Monitoring Events in the City of Chicago

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EVENTS

Downtown
Music, food, cultural, sporting, parades

Neighborhood Festivals

Political Events

Protests

Weather
NATO G8 Summit 2012

• Multi-jurisdictional event
  – City, County, State, Federal
• City coordinated the event
• Multiple command posts
• Utilized a Flex based mapping interface
  – Real time GPS, Calls, and Field Intel
NATO G8 Summit 2012
NATO G8 Summit 2012
Public Safety GIS

• Planning
  – Coordinate geospatial data
    • Who, when and how
    • Where’s the GIS person?

• Pre-Event Briefing
  – Where is the paper?
  – Last minute updates

• Monitor the Event
  – On the fly changes
  – Ad-hoc requests

• After Action Report
  – Story Map
  – Dashboard
Technology

• ArcGIS Server
• Geoevent
  – Process real-time data feeds
    • GPS,
    • 911 Calls,
    • Event Notification Emails
    • Geofencing
• Collector and Survey 123
• Dashboards
• Web maps
• Story Maps
Planning

• Leverage a Geoform
  – Simple to develop, use and deploy
  – Changing the culture
    • That’s not how I do it

• Edit Widget
  – Some information is better placed spatially

• These two simple things free up the GIS staff
Geoform and Edit Widget

- The KISS principle
  - Ease of use
  - Revolving door of personnel
  - Create vested interest
- Each group has their own information to add
- Use domains for the data
- Receive immediate feedback
- Coordinate the effort
During the Event

• Simple
  • Geoform

• Generate a Log of the event
  • Post analysis

• Notification via email or text
  • Free up the radio

• Updates to Dashboard
  • What was that just popped up?
  • Who’s closest?

• Use Collector, Survey1.2.3
  • Field Intel
  • Assessment
Pre-Event Briefing

• Web map
  – Last minute changes
    • My copy doesn’t show that
  – Mark up changes as they are being discussed
    • So if we move this feature here does that work?
  – Use the story map
Monitor

• Leverage the Data
  – GPS, 911 Calls, Notifications

• Dashboard it up
  – Every map tells a story don’t it?
  – Near real-time view
  – Who’s there?
  – What’s there?
  – Understand the draw on your resources
• Use the technology
  – Locate your resources
  – Understand the environment
  – Coordinate the effort
  – Analyze the mission

• Fall back to the paper
Command Van
Chicago Marathon
NFL Draft
Cubs Playoffs
Coordinated Exercise
Weather Emergency
After Action

• Story Map
• Dashboard Summary
• The data was collected, now use it
• Prepare for next year
  – Leverage the information
  – Revise plans if needed
    • Next year you’ll be a head of the game
Challenges

• Personnel turnover
  – How did we do it?
  – What did we do?
  – That is not my job

• What happens when the technology fails
  – Guess we go to paper

• Biggest Challenge?
  – This guy
Questions?

- Thanks to ESRI for the invitation to present
- Thank you to everyone here for listening
- Come experience Chicago and enjoy what the city has to offer throughout the year