Regional Catastrophic Preparedness Grant Program

US Department of Homeland Security initiative
Seeks to enhance regional capability to withstand and recover from a catastrophic event
Support coordination of regional all-hazard planning
NY/NJ/CT/PA Project Site

New York/New Jersey Area Project Site

30 counties within the New York City metro region

1 out of every 14 Americans

Governed by the Regional Catastrophic Planning Team
Regional Catastrophic Planning Team (RCPT)

Representation across the states (NY, NJ, CT, PA)

Representation across government levels (State, City, County)
Regional GIS Project Update

Regional Catastrophic Planning Team (RCPT) – Nine core projects

1 - Regional GIS Project
2 - Evacuation and Sheltering Plan
3 - Radiological Dispersal Device Plan
4 - Disaster Housing Recovery Plan
5 - Infrastructure Protection Plan
6 - Mass Fatality Plan
7 - Debris Management Plan
8 - Continuity of Operations Plan
9 - Logistics Program
Regional GIS Project Update

- Identify and appraise geospatial data
- Data pertinent to effective regional, catastrophic emergency management within the project site
- Including necessary information to contact organizations and/or individuals that are stewards of the data.
Regional GIS Project Update

Deliverables

1. Point of Contact Database
2. Data Inventory Database
3. Gap Analysis
4. Recommendations Report
Project Methodology

Project Initiation
- Kick-Off Meeting
- Conduct RCPT Project Interviews
- Set-up Projectmates Repository

POC Database
- Database Design
- Development of the Database
- Populating POC Information

Visioning Workshop
- Conduct the Full-day Workshop
- Send Workshop Notes to Stakeholders

Outreach
- Schedule and Conduct Outreach Interviews
- Identify Additional Contacts

Data Inventory
- Database Design
- Development of the Database
- Populating Geospatial Information
- Classification of Data

Data Collection
- Collection of Geospatial Data and Metadata
- Quality Assessment of Data

Gap Analysis
- Analysis of Data / Metadata
- Identification and Reporting of Gaps

Reports
- Interim Reports
- Recommendation Report
- Minimum Essential Dataset Spreadsheet
Visioning Workshop Results

Strengths

Strong relationships in the GIS Community
State GIS Coordination

Weaknesses

Staff limitations for regional initiatives
Public record law restrictions
Need for additional voices to be heard
Visioning Workshop Results

Opportunities

- Project marketing/elevator pitch
  - Executive level
  - Essential concepts

- Improved collaboration between local/city and state
  - Geo-Extension officer concept
Visioning Workshop Results

Opportunities

- Sharing knowledge of data maintenance best practices
  - SLA/MOU
  - Feedback loops
  - Alignment of attribution

- Defined quality standards for data
  - Spatial accuracy
  - Accuracy of attribution
  - Compilation/aggregation
Visioning Workshop Results

Opportunities

- Geospatial Concept of Operations
  - Who?
  - Does What?
  - With What Data?
  - When?

- Improved leveraging of funds to support vertical AND horizontal capability
Visioning Workshop Results

Opportunities

- Regional, integrated spatial datasets

- Regional data sharing architecture
  - On-Demand
  - SOA
  - Federated
Successful Outreach

- Locating the appropriate contact
- Persistence in communication
- Onsite meetings or conference calls
- Follow-ups for details
- Contact recommendations
Data Inventory

- Administrative delays (license agreements, RFIs)
- Lack of formal metadata or incomplete metadata
- Data from vendors
- Local data vs. state/federal data
The Database (Drum Roll Please…)

Features

- Access to related geodatasets, organizations, and contacts
- Filter directories (e.g., keyword, taxonomy)
- Generate reports for single entries or compiled directories
- Export contacts into virtual business cards
- Active URL links to organizations’ websites

And Sooo Much More….
Point of Contact Database

Regional Catastrophic Planning Grant Program
Point of Contact and Data Inventory Database

Contact Information

Salutation: Mr.
First Name: Tom
Title: GIS Specialist
Work Phone: (609) 963-6955
Organization: NJ State Police

Email: rafferty.tom@gw.njsp.org
Fax Number: (609) 882-5647
Department: Office of Emergency Management

Address: P.O. Box 7068 Building 18
City: West Trenton
State: NJ
Zip: 08628-

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Record: 1 of 1

Filtered Search
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Point of Contact and Data Inventory Database

Geodataset Information

Data Owner: Hudson County
Projection: Other
DHS Sector: Transportation
DHS SubSector: Aviation
DHS Segment: Other Aviation Facilities
Last Update: 
Scale: 

Abstract: These locations were collected from Hudson County officials as part of the New Jersey Emergency Preparedness Information Network project.

Purpose: These features are for general location purposes. Please see the citation contact person for more information.

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<th>Description</th>
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</tr>
<tr>
<td>PHONE</td>
<td>Phone Number</td>
</tr>
<tr>
<td>CITY</td>
<td>City location of source address</td>
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</tbody>
</table>

Keywords:
- Airport
- Landing Zones
- Transportation Infrastructure

Save  Close  Delete  Report  Filtered
Data Inventory Database

Let's go take a closer look…
14 = organizations attended Visioning Workshop
63 = organizations represented in POC Database
70 = contacts listed in Point of Contact (POC) Database
102 = data layers supporting the Minimum Essential Dataset
397 = datasets obtained for appraising purposes
1,088 = datasets inventoried in Data Inventory Database
Gap Analysis

MED Layer Availability within the Region

- Regional: 41%
- Partial: 29%
- Minimal: 26%
- None: 4%

- Regional
- Partial
- Minimal
- None
Data Gaps

Environmental and Boundary Layers
- Multiple versions of the same datasets

Population Layers
- Daytime and tourist population data

Utility Layers
- Most up-to-date/complete information would come directly from utility companies
Data Gaps

Transportation

- helipads, commercial truck routes, hazmat routes

Public Safety

- morgues, medical examiner offices, funeral homes

Facilities Infrastructure Layers

- facilities data largely unavailable outside educational and hospital institutions
Recommendations Report

Provided 4 High-level Recommendations

1. Promotion of project tools
2. Maintenance and enhancement of Data
3. Solution for data interoperability
4. Pursuing additional funding

Report can be found at:
ftp://regionalcatplanning.org

Access Requests: Randolph Pullen – rpullen@oem.nyc.gov
Steven Gutkin - sgutkin@regionalcatplanning.org
Where do we go from Here??

- Distribution of Database
- RCPT Consideration of Recommendations
- Determination of Future Funding
RCPT Contact

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Questions??