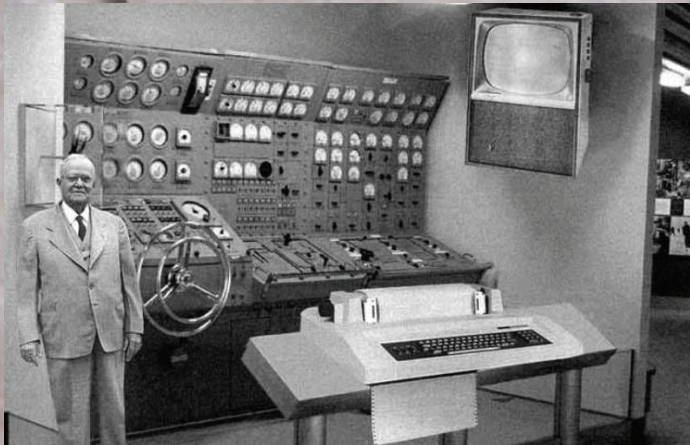


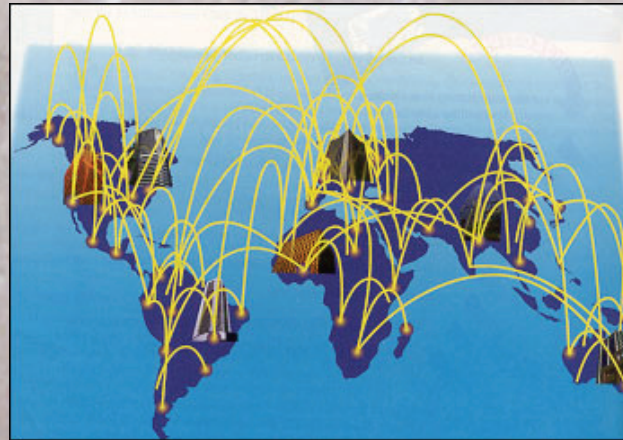
DATA MANAGEMENT AND ACCESS

Michael Barton & Ramón Arrowsmith



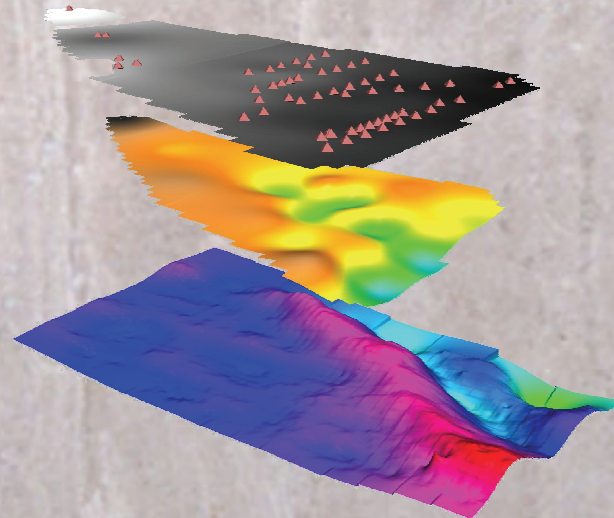
Who Needs Access?

- Writing vs. reading
- ASU vs. non-ASU (including foreign)



Uses for Managed Data?

- Modeling
 - GIS format
- Research products
 - Model algorithms and software
 - Publications
 - Education
 - Geospatial data
 - “Raw” data for sites, geology, botany, etc.



What Will Be Archived & for How Long?

- Intermediate products
 - How long
 - When to cull?
- Final products
 - What are they?
 - Archival responsibilities?



What Are Storage Needs?

- Size
- Data formats
 - GIS
 - Imagery
 - Tabular
 - Text
 - PDF
 - PowerPoint
 - Other?



Types of Access for Different Audiences

- Restricted
 - FTP
 - Web
 - Network
 - Levels of access
 - Research team
 - Students
 - Outside researchers
- Open
 - Web
 - Other permitted?





Framework for data management

- Short-term
 - Anthro ftp server
 - Geological sciences ArcIMS server
 - Importance of metadata from outset
 - Windows 2004 based
- Medium-term
 - Project data server and modeling test bed
 - Linux based
 - Scaleable into modeling cluster

The background features a large, light-colored circle on the left side. Several small globes are scattered across the top and right areas, and a larger globe is positioned in the bottom right corner. The overall background has a textured, light brown appearance.

Framework for data management

- Project-life: options, advantages, & disadvantages
 - Project data/web server
 - We have control
 - We have responsibility
 - Library server
 - Archives are their business
 - Research projects are not their business
 - Other university-wide (IT?) solution
 - INCISE project
 - AFS servers
 - Servers are their business
 - Archiving is not their business
 - They want to recover costs
 - Front end/dissemination medium development



Framework for data management

- Post-project
 - (Will there be a “post-project”?)
 - Need for long-term archive
 - Responsibilities to scientific and other communities
 - Library mission