DuPage County, Illinois 2009 Geospatial Data Partnerships Across Local, State, and Federal Agencies

Presentation to 2009 NSDI CAP Grant Category 7 Group

Bill Faedtke
Manager of GIS
Background...

- **DuPage County stats:**
  - Directly west of the City of Chicago.
  - 336 square miles.
  - Population of nearly one million people.
  - Mature / leading edge GIS program (started in 1983).
GIS in the Chicago metro area...

- **Northeastern Illinois Counties GIS Consortium (NEIL):**
  - 9 counties.
  - Develop **common standards**.
  - Exchange **standardized data**.
  - Share ideas.
  - Provide **backup** in times of disaster.
Additional needs...

- **Data Distribution System:**
  - No central access point to data.

- **Synchronization with State and Federal agencies:**
  - No common data format or scheduled updates.

- **Data Distribution Policy:**
  - No standard data sharing agreements.
  - Wide variety of costs charged to access the data.
DuPage County 2009 Geospatial Partnership Program...

- **Data Distribution System:**
  - Illinois GIS Clearinghouse and the University of Illinois.

- **Synchronization with State and Federal agencies:**
  - Develop data translators and regularly scheduled updates.

- **Data Distribution Policy:**
  - Demonstrate to Policy Makers the benefits of an Open / Standardized GIS Data Policy.
A Gateway to Illinois GIS Data Sets and Orthophotography
Access Illinois GIS data sets and documentation (metadata) for ArcIMS Interactive Map Services, USGS digital topographic maps, aerial photography, orthoimagery, orthophotography, geology, land use, natural resources, and infrastructure. Illinois data sets and map data layers are available for download free of charge.

Aerial Photography and Orthophotography
Illinois High Altitude Program
USGS Digital Topographic Maps
Illinois Map Data Layers
ArcIMS Interactive Map Services
Software Tools

Background
The Illinois Natural Resources Geospatial Data Clearinghouse (Illinois Clearinghouse) is an established node of the National Spatial Data Infrastructure Clearinghouse Network. Hosted by the Illinois State Geological Survey since July 1, 1997, the Illinois Clearinghouse has become the de facto starting point for the GIS and remote sensing user communities in Illinois.

Project Milestones

2007
- 10 Year Anniversary of Illinois Clearinghouse, July, 2007
  - Access to 27,800 data files and 18,300 aerial photos
  - 35 Terabytes of data provided to customers on demand.
  - 1.3 million dollars in support from 40 grants and contracts.
- Illinois Historical Aerial Photographs available for 57 counties April, 2007.

1997
- Registered Illinois Node with the FGDC July, 1997
- Installed NSDI Isis client/server software for metadata search and retrieval.
- Created browse GIF images and export files for available data sets.
- Produced Illinois Natural Resources NSDI Clearinghouse web site prototype.
- Produced CSDGM compliant metadata for 120+ GIS data sets.

Dr. Don Luman
Principal Geologist
Illinois State Geological Survey
Synchronization with Local, State, and Federal Agencies...

- **Standard Data Distribution in the Chicago metro area:**
  - NEIL Counties GIS Consortium.

- **Synchronization with State agencies:**
  - Don Luman, University of Illinois.
  - Dan Wilcox, State of Illinois GIS Coordinator.

- **Synchronization with Federal agencies:**
  - Shelley Silch, USGS Geospatial Liaison
  - Trans Net, Structures, Boundaries.
  - GNIS.
Synchronization with Local, State, and Federal Agencies...

- Reconcile Local, State, and Federal GIS Data Models:
  - **NEIL Counties** Data Standards.
  - **State of Illinois** agency Standards.
  - **USGS** “Best Practices” data models for transportation, structures, and boundaries.
Open GIS Data Distribution Policy...

- Proposed DuPage County Open GIS Data Policy:
  - No restrictions on Trans Net, Structure, or Boundary data.
  - Recommend to County Board Open Policy on all data.

- Regional / State Open Data Policy Initiatives:
  - Pursue NEIL Open Data Policy.
  - Develop / promote legislation to require open access to GIS data.