USGS

science for a changing world

GIO Benefits the USGS

The Geographic Information Office (GIO) benefits the U.S. Geological Survey (USGS) by providing access to and delivery of USGS information and services, safety and security of USGS data and information, support for USGS science, and coordination of partnerships through Federal interagency data committees.

Enterprise Information Program

Information Technology

- Computing Infrastructure
  Serving the bureau's hardware and software needs.
- Telecommunications
  Linking the bureau via voice, data, and video to the world.
- Network Accessible Data Transfer
  Providing the interoperability for accessible data transfer.
- Collaborative Communications
  Providing on-line collaboration tools for the Bureau.
- Bureau IT Help Desk
  Streamlining access to help for bureau computer users.
- DOI-wide ESRI License
  Facilitating cost-effective access to GIS software.
- DOI-Microsoft Enterprise Agreement
  Ensuring the bureau's Microsoft requirements are met.

Information Policy and Services

- Enterprise Web
  Finding, getting, and using USGS information quickly and easily.
- Natural Science Network
  Integrating access to USGS knowledge and products through information centers, the Library, the Denver warehouse and more.
- Enterprise Publishing
  Creating and releasing bureau information products consistently, efficiently, and effectively.
- Information Resource Management
  Ensuring records management and compliance with Section 508, Freedom of Information Act, Federal privacy requirements, etc.

Information Security

- Information Security
  Ensuring security of bureau's information technology assets.
- Network Security
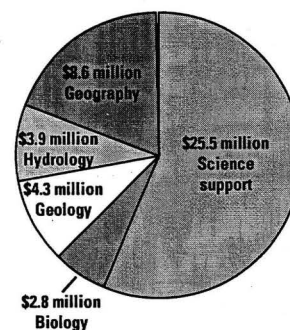 Protecting the bureau from cyber attacks.

Information Science

- Science Program Coordination
  Ensuring coordination with science program requirements
- Enterprise GIS
  Enhancing GIS capabilities bureau-wide.
- IT Capital Planning and Investment
  Managing the bureau's IT capital investment planning.

Geospatial Data Coordination
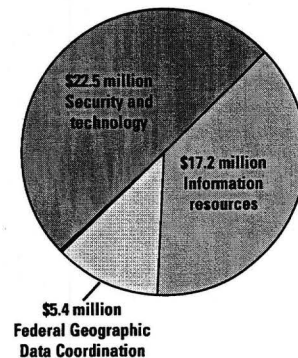
- Federal Geographic Data Committee (FGDC)
  Leading the bureau's support of the National Spatial Data Infrastructure (NSDI).
- Geospatial One Stop
  Improving access to geospatial data under the E-Government Initiative.

Enterprise Information Program

Source of GIO FY 2005 budget restructure
Total $45.1 million

$8.6 million Geography
$3.9 million Hydrology
$4.3 million Geology
$25.5 million Science support
$2.8 million Biology

Enterprise Information Program
FY 2005 budget request for $45.1 million

$22.5 million Security and technology
$17.2 million Information resources
$5.4 million Federal Geographic Data Coordination

GIO Management

Office	Lead	Function
Geographic Information Office	Karen Siderelis	Oversees the bureau's enterprise information activities.
Information Policy and Services	Hedy Rossmeissl	Ensures information delivery and resource management.
Information Technology	Kevin Gallagher	Ensures the operation of the enterprise IT technology system.
Information Science	Anne Frondorf	Coordinates with USGS science programs on information needs.
Information Security	Ellen Erickson (Acting)	Manages the response to threats and compliance to requirements.
Federal Geographic Data Committee (FGDC)	Ivan DeLoatch	Serves as DOI Secretariat for interagency work on geospatial data..
Geospatical One-Stop Initiative	Hank Garie	Oversees the President's E-Government Initiative to improve access to geospatial data

GIO by the Numbers

Technology

$1,500,000	Saved by USGS through Enterprise ESRI license per year
72	USGS web hosts served through the National Web Server System (NatWeb)
20,000,000+	Visits to NatWeb hosts per month

Policy and Services

24,000	Outbound email messages (SMPT) handled by Lotus per day (excludes USGS internal to USGS internal email)
75,000	Inbound email messages (SMPT) handled by Lotus per day (excludes USGS internal to USGS internal email)
10,800,000	Number of "successful requests" on home-page on average per month
500,000	Queries handled by ESICs each year
30,000	Products scanned into the Product Warehouse to date

Security

2,185	Viruses cleaned from emails daily
19,000	SPAM messages blocked daily

Partnership

19	FGDC agency members developing NSDI in cooperation with State, Tribal, and local governments, academia, and the private sector
51	FGDC Cooperative Agreement Program grants awarded to groups in 29 States in 2003

Science

30	USGS programs each with different information requirements

Employees

168	GIO employees