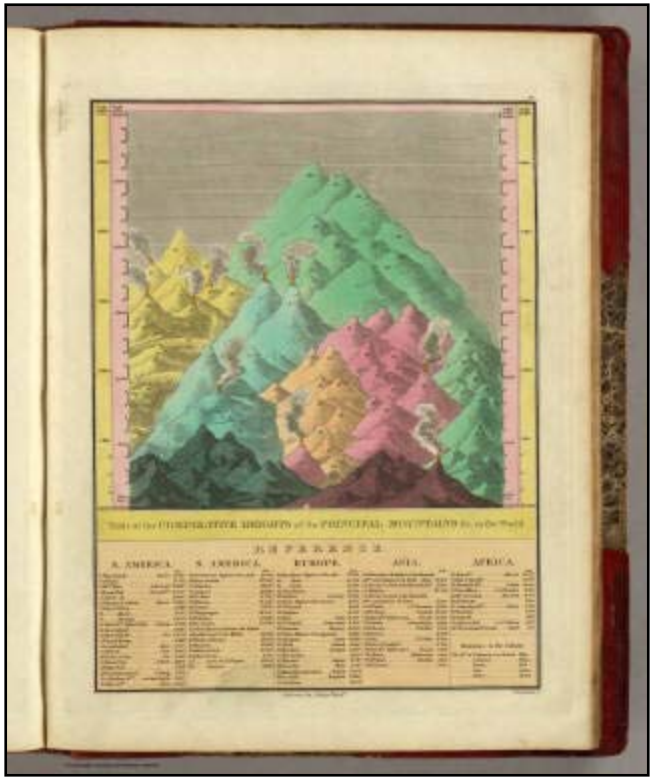
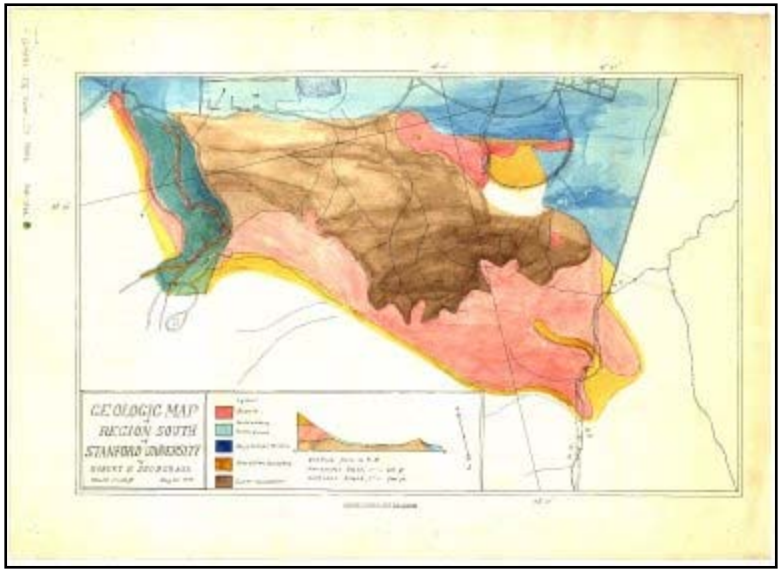


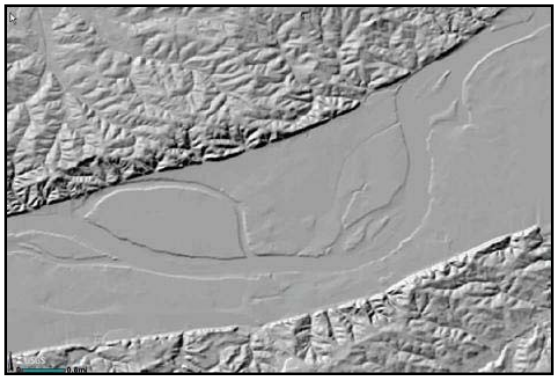
Table of the Comparative Heights of the Principal Mountains &c. in the World ... Published by A. Finley Philada. Young & Delleker Sc., 1831, from the David Rumsey Collection.



Geologic map of region south of Stanford University by Robert E. Snodgrass, 1900, from the Stanford Geological Survey Collection.

Content Collection: Geospatial Data

- California Spatial Information Library (CASIL)
- 30 meter worldwide DEM data
- 10 meter United States DEM data
- Layers from the National Atlas
- VMAP0 and VMAP1 data
- High resolution orthoimagery
  - Bay Area
  - Stanford University
- Georeferenced JOGs
- USGS Global GIS layers



DEM from the National Atlas

Collecting with a Purpose

- Collection development policies
  - Only digital geospatial content
  - Directly aligned with research and pedagogical needs
- Three policies written
  - Overarching policy for the NGDA
  - SU and UCSB specific policies
- What to collect, how to collect

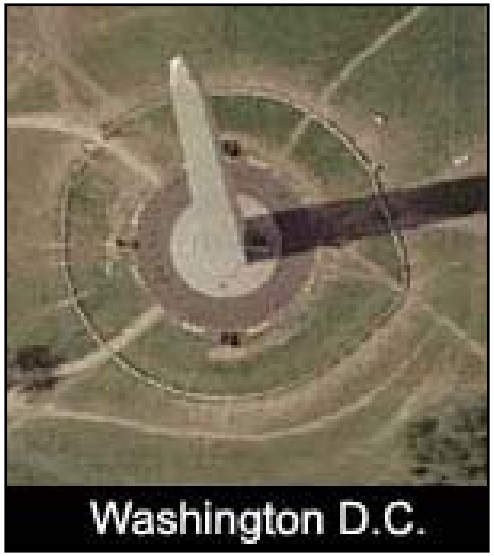


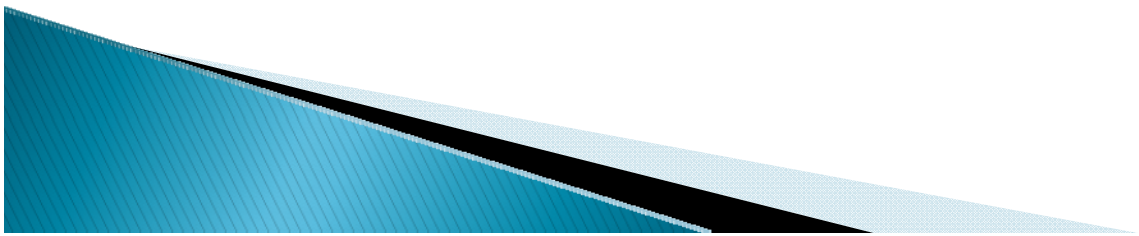
Image from the USGS orthoimagery site

Stewardship

- Accessioning the content as it comes in (SU)
  - Check summing and transferring to servers
  - Collecting/assessing metadata
- Stanford Digital Library ingest
  - Over 80 terabytes of data (5 terabytes geospatial)
  - Content agnostic dark archive
  - Separate access layers depending upon content
- UC Santa Barbara ingest
  - Over 15 terabytes of geospatial data
  - Dedicated geospatial repository
  - Access through the Alexandria Digital Library

Shared responsibilities

- Non-technical:
  - Content collection
  - Access to licensed content through contracts
  - Commitment to collaborate through the Node to Node agreement
- Technical:
  - Creation of format definitions, contribution to registry efforts
  - Testing of joint access mechanisms
  - Build out of two long term repositories



For more information

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- NGDA website
  - www.ngda.org
- NDIIPP website
  - www.digitalpreservation.gov