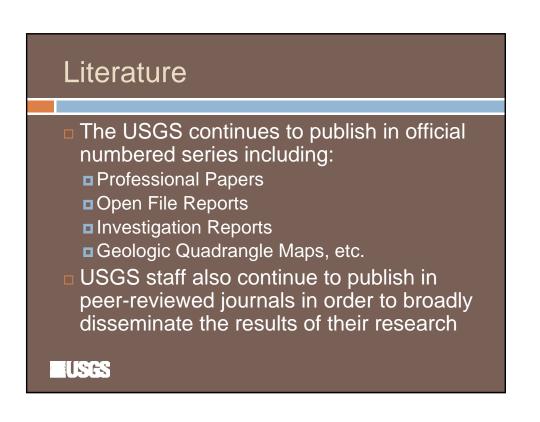




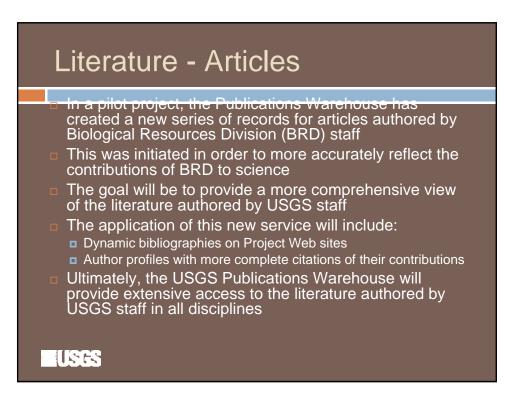
Overview

- The model for publishing scientific research is changing in every arena
- Government agencies are behind commercial publishing in embracing changes to models of information dissemination
- The USGS is committed to disseminating the products of its scientific research
- There are challenges facing both the producers of products and those that would collect and/or share the information



Literature - Reports

- All USGS Series reports are required to be published in a digital format
- Digital publications are required to be posted in a shared Web space and listed in the USGS Publications Warehouse
- Previously digitized publications (in DJVU format) are being converted into a standard PDF format
- In 2010, all digital publications will be receiving a Handle for persistent linking



Maps

- The USGS continues to produce maps that express scientific analysis and interpretation as well as base data for the presentation of science
- Mapping and Geographic Information Services (GIS) are converging to produce better information in a more timely manner
- The USGS is working to identify approaches to disseminating map information, current, historical, and future

-USES

Maps - Topographic

- The National Map program began producing new digital topographic maps in 2009
- These new products integrate aerial photography with current map layer data from the National Map
- In 2010, they will add elevation and hydrology to the layers available
- As part of this effort, all prior topographic maps (all scales, all editions) are being digitized
- Future goals are to integrate historical maps with current data for analysis
- New topographic maps are not be being printed by the USGS but they are available as print-on-demand

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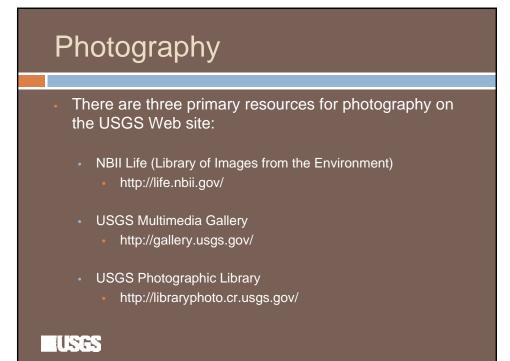
Maps - Thematic

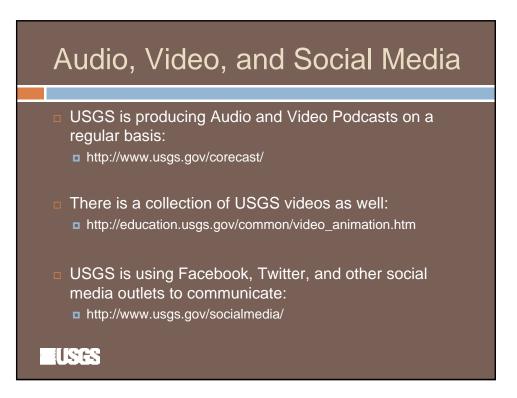
- USGS research programs continue to produce thematic maps when appropriate for the presentation of their research
- Their decision to print is one based on their own goals and financial capability
- Programs like the National Geologic Map Database continue to actively pursue digitization of historical thematic maps
- Thematic maps are also being provided as data, shape files, and Web Services for use in other scientific research and education efforts

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Imagery

- The LandSat imagery is now free and every effort is being made to offer new imagery online for free in the future
- Some fee-based services are still available for acquiring enhanced resolution or other special requests
- The EROS Data Center is changing its business model to offer free access to digital imagery
- EROS is now an authorized repository for the National Archives, ensuring long-term stewardship of this information at the USGS





Data and Data Systems

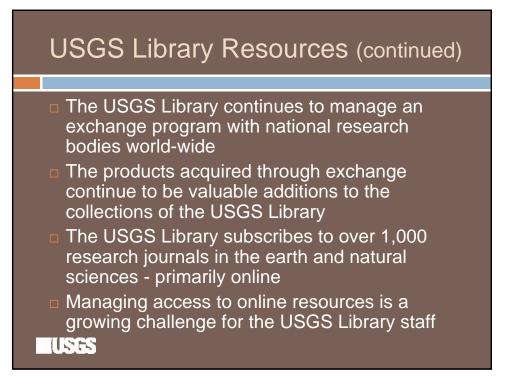
- The USGS maintains a number of important data sets for access and use by the public:
 - National Water Information System (NWIS)
 - Geographic Names Information System (GNIS)
 - Mineral Resources Data System (MRData)
- The USGS is including these data sets in the new federal government portal:
- http://www.data.gov/
- USGS is investigating strategies for archiving data sets large and small - for ongoing availability in the future
- The USGS Library is participating in these investigations and is a partner in the NSF-funded DataOne Project

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USGS Library Resources

- The Publications Warehouse is now programmatically aligned with the USGS Library
- The USGS Library is piloting repository services as one solution for managing digital assets effectively
- The potential exists to also digitize some collections held in the USGS Library
- The USGS Library is now considering "curation" of digital assets to be part of its core mission
- Managing the metadata for all of these different digital assets is a common challenge: and one libraries are poised to address

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Conclusion

- As the publishing models change, the process of providing access to literature will have to change as well
- USGS is trying to navigate these challenges in ways that can support access to the literature for discovery, citation, and long-term access
- The USGS Library wants to be the connection between libraries and the Bureau

Contacts and Links

- USGS Publications Warehouse
 <u>http://pubs.usgs.gov/</u>
- USGS Topographic Maps
 <u>http://wwwthenationalmap.gov/</u>
- EROS LandSat Imagery
 <u>http://earthexplorer.usgs.go</u>
- USGS Social Media page:
 - <u>http://www.usgs.gov/socialmedia</u>
- Richard Huffine, USGS National Library Coordinator
 - http://librarv.usgs.gov/
 - **7**03-648-7182,
 - rhuffine@usgs.gov

- NBII Life (Library of Images from the Environment)
 - http://life.nbii.gov/
- USGS Multimedia Gallery
 - <u>http://gallery.usgs.gov/</u>
- USGS Photographic Library
 - <u>http://libraryphoto.cr.usgs.gov</u>
- Audio and Video Podcasts
 - http://www.usgs.gov/corecast
- Collection of USGS videos :
 - <u>http://education.usgs.gov/common/video_animation.htm</u>