











# DOI Enterprise Geographic Information Management (EGIM) Team Initiative









# Major changes in GIS

- Who can use GIS
  - Point'n click GUI-based software
  - Web services
- Availability of GIS
  - Enterprise licensing SmartBuy implementation
  - Access to data
    - NSDI clearinghouse nodes
- Delivery of GIS
  - Web services
  - o Geospatial One-Stop (GOS)
  - o The National Map (TNM)

# What EGIM is Trying to Accomplish

- Develop an institutional framework for collaboration
- Improve efficient/effective use of spatial Information to get our mission/work done
- Combine the efforts of many offices into a coordinated enterprise solution
- Information viewed as a resource
- Improve services to the public

# Eliminate issues/problems:

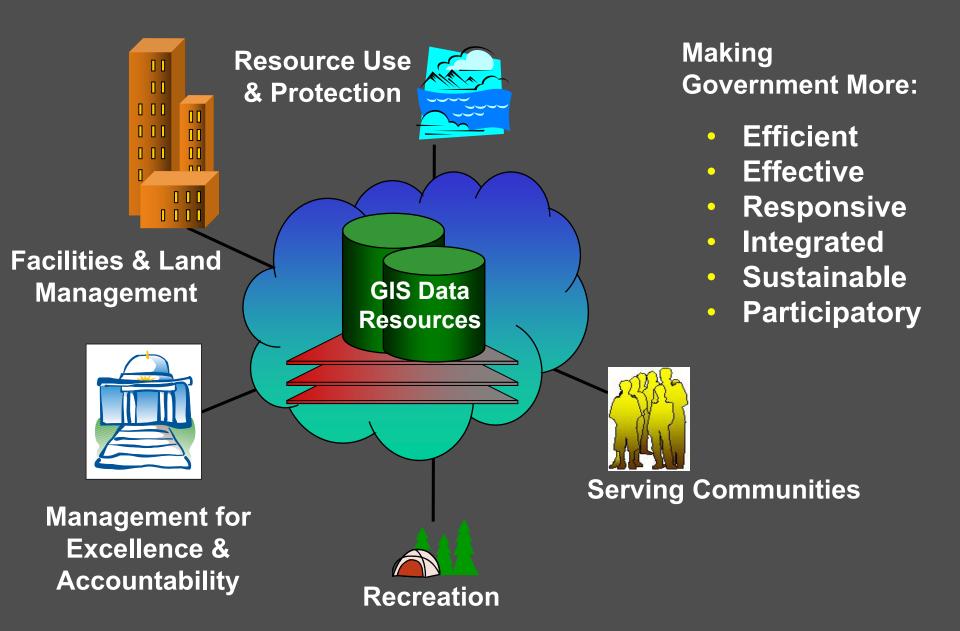


- Duplication of data, programs
- Inability to access information
  - Don't know it exists
  - Not in acceptable format
  - Not geocoded
  - Ease of transferring

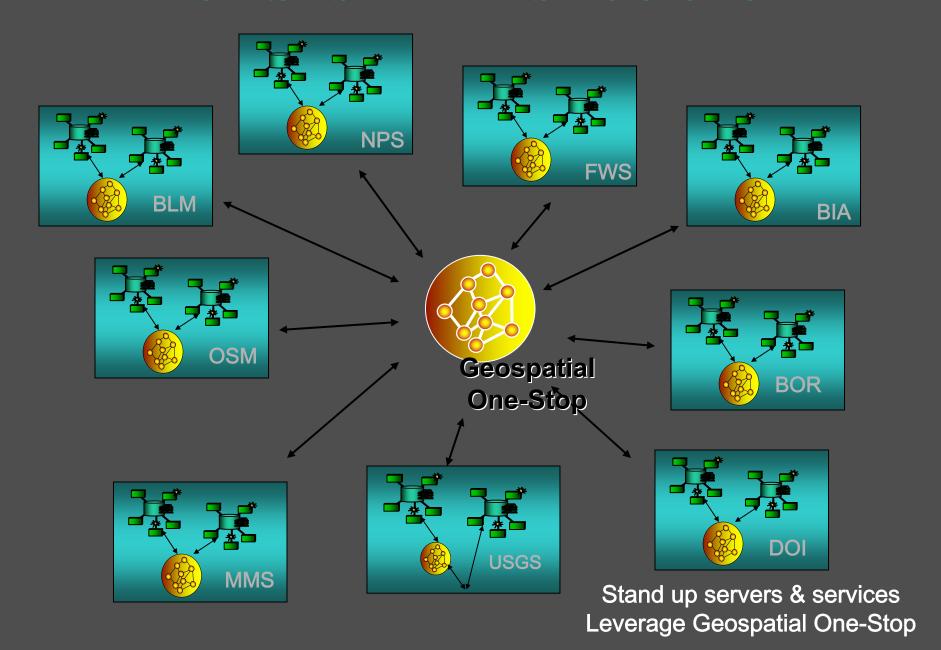




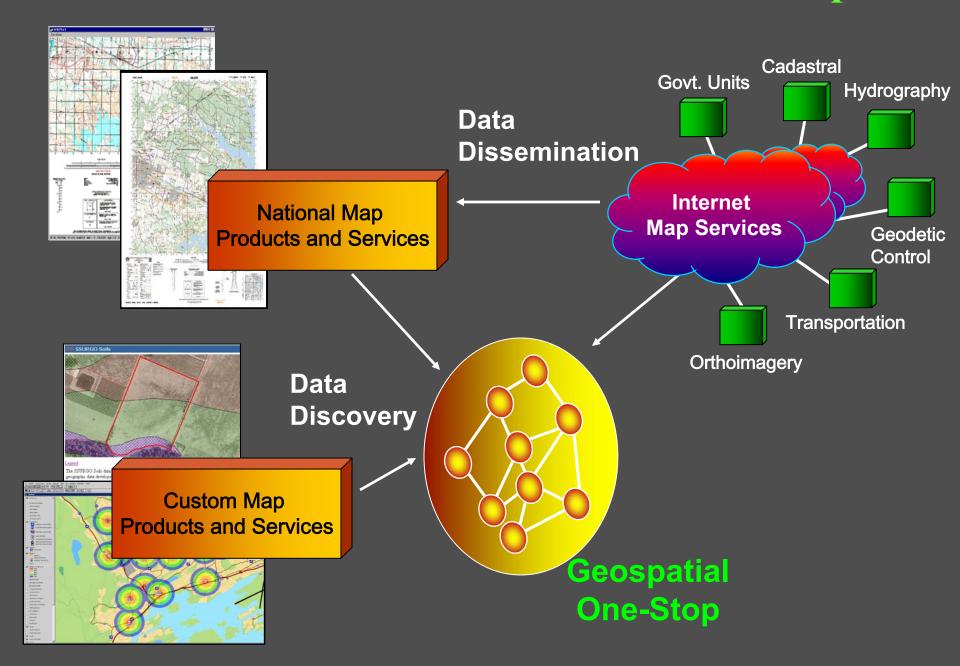
## **GIS Supports the Enterprise**



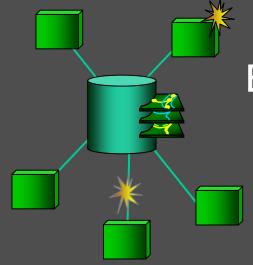
# Establish Infrastructure



### **EGIM Infrastructure & Services Concept**

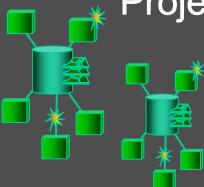


# Optimize use of geospatial technologies



Business Critical Systems

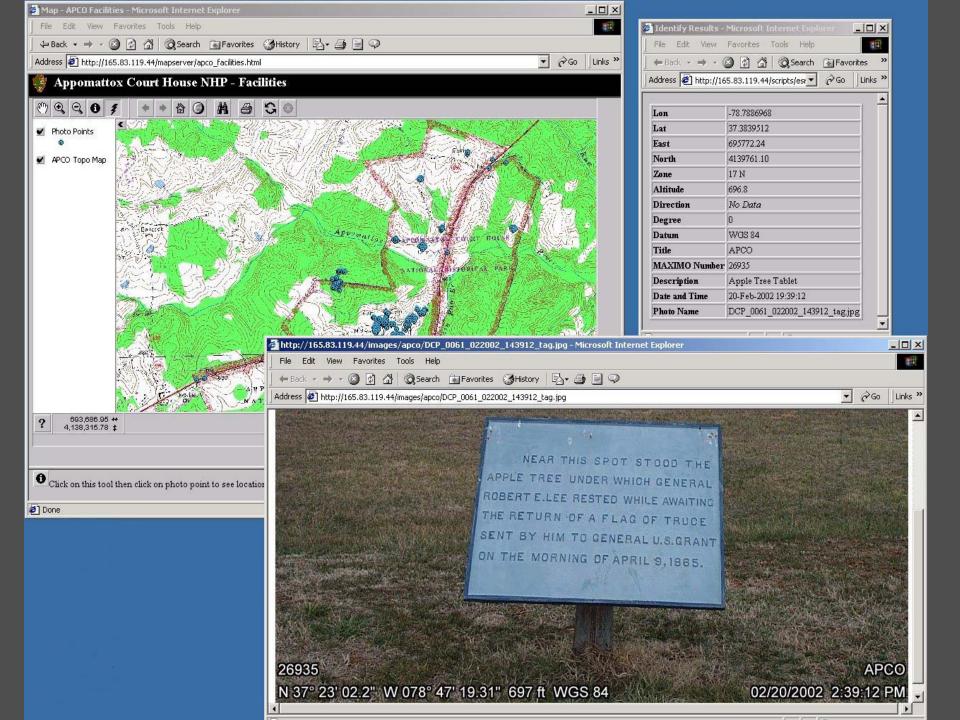
DOI's "Lines of Business"



Projects, Applications

# Develop Common Project Applications





### **Current Efforts**

- Establishing within DOI:
  - A coordination mechanism for GIS
  - A baseline of existing GIS use
  - Business Case Development
- Establish a communications plan
  - Web site, presentations, internal user meetings
- Prioritize and plan efforts associated with Circular A-16 data efforts
- Define best practices for:
  - Creating department implementations from Bureaucentric applications e.g. NILS
  - Data migration strategies
- Extension of the ESRI SmartBUY Agreement







DOI - Enterprise GeoSpatial Information Management (EGIM)

- Executive Workshop on Enterprise Geospatial Systems July 14-15, 2004 Denver Federal Center
- Charter
- EGIM Factsheet
- Role and Function
  - Education and training:

     Identify common GIS training needs and resources,
     and plan or make recommendations for the
     development and presentation of training in
     cooperation with other groups or agencies.
  - o GIS Software Deployment:
     Serves as a GIS software contract managing body,
     and a source of recommendations, best practices
     for all DOI users. Bureaus will share software
     testing results and deployment methodologies.
  - Knowledge Base:
     Review and promote the implementation of an information data systems for sharing solutions and avoid redundancy in research and development of GIS and related applications and use. Explore possible merging of tools, documents, frequently asked questions, list serves, and other helpful databases.
  - Help Desk:
     Share and further develop DOI help desk
     capabilities based on DOI projected advanced level technical support needs.
  - o GIS Database Support:

### Tasks Identified in Business Case

#### **Training**

- o Develop Collaborative Training
- o Inventory and training info clearinghouse

#### o GIS Software

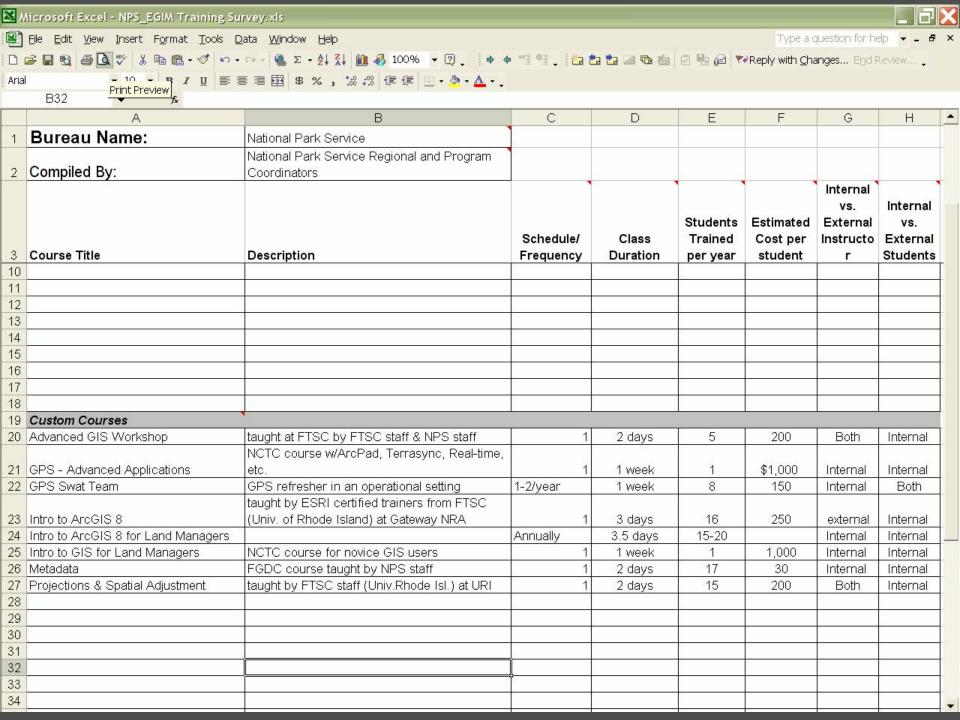
- o Remote installs, common deployment scripts
- o Coordinated Beta and software testing
- o Security template testing/involvement

#### o Knowledge Base

- o Best practices database
- o Project document clearinghouse

#### o Help Desk

- o Consolidated/coordinated deployment
- o Communications Plan



#### Help Desk Information

Bureau/Agency Name: National Park Service

What is your current approach to GIS Help Desk Support?

MWR - GIS users in the region are encouraged to contact the GIS FTSC staff or fellow NPS GIS users in the region/servicewide to have their questions answered.

NEN — Provide phone and e-mail technical support. Attempt to resolve problems independently and utilize ESRI/BCS support resources when required.

List any web pages for GIS Support. Indicate which might be opened for access by other agencies.

http://www.edc.uri.edu/ftsc/nps\_metadata/

http://science.nature.nps.gov/metadata/

http://www1.nrintra.nps.gov/im/datamgt/nrdismhb.htm

http://mac.usgs.gov/mac/isb/pubs/factsheets/fs17199.html

http://science.nature.nps.gov/im/gisprogram.htm

http://www.pwr.nps.gov/prog/gis/default.htm

http://www.edc.uri.edu/ftsc/

http://mercator.den.nps.gov/npsgps/

http://www.asprs.org/asprs/news/satellites/satellites.htm

http://biology.usgs.gov/npsveg/

http://science.nature.nps.gov/im/datamgmt.htm

http://www.nps.gov/gis/contracts/ela\_help.html

List any lists or FAQ resources for GIS Support. Indicate which might be opened for access by other agencies.

http://support.esri.com

What are the current challenges with your GIS Help Desk?

- Most of the users have either very basic questions that an NPS colleague or FTSC staff person
  can address. Advanced users occasionally have more difficult questions, they go to the FTSC
  staff, the regional NPS contact for ESRI help, or one of the ESRI/GIS lists. There are no
  significant problems with this "system".
- Limited staff, no access to agency-specific knowledge base. Sometimes, questions are far
  more advanced than our first-hand experience with software.

How would you improve your current Help Desk support?

 Provide "unlimited" right-to-call access to software vendor. Create database of commonly asked questions and solutions.

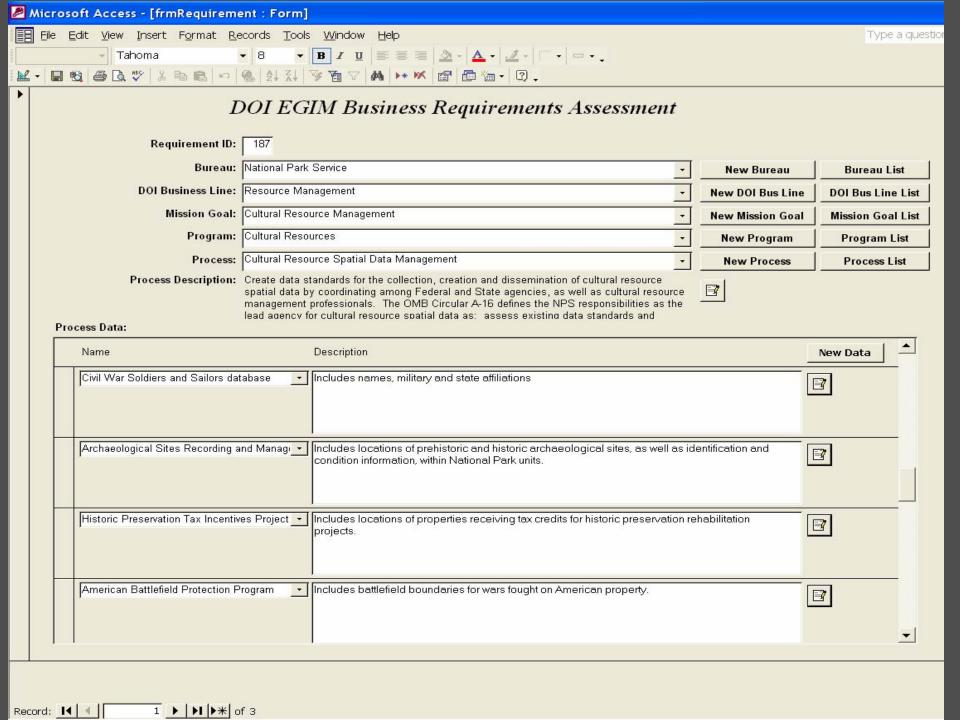
### Tasks Identified in Business Case

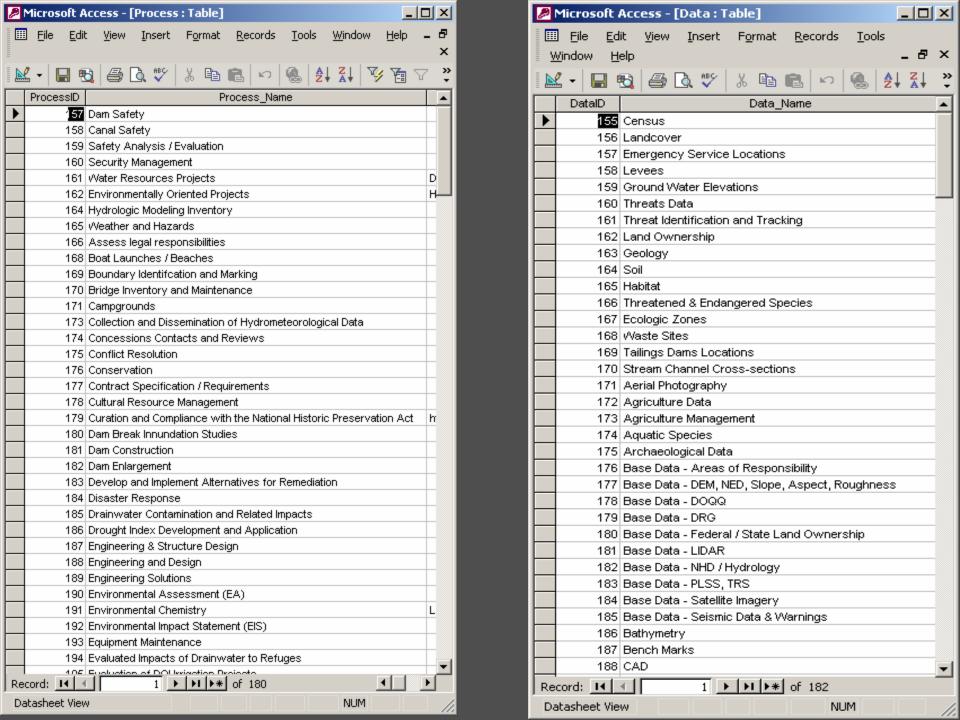
#### o GIS Database Support

- o Geospatial data inventory
- o Develop data "stewardship" publication/sharing policy
- o Develop data management best practices
- o Cross-bureau GIS application analysis & recommendations
- o Re-engineer existing programs/initiatives
- o Develop common Geodatabase Models

#### o System Architecture

- o Participate with ESN on DOI network architecture
- o Hold Executive Workshop







Thank you!

The EGIM Team