Core Modernization Blueprint Team (CMBT)
For Department of Interior's (DOI) Geospatial Modernization Blueprint

Draft Project Charter
10-20-2005

Sponsoring Program:

Project Name: DOI Geospatial Modernization Blueprint is sponsored by the U.S. Geologic Survey (USGS) National Geospatial Programs Office (NGPO) and the DOI Interior Enterprise Architecture (IEA).

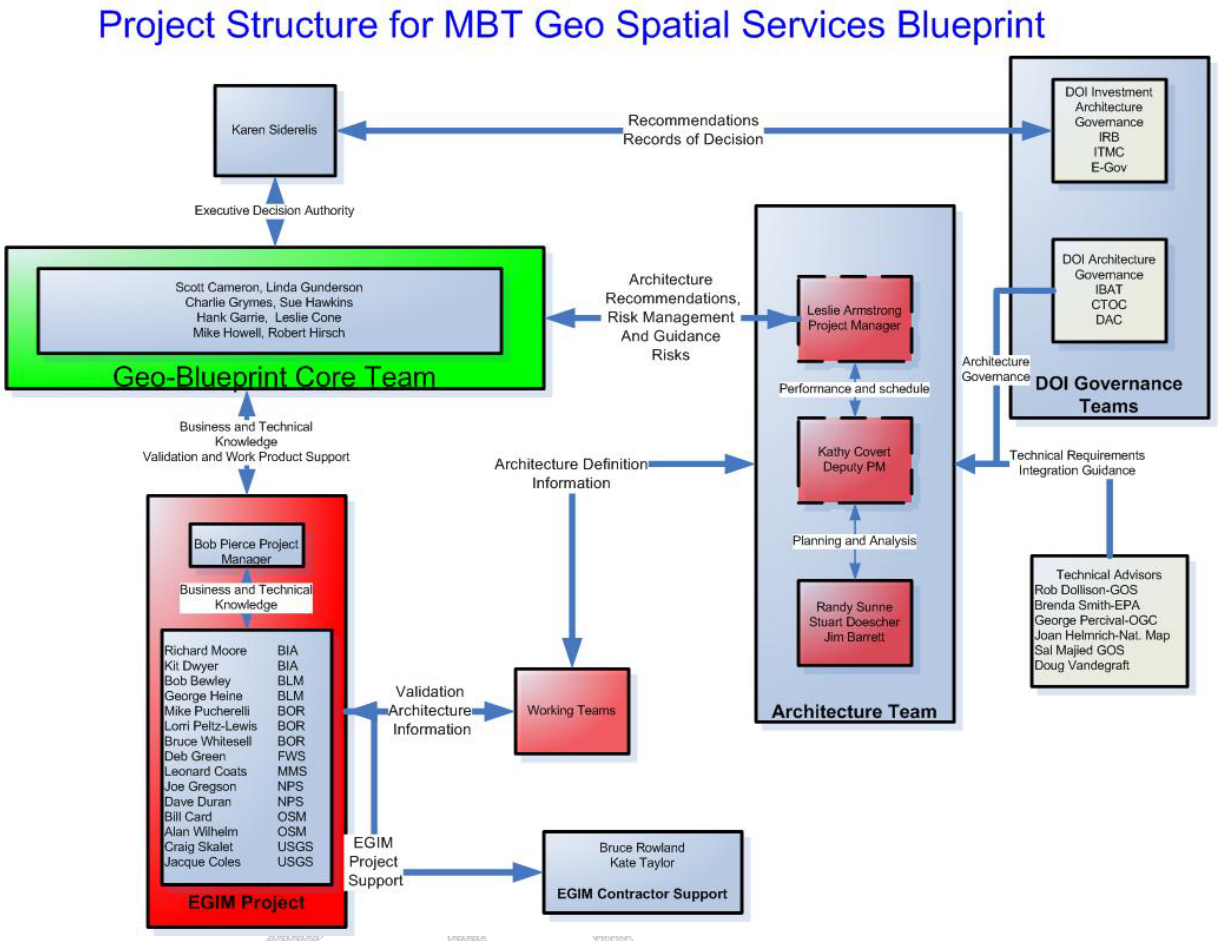
Organizational Context: The DOI IEA has been coordinating with the Investment Review Board (IRB) and E-government Teams to identify business areas for architectural analysis and subsequent modernization. Within DOI, geospatial capabilities are cross cutting horizontal services, serving many lines of business. Currently, with its usefulness to numerous mission areas and strategic objectives, geospatially related Information Technology (IT) investments, business processes, technology, data and systems tend to conform to program and business area funding. To date, there have been a variety of initiatives at all levels of the organization attempting to improve how the DOI collects, processes, uses or delivers geospatial capabilities and information services. All these activities have been and will continue to assist in the preparation of attaining higher degrees of geospatial enterprise cost optimization, information sharing, technology standardization, business process improvement and system acquisition.

Geo-Blueprint Core Team

The Executive Sponsor for the Geospatial Modernization Blueprint is the Geographic Information Officer (GIO) for the USGS, Karen Siderelis. The DOI Office of the Chief Information Officer (OCIO), Hord Tipton is supporting the architecture and business transformation as the chairperson of the IRB and the sponsor of the IEA. The project has assembled additional executive participation to represent DOI business and programs, existing investments, E-government and management accountability to include:

- Scott Cameron – DOI Deputy Assistant Secretary for Performance and Executive Sponsor of Geospatial One Stop (GOS),
- Linda Gunderson - USGS E-Gov Manager,
- Charlie Grymes – DOI E-Gov Manager,
- Sue Hawkins – NPS Deputy CIO,
- Hank Garie – National Map,
- Leslie Cone – BLM NILS,
- Mike Howell – USFWS CIO,
- Robert Hirsch – USGS Associate Director for Water

As the Geospatial Modernization Blueprint process unfolds, key program areas will be identified and additional representation may be required to assist with ensuring business understanding and prioritization of resources. The executive and business sponsorship will be required to review and approve critical work products generated by the project. The executive and business sponsorship members will act as the project's governance board and be referred to as the Geo-Blueprint Core Team.



External Interfaces: (Non-DOI organizations the team will need to work with): This project expects to work with the following organizations and initiatives during the development of the Geospatial Modernization Blueprint:

- Open GIS Consortium (OGC),
- Geospatial Enterprise Architecture (GEA,
- Federal Enterprise Architecture (FEA),
- National Geospatial and Intelligence Agency (NGA),
- Department of Homeland Security (DHS)….(others TBD),
- National Wildland Fire Enterprise Architecture, coordinated by National Wildfire Coordinating Group (NWCG).

Project Purpose: The purpose of this Geospatial Modernization Blueprint is to:

- document existing geospatially related architecture information,
- develop target enterprise architectures for business processes, data standards, authoritative sources, technical standards and services,
- develop a series of recommendations to improve the overall cost effectiveness and utility of enterprise geospatial information and technologies in service of the DOI strategic plan as illustrated in figure 1.0.

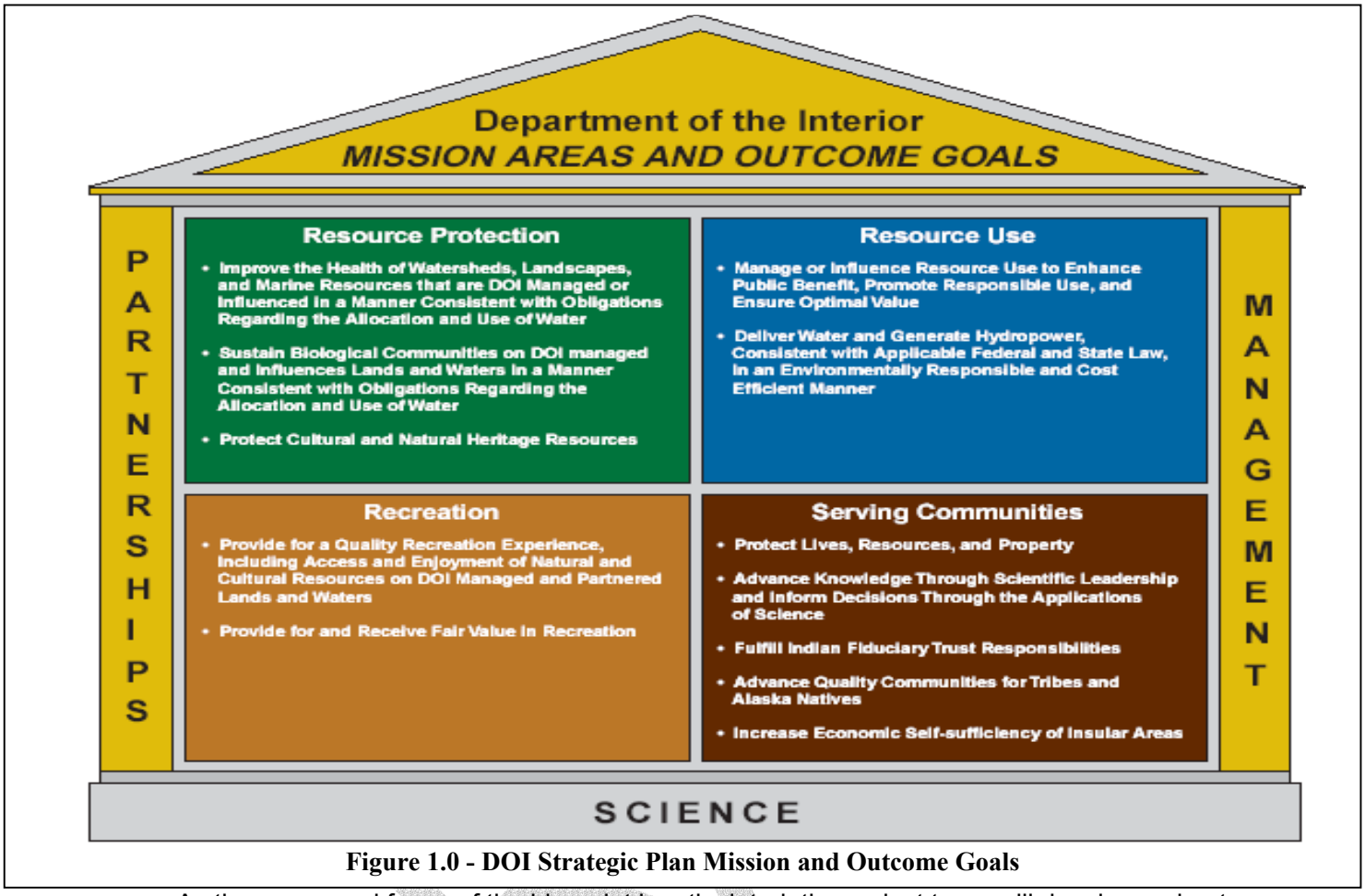


Figure 1.0 - DOI Strategic Plan Mission and Outcome Goals

As the scope and focus of the blueprint is articulated, the project team will develop a plan to create architectural recommendations to address the following issues:

- Numerous geospatial related investments, applications, business processes and program planning activities within the DOI that need to be coordinated and planned in more cost effective fashion,
- Ongoing activities continue to introduce redundant geospatial costs in the form of duplicative data collection, production processing, repetitive business processes and system development,
- Inability to efficiently and effectively deliver critical geospatial information to the DOI programs planning and decision making processes.

This plan will take into consideration business priorities, existing systems and investments, available resources, schedule constraints, risks and organizational readiness factors while producing actionable recommendations. These recommendations will be subject to the review of the project governance group and the DOI governance process.

Project Overview:

The project will conform to the DOI approved Methodology for Business Transformation (MBT) to perform an analysis of geospatial stakeholders, technologies, information stores, investments, applications and business processes. The MBT produces a series of architectural working products that lead to a set of recommendations which are governed by the DOI Investment Review Board, Interior Business Architecture team (IBAT). The project team will be exploring and analyzing opportunities for improvement across the DOI Bureaus to identify opportunities for business improvements and increased cost effectiveness.

- **Project Goals and Objectives:**
    - Identify and develop critical reusable enterprise geospatial services and supporting business processes to improve DOI Program/mission effectiveness,
    - Identify opportunities for improving the use of geospatial processes, information and technology in support of decision making within Programs,
    - Improve usefulness and integration of existing geospatial investments and assets by identifying opportunities to collaborate and coordinate,
    - Improve geospatial interoperability thru appropriate standards development and adoption
    - Reduce duplicative data stores and business processes, while increasing effective deliverables to internal and external customers,
    - Align "best of breed" existing capabilities with current and future requirements,
    - Invest in identification and integration of missing required capabilities to achieve program objectives

- **Assumptions:**
    - The team members will have adequate available time and supporting resources to support the effort when required.
    - Program and System level information can be validated in a timely fashion.

- **Constraints:** The effort will create reusable and extensible architectures that will be applicable to future DOI systems, investments and business processes transformations. The scope of the first set of recommendations may not address all of DOI's business areas, systems, investments or business processes and may try to focus on areas where the business and resource readiness are optimal.

- **Scope:** The initial scope will be determined and documented during the analysis steps of the MBT. The group recognizes the potential value and affect to DOI business areas and plans to use a value-driven prioritization approach to identify significant incremental improvements for the DOI.

Proposed Strategies and Solution:

Use the DOI MBT to develop and assess the existing architecture information and formulate an enterprise DOI strategy to incrementally transition its current architecture to a target state. The team will identify, document and create the required information to guide the DOI business and governance communities to ensure the business practices, services, infrastructure and the supporting investments continue to align with the recommendations and priorities established within the MBT.

Project Authorizing Statement:

- **Sponsors:** Karen Siderelis - GIO USGS

- **Authorization:** The DOI IRB has recommended the development of a Geospatial Modernization Blueprint in support of business transformation.

Anticipated Resources:

The architecture team members will be performing project management tasks, as well as architecture development, analysis, outreach and planning tasks. The bureau subject matter experts will act as liaisons to their organizations and ensure that the quality and completeness of the architectural information is sufficient to develop the blueprint. They will provide their subject matter expertise to the supporting architectural staff in the compilation of recommendations and the blueprint plan.

- **Project Management Team:**
  - Leslie Armstrong, USGS – Project Manager
  - Kathy Covert, USGS -- Deputy Project Manager
  - Bob Pierce, USGS – EGIM Project Lead

- **Architecture Team:**
  - Jim Barrett, Stu Doescher, Randy Sunne, Enterprise Architects

- **Subject Matter Experts (EGIM project team)**
  - BIA - Richard Moore,
  - BIA - Kit Dwyer,
  - BLM - Bob Bewley,
  - BLM - Leslie Cone,
  - BLM - George Heine,
  - BOR - Mike Pucherelli,
  - BOR - Lorri Peltz-Lewis,
  - BOR - Bruce Whitesell,
  - FWS - Deb Green,
  - FWS – Doug Vandegraf
  - MMS - Leonard Coats,
  - NPS - Joe Gregson,
  - NPS - Dave Duran,
  - OSM - Bill Card,
  - OSM - Alan Wilhelm,
  - USGS - Craig Skalet,
  - EGIM Contractor Support, Bruce Rowland and Kate Taylor,

- **Technical Advisors:**
  - Rob Dollison - GOS Tech Lead (contractor),
  - Joan Helmrich, National Map
  - George Percival – Open GIS Consortium (OGC)
  - Brenda Smith – Geospatial Enterprise Architecture – (support of the development of the FEA Geospatial Profile),

Project Manager: Leslie Armstrong USGS

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Name Date

Authorization:

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Name, Executive Sponsor Date

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Name, CIO, Investment Resources Board Chair Date