DOI Geospatial Modernization Blueprint

Blueprint Implementation Update – 500 Day Plan

The 500 Day Plan is the implementation plan designed to realize the target state outlined in the Geospatial Modernization Blueprint for Transformation (GMBT).

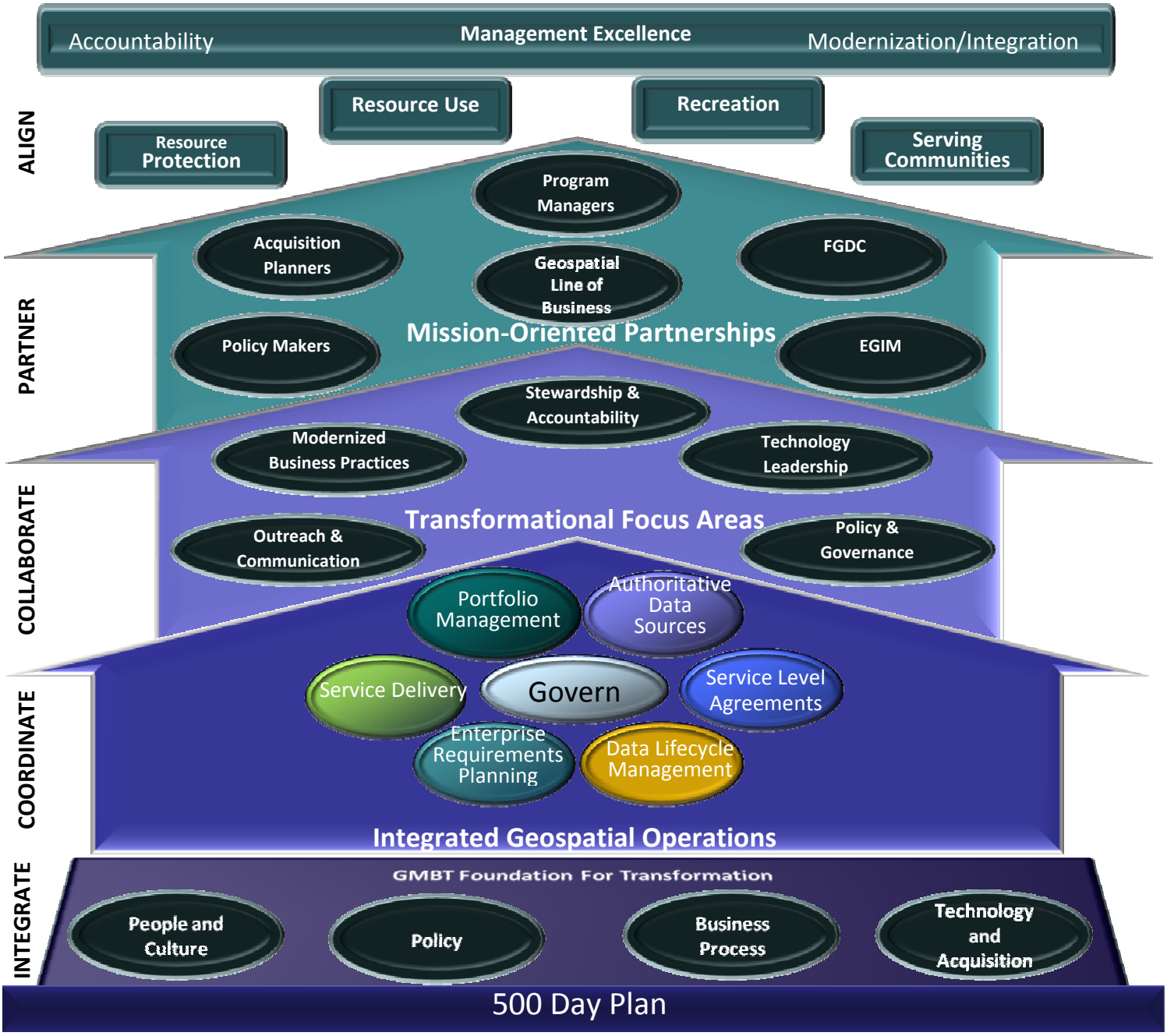
The Plan will manage the critical steps of change to ensure barriers to collaboration are removed, cross-organizational relationships are nurtured, and strategies are aligned and tied to budget and performance.

The Plan is aligned with the principles of the current DOI Strategic Plan; specifically focused on DOI Management Excellence initiatives (increasing accountability, advancing modernization and integration).

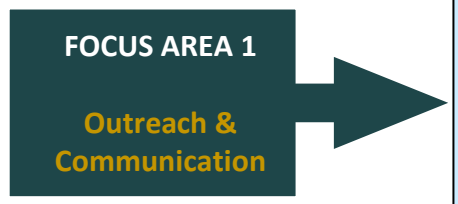
The Plan uilds upon the foundation of the GMBT to:

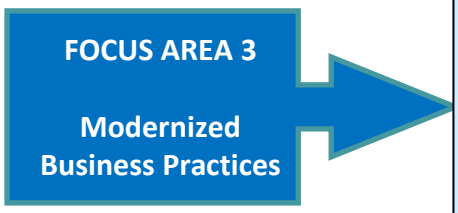
- **Integrate** people, processes, technology, and policy
- **Coordinate** geospatial aspects of mission operations
- **Collaborate** across bureaus for transformational results
- **Partner** with acquisition planners, policy makers, program managers, state and federal coordinating bodies (NSGIC, Geospatial LoB, NGAC, etc.)
- **Align** with DOI mission objectives.

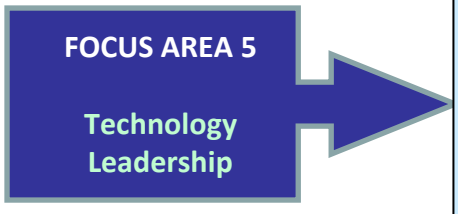
The Plan will be bound by a set of key milestones and results measures.



ORGANIZING FRAMEWORK:







CORE INITATIVES	SUPPORTING INITATIVES
o Develop/Execute Communications and Change Management Plans o Encourage Inter-departmental Collaboration o Keep Business Leaders Informed	o Conduct GMBT roadshow briefings o Engage bureaus/programs through EGIM o Define performance success criteria and report GMBT implementation progress o Align with Geospatial LoB
o Develop Data Assets and Services o Support Expanded ADS Stewardship Capabilities Development	o Prioritize and establish certification process for ADS's o Pilot Trails and NILS ADS certification process o Identify ADS services priorities o Develop ADS service delivery implementation plans
o Implement Enterprise Business Requirements Planning o Implement Portfolio Management o Manage ADS Product Generation Services o Geo-enable Facilities Business Systems and Services	o Infuse business requirements planning into budget planning process (CPIC, FBMS) o Develop sustaining portfolio management processes and performance criteria o Standardize business policies, processes, and manage service delivery for enterprise requirements o Restructure geospatial product and services access
o Establish and Manage ADS, Data Lifecycle, Business Requirements, and Cross-agency Funding Policy and Processes o Establish Geospatial Management Office (GMO) o Manage Service Delivery and Customer Product Requests	o Establish and pilot ADS steward certification process o Identify performance measures, reporting process & Monitoring mechanisms o Develop fee for service and cross-agency funding mechanisms o Manage ADS data lifecycle management activities o Develop and manage ADS service level agreements
o Standardize and Manage Data and Services Applications o Standardize and Manage Technology and Data Licensing	o Identify and execute software and data enterprise license agreements o Adopt appropriate Federal geospatial enterprise architecture standards o Establish new ELA's for key Asupporting technologies

ORGANIZING FRAMEWORK (continued):

Focus Area 1 – Outreach & Communication

Problem: *Historically, cross-departmental linkages between geospatial programs and personnel have been too limited. A means for effective collaboration must be more systematically addressed. Program personnel have not fully developed the mutual trust or information sharing networks that enable a DOI culture of collaboration.*

Approach: *Leverage EGIM and GMO capabilities to develop a collaborative culture across all geospatial programs and personnel that sustains and promotes incentives for collaboration across boundaries. Routinely conduct outreach and report progress to business leaders.*

Milestones and Activities:

- Expand Inter-bureau joint planning activities
- Quarterly roadshow outreach campaigns
- Enhanced EGIM website
- Active conference representation/participation
- Routine implementation performance reporting

Impact:

- Consistently informed and supportive leadership
- Increased cross-program productivity
- Improved cross-program awareness
- Geospatial LoB alignment and leadership

Focus Area 2 – Stewardship & Accountability

Problem: *Currently, DOI geospatial information is produced and maintained by many different bureaus and program areas primarily to serve mission or program needs. As a result, DOI geospatial information management is not well coordinated across bureaus and programs.*

Approach: *First, designate a set of reliable, managed repositories of similar geospatial information. Second, create a set of shareable services, a service-oriented architecture, and SLA's that uses an ADS to provide maps, data, and data exchange capabilities for multiple consumers.*

Milestones and Activities:

- DOI ADS policy release
- Establish key universal ADS practices & standards
- Establish ADS performance measures, monitoring and reporting
- ADS transitioning & maintenance for priority datasets

Impact:

- Accelerated adoption of data stewardship principles
- Better ADS planning and investment decisions
- More responsive service delivery capability
- Matured and standardized data lifecycle management process

Focus Area 3 – Modernized Business Practices

Problem: *Currently, DOI does not coordinate the capture of enterprise geospatial business requirements resulting in multiple bureaus and programs often unaware of shared geospatial resource use opportunities or cost sharing.*

Approach: *Develop a mechanism for coordinating work planning processes that can help identify, review and prioritize investment requests based upon business requirements. Additionally, evaluate the geospatial portfolio to ensure optimal investment strategies.*

Milestones and Activities:

- Pilot business requirements management & investment planning for FY2010
- Develop enterprise requirements repository
- Develop an inventory of enterprise geospatial data and service assets
- Establish and maintain a catalog of products & services.

Impact:

- Identification and management of cost avoidance opportunities
- Improved effectiveness of geospatial related investments
- Standardized business requirements expression synchronized with existing business planning and CPIC

Focus Area 4 – Policy & Governance

Problem: *Today, business and operational requirements are not coordinated to the extent necessary to guide the evolution of geospatial data and services from the current baseline to the target state. Exchange agreements, ELA's, SLA's, service performance management and geospatial data and services acquisition processes are not necessarily coordinated at the geospatial enterprise level.*

Approach: *Develop mechanisms to ensure that policy, funding, service relationships, existing federated investment processes, and future funding strategies are coordinated and equitable in support of evolving federated geospatial assets.*

Milestones and Activities:

- Establish ADS services funding model
- Develop shared funding mechanism for consolidated enterprise requirements
- Establish enhanced budget coding to support geospatial tracking and portfolio management
- Develop FY2010 funding requests

Impact:

- Geospatial enterprise transparency through centralized management (GMO)
- Improved management of service and enterprise level agreements (SLAs and ELAs)
- Performance management, accountability and reporting

ORGANIZING FRAMEWORK (continued):

Focus Area 5 – Technology Leadership

Problem: *To date, DOI has evolved a fragmented approach to the adoption of interoperability standards and the licensing of enterprise geospatial technology. This practice has resulted in increased support costs for technology investments that are potentially duplicative or do not support industry standards.*

Approach: *Adopt appropriate existing federal geospatial interoperability standards for new and existing technology investments. Establish key supporting technology ELA strategies and develop OGC data interoperability training classes for developers.*

Milestones and Activities:

- Adopt Federal geospatial EA standards for geospatial technologies in the DOI TRM
- Begin training developers on OGC data interoperability standards
- Leverage ELA's for key supporting geospatial technologies

Impact:

- Access to standardized technologies and data solutions that meet industry best practices
- Lower overall enterprise-wide technology costs

Abbreviations and Acronyms:

ADS	Authoritative Data Source/Service
CPIC	Capital Planning and Investment Control
DOI	Department of the Interior
EA	Enterprise Architecture
EGIM	Enterprise Geospatial Information Mgmt
ELA	Enterprise License Agreements
FBMS	Financial Business Management System
FGDC	Federal Geographic Data Committee
GeoLoB	Geospatial Line of Business
GMBT	Geospatial Modernization Blueprint for Transformation
GMO	Geospatial Management Office
IRB	Investment Review Board
LoB	Line of Business
NGAC	National Geospatial Advisory Committee
NILS	National Integrated Lands System
NSGIC	National States Geographic Information Council
OGC	Open GIS Consortium
TRM	Technical Resource Model

Further Information:

Department of the Interior, 2007, DOI Enterprise Architecture, Geospatial Modernization Blueprint, Recommendations and Architectures. p. 330

Department of the Interior, 2007, Geospatial Services Model – Serving the Geographic Business Needs of the U.S. Department of the Interior. p. 44. Available at: http://www.nps.gov/~gis/egim/documents/DOI_Geospatial_Services_Model_web.pdf

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Federal Chief Information Officers Council and Federal Geographic Data Committee (FGDC), 2006, Federal Enterprise Architecture Geospatial Profile Version 1.1, Architecture and Infrastructure Committee, p. 160. Available at: http://~www.cio.gov/documents/FEA_Geospatial_Profile_v1-1.pdf

Federal Geographic Data Committee, 2006, Project Charter Amendment for Department of Interior's (DOI) Geospatial Modernization Blueprint, p. 3. Available at: http://~www.fgdc.gov/initiatives/geospatial-modernization-blueprint/documents/geoblueprint-charter-amendment.PDF

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U.S. Department of the Interior, 2003, Financial and Business Management System. Available at: http://www.doi.gov/~fbms/index.html

U.S. Department of the Interior, 2004, Interior Enterprise Architecture—Interior Reference Models. Available at: http://www.doi.gov/ocio/architecture/fea.htm

U.S. Department of the Interior, Office of the Chief Information Officer, 2005, Information Technology Capital Planning and Investment Control, p. 175. Available at: http://www.doi.gov/ocio/cp/cpic_guide.pdf

U.S. Department of the Interior, 2007, OCIO Directive: Designation, Management, and Enforcement of Authoritative Data Sources, p. 4.

Further information can be obtained from http://www.nps.gov/gis/egim or contact Dr. Bob Pierce at 703-648-5231