



U.S. Department of the Interior

Enterprise Geographic Information Management

The Enterprise Geographic Information Management (EGIM) [1] initiative of the U.S. Department of the Interior (DOI) is a framework for the standardization and coordination of geographic information systems (GIS) activities across the department's bureaus. The purpose of the EGIM team is to provide strategic leadership for that enterprise GIS effort within DOI. A DOI team of bureau representatives and subject matter experts collaborate to determine the need for standardization, GIS initiatives, direction on policy, program initiatives, funding priorities, and organizational needs, as well as the coordination of GIS activities among bureau programs and areas. EGIM is a joint effort with all the DOI bureaus.

perform services on overlapping geographic areas. In fulfilling their mission, bureaus often depend on, or provide, geospatial information along with related geospatial technologies and services. From the creation of maps to the analysis of potential flooding from a hurricane, location information is used for a wide variety of purposes within DOI and by our numerous outside partners (for example, public, states, and counties). With an infusion of mobile, wireless technology, this information can be delivered anytime, anywhere (see Figure 1).



Figure 1. Do you know? You can use the web to find a map or information about many places in the United States? Go to <http://www.geodata.gov> and explore the possibilities.



Ellis Island mapping with GPS
(Credit: NPS)

Of all the departments within the Federal government, DOI is arguably the one most closely tied to the land. DOI is chartered with managing and protecting the Nation's resources [2], which are geographic in nature (for example, National Parks, Mineral Resources, and Lands Management). Most of the services provided by DOI program and mission areas are associated with a specific location or geographic area. Tracking, providing, and improving the delivery of these services to the public and partners require that information about such locations be collected and managed by the various bureaus. Multiple DOI programs often

DOI's business activities depend on geospatial information—knowing where things are and understanding how they relate to one another. Location information brings data to life and adds value because of the capability of the geospatial technology to generate graphic representations of features to produce a map. This technology helps provide the spatial context that allow for visualization of data, management of information, and data analysis to support DOI's business functions and mission. EGIM provides the ability to more effectively coordinate and support geospatial technologies, sponsoring interoperability and cost effectiveness for each of the bureaus within the DOI (see Figure 2).

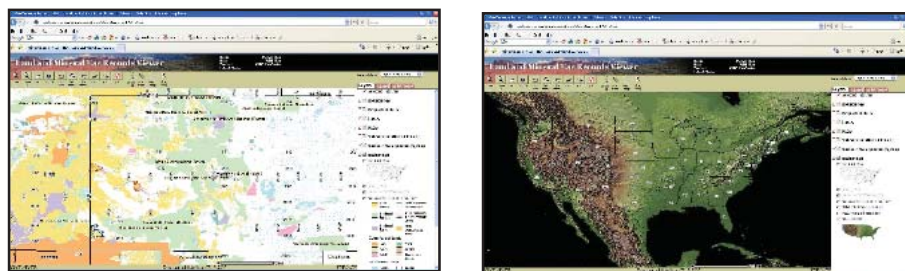


Figure 2. Do you know? You can use the BLM Land Manager Viewer to see a map of Federal Lands in the United States? Go to <http://www.geocommunicator.gov/> and explore the possibilities.

The role and function of the EGIM team primarily include strategic leadership for the following: Education and Training, GIS Software Deployment, Knowledge Base, Help Desk, GIS Database Support, Spatially Enabling DOI Business, Communications, System Architecture, Geospatial Services Model [3], Geospatial Modernization Blueprint (GMBP) [4], and Geospatial Line of Business (GeoLoB) [5].

The Enterprise Geospatial Information Management team members:

Program Manager – USGS – Bob Pierce, Senior Advisor National Geospatial Program Office
Executive Sponsor - Karen Sideralis, DOI Geographic Information Officer (GIO)
AS-IA – Richard Moore, Geospatial Information Officer
BIA – Martin Fetridge, Division Chief, IT Special Services, Office of Information Services
BIA - Bryan Rice, Asst Director, Resource Protection, Div of Forestry & Wildland Fire Mgmt
BLM – Bob Bewley, Geosciences Program Manager
BLM – Tom Chatfield, Spatial Data Architect
BLM – George Heine, Mathematical Analyst
BOR – Lorri Peltz-Lewis, Regional Geospatial Database Administrator
BOR – Bruce Whitesell, Physical Scientist
FWS – Chris Lett, National GIS Coordinator
MMS – Leonard Coats, Business Automation GIS Development Team Lead
NPS – David Duran, IT Specialist, GIS Division
NPS – Joe Gregson, GIS Program Manager
OSM – Robert Welsh, Mobile Computing Team Lead
USGS – Jacqueline Fahsholtz, Geospatial One-Stop Portal Administrator
USGS – Bob Matthias, IT Specialist, Energy Resources Program
DOI - Mark Negri, IT Specialist, GIO/Enterprise Applications, USGS

References:

- 1. U.S. Department of the Interior, 2005, Enterprise Geographic Information Management, Fact Sheet. Available at http://mms.nps.gov/gis/egim/documents/egim.pdf
2. U.S. Department of the Interior, 2006, Department of Interior Mission Statement. Available at http://www.doi.gov/secretary/mission.html
3. U.S. Department of the Interior, 2007, Geospatial Services Model: Serving the Geographic Business Needs of the Interior. Available at http://www.nps.gov/gis/egim/
4. U.S. Department of the Interior, 2007, Geospatial Modernization Blueprint: Recommendations and Architectures, in press. Will be available at http://www.nps.gov/gis/egim/
5. Executive Office of the President of the United States, Office of Management and Budget, Presidential Initiatives, 2004, Geospatial Line of Business (GeoLoB). Available at http://www.whitehouse.gov/omb/egov/c-6-8-glob.html



Burning at Eastern Virginia Rivers National Wildlife Refuge (Credit: FWS)



Shasta Dam, Shasta, California (Credit: BOR)



Geospatial training class (Credit: NPS)

Websites of interest:

Table with 2 columns: Website Name and URL. Includes EGIM, DOI Geospatial One-Stop (GOS), BIA, BLM, GCDB, Geocommunicator, NILS, BOR Dataweb, FGDC, FWS Geographic information, MMS Maps, NPS GIS, IMC, OSM, and USGS National Map.

Abbreviations and Acronyms:

Table with 2 columns: Abbreviation and Full Name. Includes AS-IA, BIA, BLM, BOR, DOI, EGIM, FGDC, FWS, GCDB, GeoLoB, GIS, GMBT, GOS, IMC, MMS, NILS, NPS, OSM, and USGS.

For more information:

Further information on EGIM activities and programs can be obtained at http://www.nps.gov/gis/egim/ or, contact Dr. Bob Pierce at 703-648-5231 or rrpierce@usgs.gov