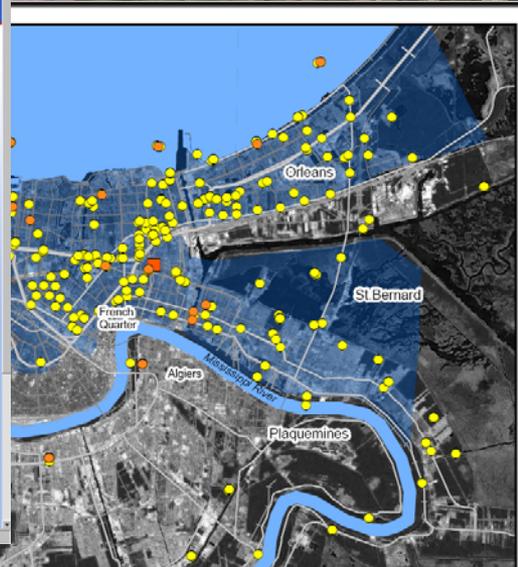




**Tim Petty**  
**Deputy Assistant**  
**Secretary for**  
**Water & Science**

New Orleans Flood Water Sampling as of 9/27/05

0 0.8 1.6 2.4 3.2 4

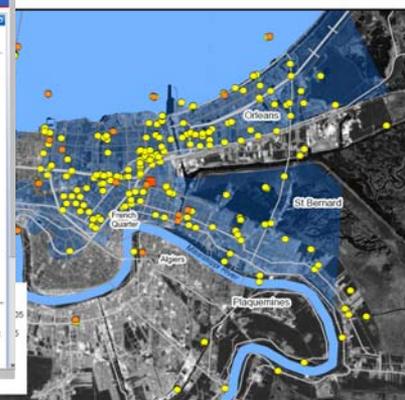
For Official Use Only



**Geospatial touches almost everything we do in Interior . . .**

# Two major geospatial areas being managed/coordinated by DOI . . .

- Cross Department Federal Activities - FGDC
- Cross Bureau, internal to DOI Activities



New Orleans Flood Water Sampling as of 9/27/05

. . . meeting business needs,  
requirements management



# A New Focus on the Federal Geographic Data Steering Committee

- **SAOGI's** established and linked to FGDC
- Establishing an **Executive Committee** within the large Steering Committee
- Facilitating policy decisions, direction of Federal government





# Imagery for the Nation

FGDC Executive Committee Meeting

April 11, 2008



1-meter

DRAFT  
1-foot

6 inches



# A New Focus on the Federal Geographic Data Steering Committee

- **National Geospatial Advisory Committee (NGAC)**
  - Establish a **FACA** (Federal Advisory Committee Act)
  - Provide **external recommendations** and advise on federal geospatial issues
  - Critically important to get the best minds together, a cross section of experts and leaders in the geospatial field

Federal Geographic Data Committee

**fgdc**



# A New Focus on the Federal Geographic Data Steering Committee

- **Managing Geospatial Line of Business (GeoLoB)**
  - 2006, OMB launched GeoLoB across entire federal government
  - common solutions and a target architecture
  - data calls to establish a baseline of geospatial investments
  - Established new Project Management Office

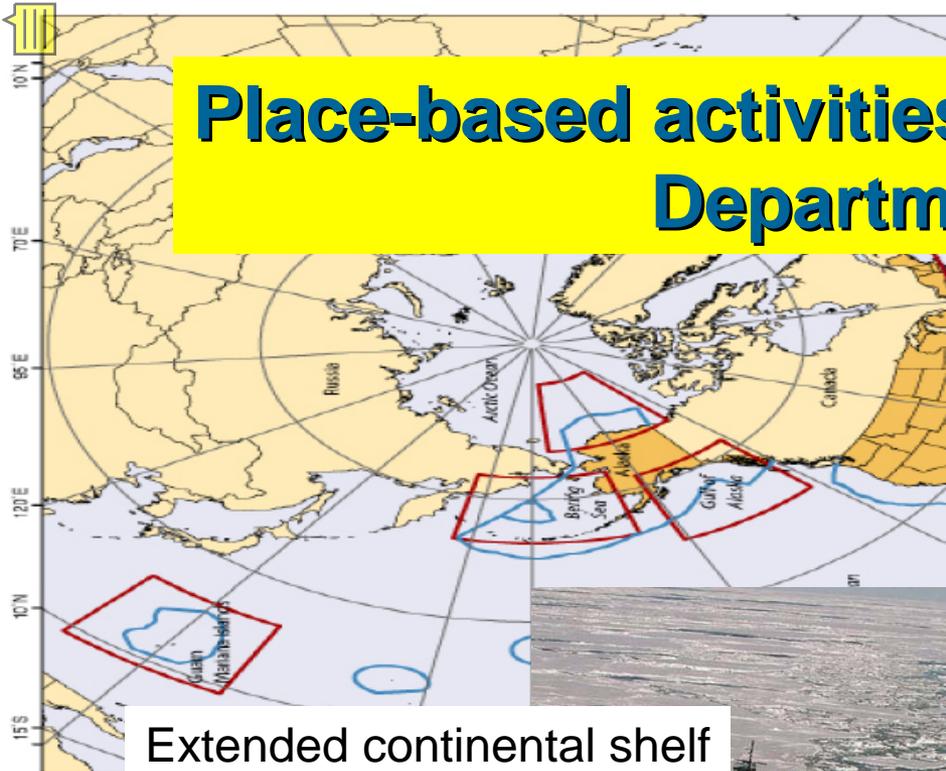


# A New Focus on the Federal Geographic Data Steering Committee

- **National/Federal Standards**
  - **CONGRATULATIONS TO NPS!**
    - “Trails” standard submitted for approval
    - “Cultural” standard being moved forward

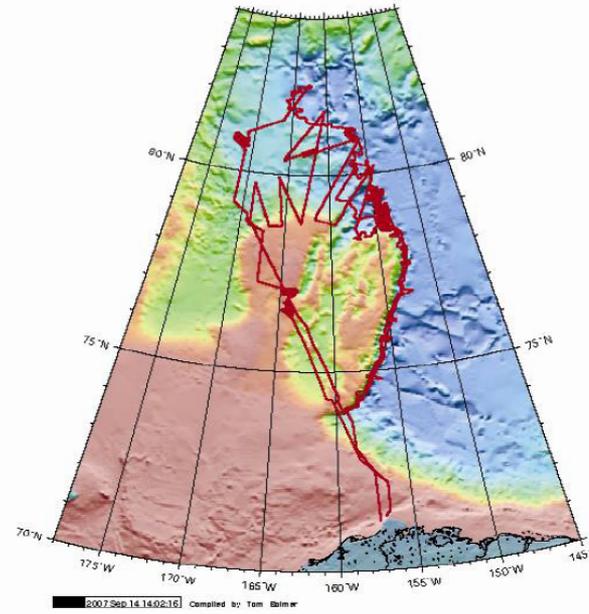


# Place-based activities occurring at Department of the Interior . . .



Extended continental shelf

HLY0703 08/17/07 - 09/15/07

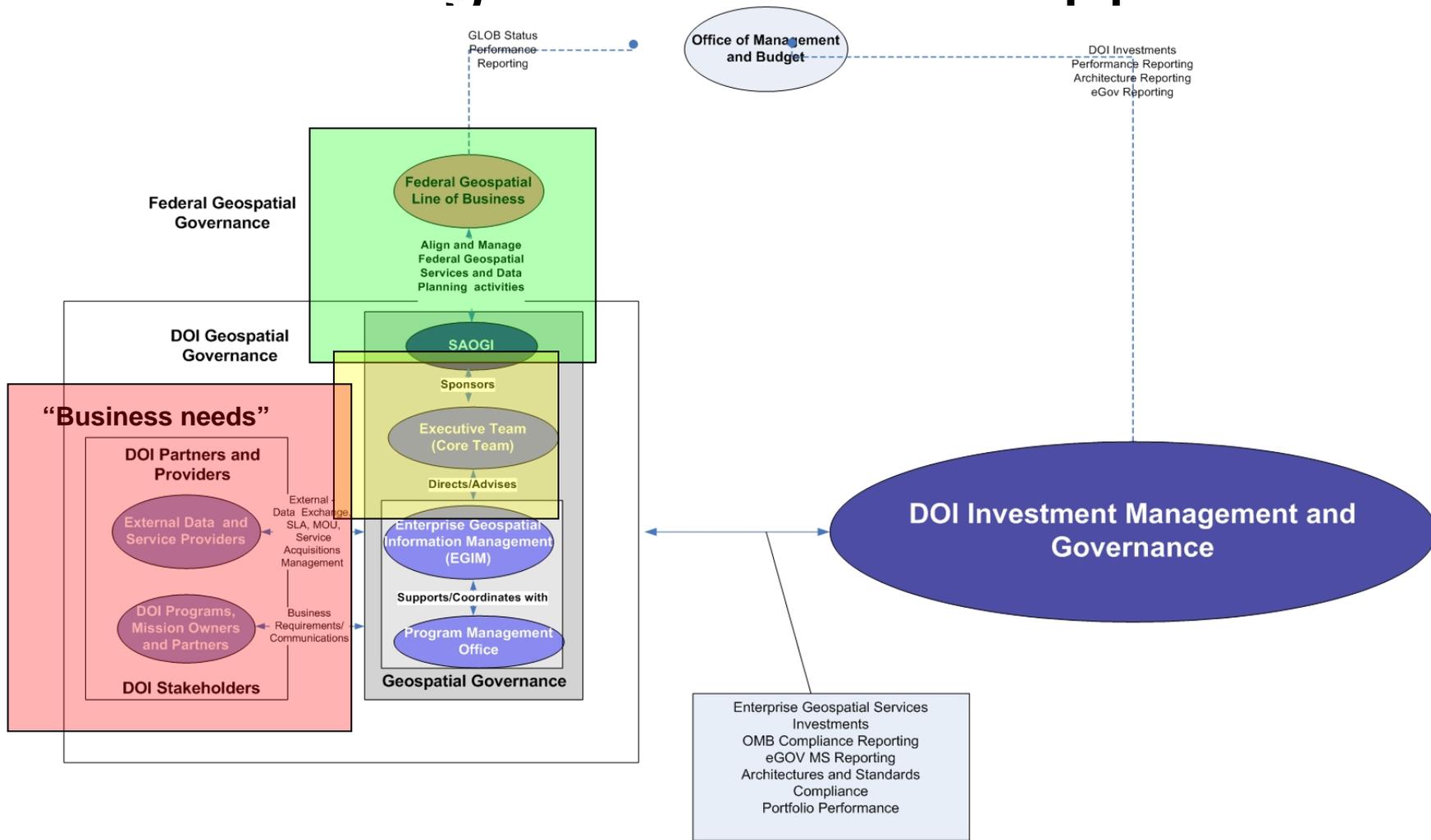


# Improving geospatial coordination, capability, and accountability in DOI

- Two milestones in the integration and modernization of geospatial activities
  - (1) Establishing a formal **executive governance structure** that will coordinate Geospatial assets in an enterprise fashion
    - New prominence in the department, positioned to look across the entire DOI enterprise



# Possible Governance Model – awaiting consideration/approval



# Improving geospatial coordination, capability, and accountability in DOI

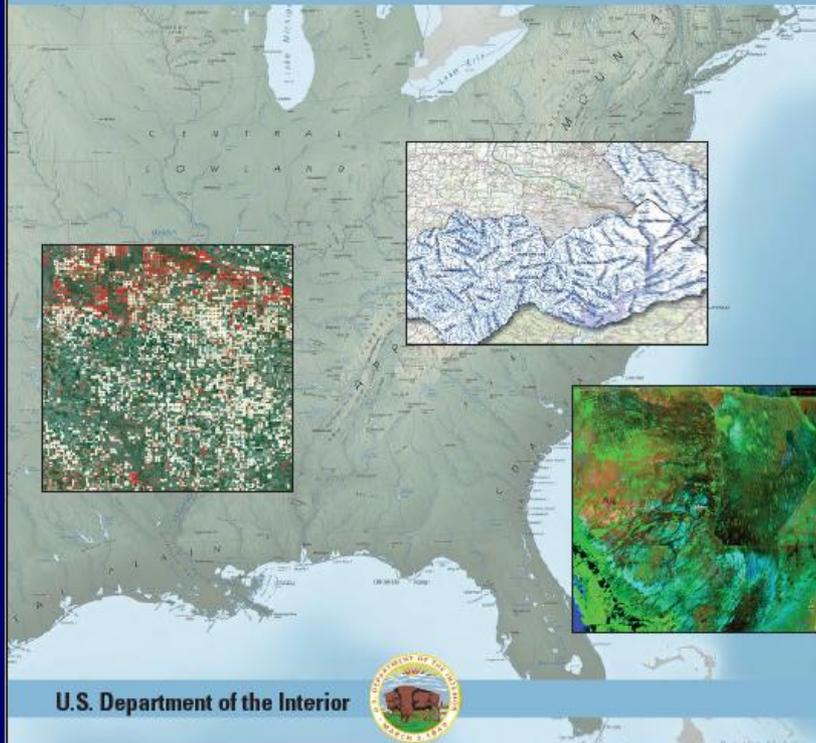
- Two milestones in the integration and modernization of geospatial activities
  - (2) Put forward the **Geospatial Services Model**- support business needs with geospatial data and services
    - Service to Interior business areas

What and How . . .



## GEOSPATIAL SERVICES MODEL

*Serving the Geographic Business Needs of the  
U.S. Department of the Interior*  
July 2007



## Recommendations:

- **Authoritative Data Source (ADS)**
  - data stewardship
  - NILS (Land Ownership, PLSS), TNM
- **Requirements Management**
- **Portfolio/Investment Management**
- **GeoEnabling Business**
- **Leveraging Geospatial One Stop**

<http://www.nps.gov/gis/egim/>

## NILS - National Integrated Land System: Legal LandDescription Query Demonstration - Virtual Earth

This web page demonstrates various methods to consume the **NILS** Web services for querying **legal land description** (LD). There are two Web services available to query LD:

- **DeriveLD**: a Web service that returns a legal description and its polygon based on a given location
- **FindLD**: a Web service that returns polygon based a given legal description

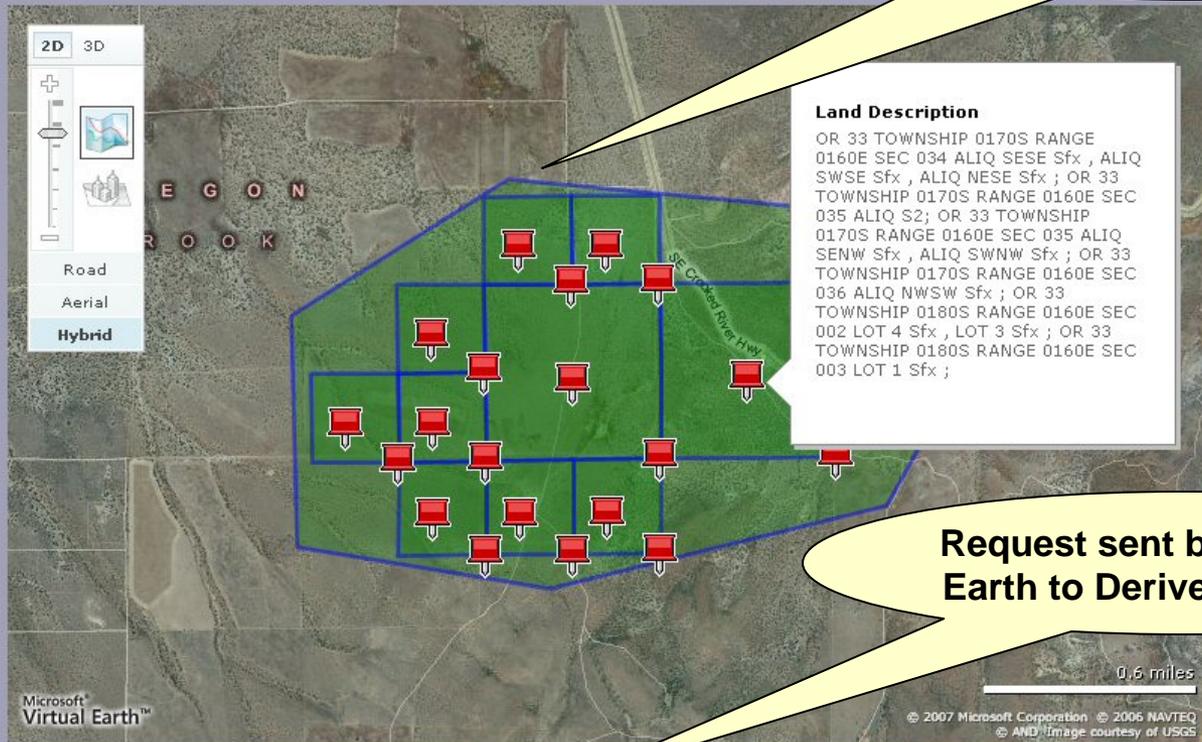
### Consuming DeriveLD using **Virtual Earth**:

Right Mouse Click anywhere on the map below, you will get LD for that location. Below the map you will see the latitude and longitude (WGS 84) in decimal degrees of the location and the URL to query LD based on the selected location.

- Select LD by Right Mouse Click
- Select LDs by Area (right click vertices and CTRL + right click to close polygon)

**DeriveLD GeoRSS returns land legal description and the geometry**

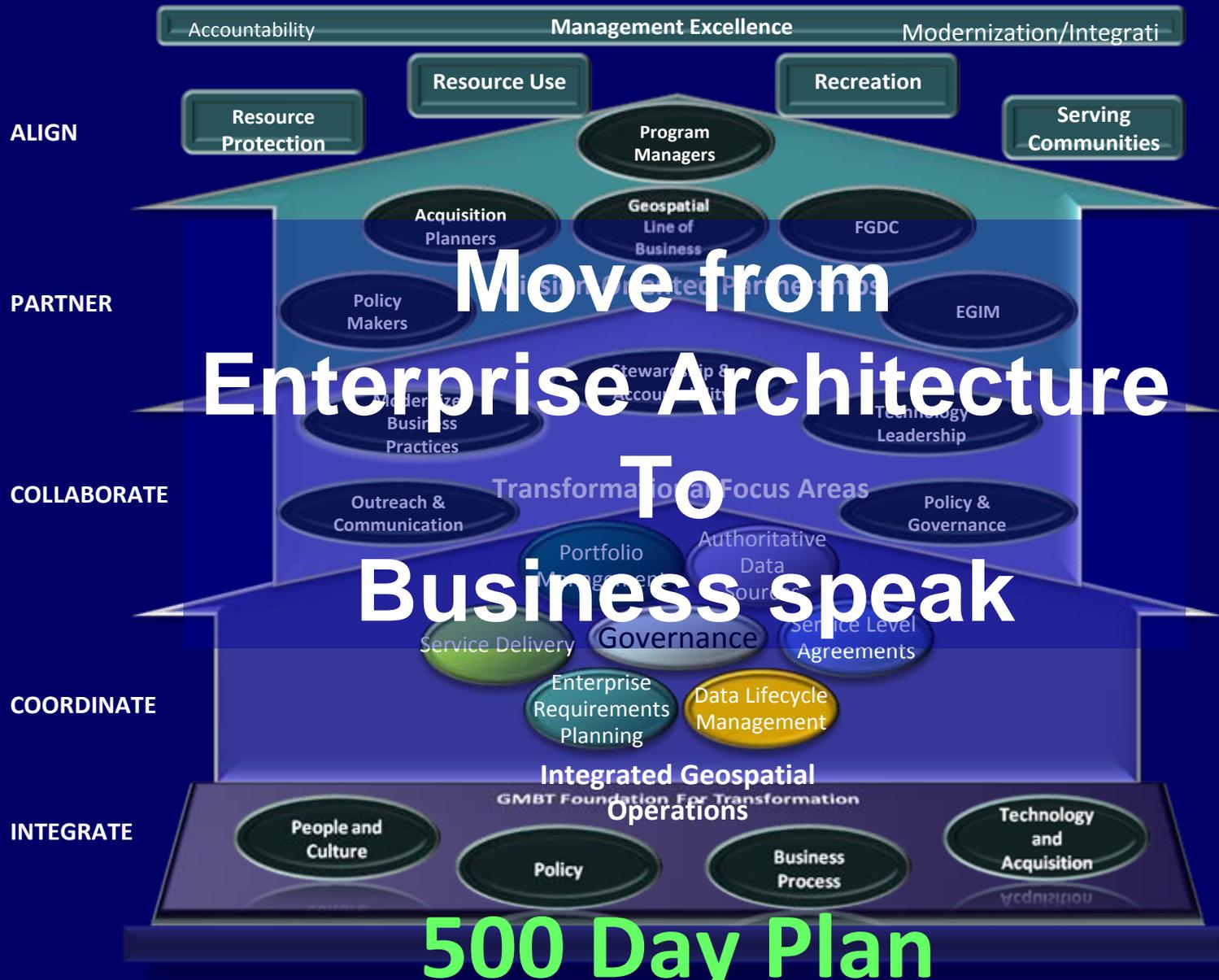
**SERVICES:  
GeoRSS**



**Request sent by MS Virtual Earth to DeriveLD GeoRSS**

```
http://mast.esri.com/deriveldhtml/deriveld.aspx?SelectionGeometry=-120,754852,44,05477802,0,-120,787467,44,05699861,0,-120,799827,44,05132359,0,-120,799484,44,04169948,0,-120,785064,44,03997191,0,-120,765838,44,04342700,0,-120,755195,44,05749207,0&GeometryFormat=1
```

# Improving geospatial coordination, capability, and accountability in DOI



# Organizing Framework (Focus Areas & Initiatives)

**FOCUS AREA 1**  
Outreach & Communication



**FOCUS AREA 2**  
Stewardship & Accountability



**FOCUS AREA 3**  
Modernized Business Practices



**FOCUS AREA 4**  
Policy & Governance



**FOCUS AREA 5**  
Technology Leadership



**CORE INITIATIVES**

- Develop/Execute Communications and Change Management Plans
- Encourage Inter-departmental Collaboration
- Keep Business Leaders Informed

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- Develop Data Assets and Services
- Support Expanded ADS Stewardship Capabilities Development

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- Implement Enterprise Business Requirements Planning
- Implement Portfolio Management
- Manage ADS Product Generation Services
- Geo-enable Facilities Business Systems and Services

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- Establish and Manage ADS Lifecycle, Business Requirements, and Cross-agency Funding Policy and Processes
- Establish Geospatial Management Office (PMO)
- Manage Service Delivery and Customer Product Requests

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- Standardize and Manage Data and Services Applications
- Standardize and Manage Technology and Data Licensing

**SUPPORTING INITIATIVES**

- Conduct GMBT roadshow briefings
- Engage bureaus/programs through EGIM
- Define performance success criteria and report GMBT implementation progress
- Align with Geospatial LoB

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- Prioritize and establish certification process for ADS's
- Pilot Trails and NILS ADS certification process
- Identify ADS services priorities
- Develop ADS service delivery implementation plans

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- Integrate business requirements planning into budget planning process (CPIC, FBMS)
- Develop sustaining portfolio management processes and performance criteria
- Standardize business policies, processes, and manage service delivery for enterprise requirements
- Restructure geospatial product and services access

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- Establish and pilot ADS steward certification process
- Identify performance measures, reporting process & monitoring mechanisms
- Develop fee for service and cross-agency funding mechanisms
- Manage ADS data lifecycle management activities
- Develop and manage ADS service level agreements
- Identify and execute software and data enterprise license agreements

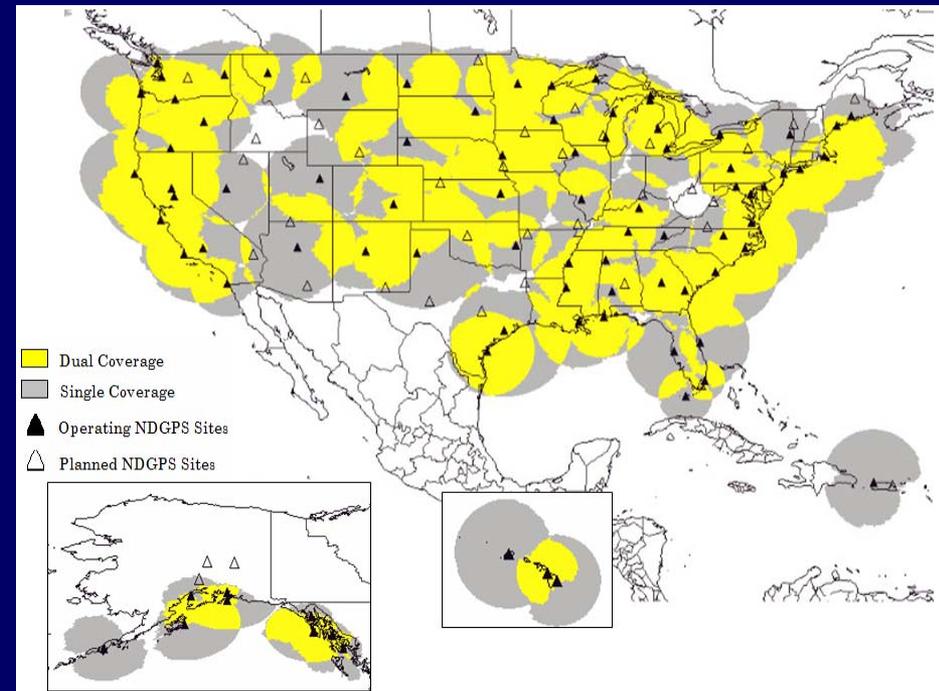
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- Adopt appropriate Federal geospatial enterprise architecture standards
- Establish new ELA's for key supporting technologies

**PRIORITIZE**

# Other important Interior Geospatial Activities

- GPS / NDGPS / Mobile
- The National Map



Intelligent knowledge base  
Ontology-driven  
User-centered web interface

**3.0**

Consistent, integrated data  
Trusted data source  
Digital topographic maps  
Print maps on demand

**2.0**

**The National Map**

**1.0**

National coverage 8 data layers  
Seamless elevation, imagery, land cover, hydrography





*Contact info:*

**Robert Pierce or EGIM Team members:**  
**Department of the Interior**

**[rrpierce@usgs.gov](mailto:rrpierce@usgs.gov)**