

Scientific Data Management for Government Agencies

Data Policies and Data Management Planning

*Department of the Interior
Geospatial Information Officer*



Topics for Today

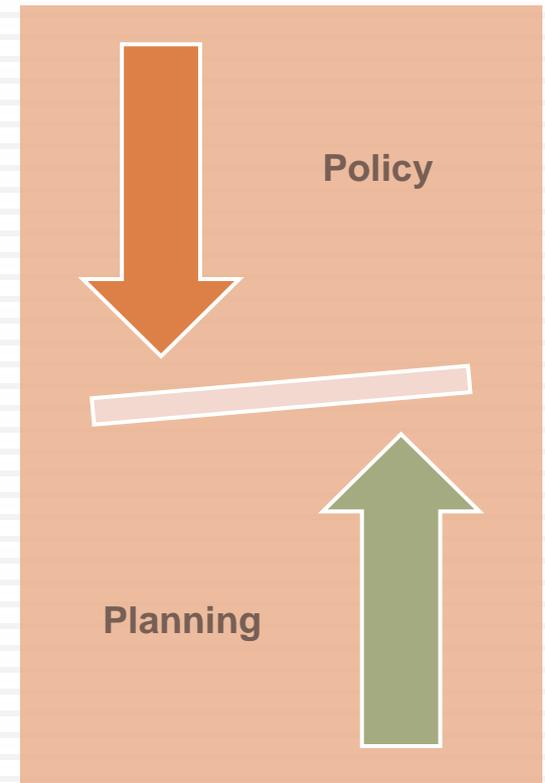
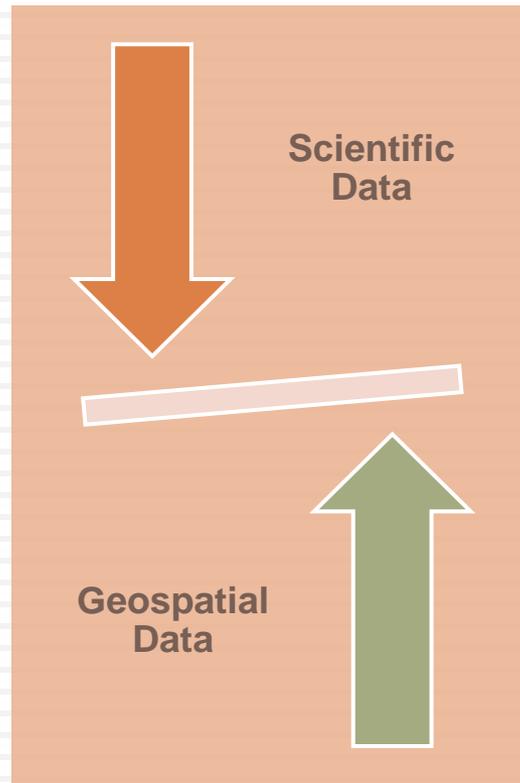
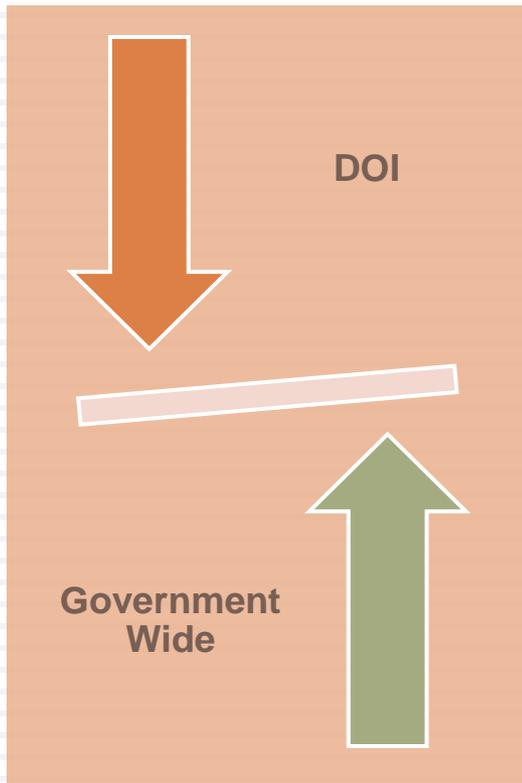
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- Data About the Department of the Interior
- Data Policies and Planning
- Current Geospatial Data Activities
- Ideas (Data) to Consider in Measuring Success



Focus

3



Department of the Interior

4

□ Nine Bureaus

- Bureau of Indian Affairs
- Bureau of Indian Education
- Bureau of Land Management
- Bureau of Ocean Energy Management, Regulation, and Enforcement
- Office of Surface Mining
- National Park Service
- U.S. Fish and Wildlife Service
- U.S. Geological Survey
- Bureau of Reclamation

□ Collectively

- 2,400 operating locations
- 68,000 employees

□ By the Numbers

- Oversee 500 million acres of surface land and 1.7 billion acres of the Outer Continental Shelf
- Deliver irrigation water to 1 of every 5 western farmers and provide water for 31 million people
- Welcome more than 500 million visitors a year
- Account for about 30 percent of the nation's energy production
- Work in partnership with 562 Indian tribes
- Provide education services to approximately 60,000 Indians
- Image the Earth every 16 days and archive 38 years of satellite data
- Monitor water quantity and quality at 77,000+ stream gages
- Maintain 50,000 topographic maps



And . . .

5

- Coordinate Federal activities Insular Areas
- Oversee national marine monuments e.g., Marianas Trench Marine National Monument
- Conduct collaborative science projects around the world
- Monitor natural hazards such as volcanoes, earthquakes, landslides, and disease
- Monitor and remediate abandoned mine lands and regulate coal mining
- Protect endangered or threatened species, conserve migratory bird populations, improve habitat of marine mammals and fish, and control invasive species
- Operate fish hatcheries, dams, reservoirs, parks, refuges, and schools
- Produce and provide access to data
- Serve as the lead coordinating agency for geospatial information



DOI's Geospatial Portfolio

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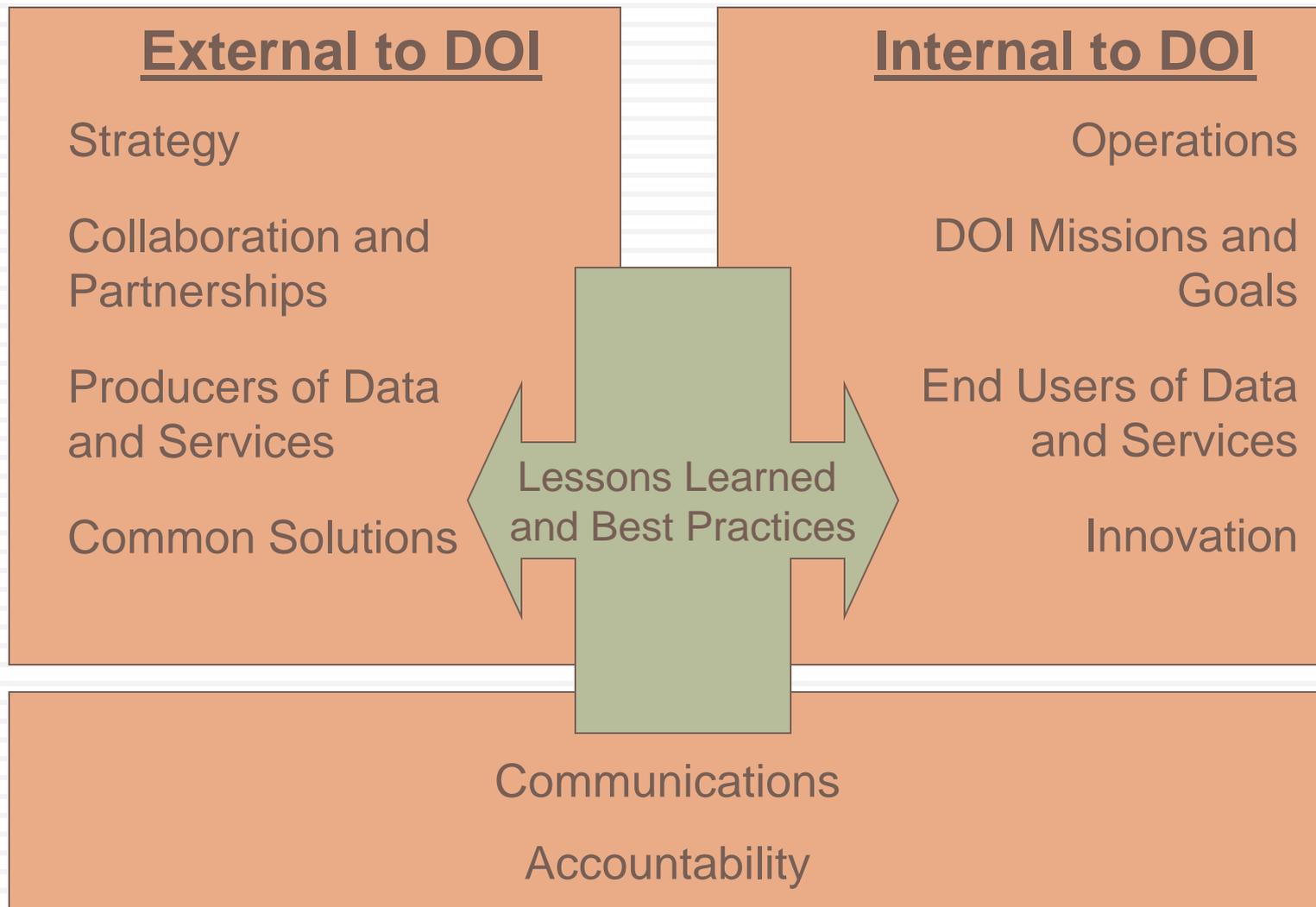
- DOI Government-Wide Geospatial Responsibilities
 - Federal Geographic Data Committee Chair
 - National Geospatial Advisory Committee Oversight
 - Geospatial Line Of Business Managing Partner
 - Geospatial One Stop Project Managing Partner
 - Geospatial Platform Managing Partner

- DOI Internal Geospatial Activities
 - Nine Bureaus (Four Assistant Secretaries)
 - All Use Geospatial Data and Technology
 - DOI Geospatial Modernization Blueprint
 - Secretarial Order 3277 - “Enhanced Geospatial Governance”



GIO Focus

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5 Policy and Planning Activities To Consider

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- Geospatial Platform Roadmap
- OMB Circular A-16 Supplemental Guidance
- “Imagery for the Nation” Business Case
- DOI Methodology for Business Transformation
- USGS Science Strategy



4 Thoughts on Policy and Planning

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- Focus on mission enhancement and alignment
- Look for cross-cutting issues and opportunities
- Engage vertical government
- Pave the way for action



Thank You!

