DOI Executive Workshop on Geospatial Information Systems

*** Break out sessions ***

What programs represented in our Group??
ESRI, BLM, MMS, BIA, BOR

Geospatial Information Requirements

1. How are GIS/geospatial technologies used in your program?
Enterprised applications
TIMS – Citrix, offshore, onshore desktop applications
(MMS) Lenny to provide network diagram
BIA (no enterprise, but use of GIS widespread at all levels)
-           forestry
-           energy and minerals
-           GDSC
MCI provides the network
BOR – records
BLM – NILS, eplanning, desktop application, state applications, widespread use at all levels, NILS and EGIS architectural studies
ESRI – N/A

2. What are the greatest gaps in geospatial information needs?

Network that takes care of all field offices from ground up. (25 G/second)
Data standardization, identification of core, cross cutting data themes
Decide # of quads, pool money (consolidated hardware buying, ex.) for hardware, software, and data
Not all business lines are fully utilizing GIS (economic development, education in BIA, minerals, revenue in MMS, admin in all bureaus)
Data for offshore (basemaps are with NOAA)

Data stewardship/ownership?

3. What cross-cutting functionality (tools) are you needing:
 Viewshed
 Proximity buffer
 Red Line
 Profiles
 Routing
 Geo-fence
 Geoprocessing
 Boolean Queries
 Find and identify
 Where am I (GPS)

4. What geospatial technology do you need?
 Web services
 Visualization
 Generate output maps
 Generate input datasets
 Use of GPS
 Spatial analysis
 Use of mobile computing

Infrastructure Requirements

1. What do you expect the DOI network infrastructure to do for your program/initiative?
a. More decentralized loosely connected ArcGIS desktop operations (i.e. increased access to required software and data on individual desktops)

      or

More GIS operations supported by National applications (i.e. more workflow standardization and centralized operations)

if the networks are available to support this
biggest complaint - performance

b. More sharing of data resources between agencies?
    -   maintain independent analysis capability
    -   dependancy on web apps and web services
-   role-based security
-   Better data standards, data integration with other business systems, and interoperability between user workflows?

EGIM Initiative
These questions are focused on polling the participants about how the EGIM initiative might better support the GIS users in the Department. The list is incomplete, but intended to provide an example of questions related to the items defined in the business case.

1) What improvements in GIS training would better support your use of GIS? How do you lower costs?
- an enterprise training program in local facility
- more use of virtual campus
- more virtual campus courses available
- some training of geospatial architecture
- give time for the training
- mandatory training for upper mgmt support

2) What improvements in GIS support (e.g. help desk, knowledge base) would better support your use of GIS?
- Enterprise help desk, faq, list serve, quick response
- enterprise light

3) What data management issues are you facing that might be better supported through an enterprise approach to GIS within DOI?

- standards, consistency, common data bases, identification of stewards, collecting data at highest resolution needed, management awareness / leadership awareness of geospatial needs

4) What GIS/geospatial issues are you facing that might be better supported through an enterprise approach to IT within DOI?

- increase efficiency through enterprise network / approach
- communications, telecommunications, network
- better system support
- more IT staff