Regional Homeland Security GIS Project

-Northwest Region-

Topics

- GIS – What is it?
- Proposed Plan of Action
  - GIS Inventory
  - Sub-Regional Stakeholders Meetings
  - GIS Training
  - GPS Training
  - GIS Equipment and Software
  - GIS Technical Subcommittee
- State HLS Support Team

GIS – What is it?

GIS – What is it?

- GIS, geographic information system, is a **system** of **hardware, software and personnel** that utilizes **digital geographical data** to analyze, store, manipulate, visualize, and make better informed **decisions** about some portion of the earth.

1.

Why a GIS Project?

- The Situation
  - 4 Federal Declared Disasters in 2007
    - Winter Storms & Ice (January)
    - Tornado & Flooding (May)
    - Flooding (June)
    - Ice & Snow (December)
  - Development of Incident Management Teams
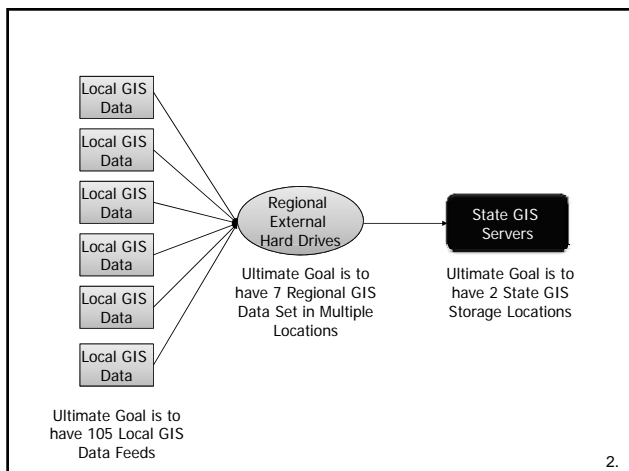 - GIS – powerful tool for responders

2.

The Adjutant General's Vision

Goals for GIS within homeland security and emergency response
- "Critical GIS data layers statewide"
- Regional Archives
- Offsite back-up of local data at DASC
- Rapid accessibility of local data for Incident Management Teams
- Rapid accessibility of local data at State Emergency Operations Center

2.

Local GIS Data

Regional External Hard Drives

State GIS Servers

Ultimate Goal is to have 7 Regional GIS Data Set in Multiple Locations

Ultimate Goal is to have 2 State GIS Storage Locations

Ultimate Goal is to have 105 Local GIS Data Feeds

2.

Robust GIS for Homeland Security and Emergency Response

Public Works, Emergency Management, EMS, Public/Private Facilities, Public Health/Health Care, Law Enforcement, HLS GIS, Planning, 911, Engineering, Building And Safety, Communications, Fire

2.

Pre-Identified Challenges

- Varied levels of GIS across the region

- Creation & coordination of seamless data layers across the region

- Maintenance of data

- Identification & completion of critical data layers across the region

2.

Proposed Plan of Action

Planning Efforts

- Inventory GIS efforts (by county)

- Four regional stakeholder meetings

- Identification of critical data layers (by region)

- Gather GIS data and prepare an easy to use mapping application

3.

What "We" Will Provide

- Vendor standards

- GIS Data Memorandum of Agreement

- Creation of seamless regional layers (from local data)
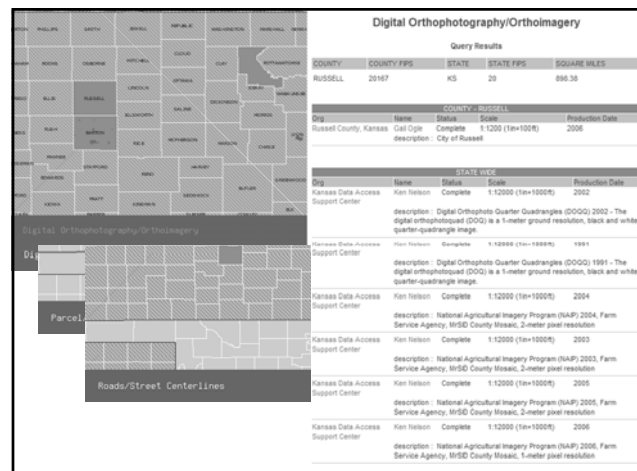
- Data model for local GIS professional

GIS Inventory

What is a GIS Inventory?

- Inventory will gather information on GIS...
  - Hardware
  - Software
  - Personnel
  - GIS Data
- Foundation for Gap Analysis
  - Must know what exists in order to complete the "quilt"

What is a GIS Inventory?
- Continued -

- Visit each county to initiate the inventory
  - DASC will coordinate site visits
  - Goal is to visit every county within two weeks

- At least two Support Team members will visit GIS personnel or POC in the identified counties
  - Introduction to the Kansas GIS Inventory tool
  - Assist in identifying categories for existing data

Sub-Regional MVP Meetings

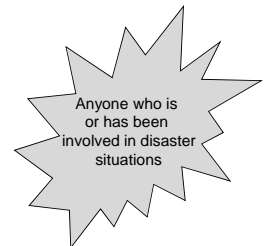(Most Valuable Professionals)

Sub-Regional MVP Meetings

• 4 Locations (determined by the council)

• Two Sites per Day
  – Letter from the Regional Council Chair to each of the 18 counties

• Length of Time: Two hours

Why Sub-Regional Meetings?

• Provide responders within each county:
  – Project overview and why it is important
  – A voice in determining what are truly "critical" data layers in this region

• Support Team will facilitate each of the meetings
  – The Kansas Collaborative
  – Kansas Homeland Security GIS Coordinator
  – DASC Representative

Who is a MVP?

• Members of the response community
  – Emergency Management
  – 911
  – Communications
  – Law Enforcement
  – Fire
  – Emergency Medical Services
  – Health
  – County Extension Agent
  – GIS Personnel

Anyone who is or has been involved in disaster situations

Sub-Regional MVP Meetings

- Chairperson
  - Invite to the counties to 1 of the 4 meetings
  - Support Team can draft the letter

- Council Members
  - Participation
  - Spread the word!

Regional GIS Training

GIS Training

- 2 Location (determined by the council)

- 2 day hands-on training for emergency responders

- Contracted (GISEdge)

Regional GPS Training

GPS Training

- 4 Location (determined by the council)

- 1 day hands-on training for emergency responders

- Contracted (Steve Thompson)

Equipment and Software

Equipment and Software

- ArcView (single-use) license
  - ~$1224
  - Additional maintenance ($400-$300) per year per license

- ArcGIS Extension
  - ~$2040

- GPS Unit (Mapping Grade)
  - ~$2749

Equipment and Software

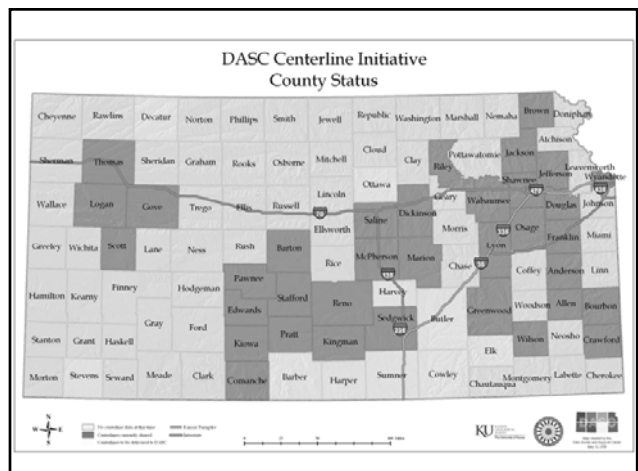- External Hard Drive(s) – 1 TB
  - ~$250

- Flash Drives – 8 GB
  - ~$65

GIS Technical Subcommittee

Regional GIS Technical Subcommittee

• Aid in gap analysis with the Support Team

• Provide recommendation on "filling" the gaps

• Provide guidance on data priority

• Provide guidance on equipment purchases

GIS "Champions"

• Your support is the success of this project

DASC Centerline Initiative
County Status

State HLS Support Team

Support Team

- **Jessica Frye,** Kansas Homeland Security GIS Coordinator
- **Ivan Weichert,** Kansas GIS Coordinator
- **Ken Nelson,** Data Access and Support Center
- **Eileen Battles,** Data Access and Support Center
- **Ingrid Landgraf,** U.S. Geological Survey
- **Kathleen Harnish-Doucet,** The Kansas Collaborative
- **Joel Wright,** The Kansas Collaborative

10.

Questions?

Thank you!

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