Information Management and Information Assurance

Collection and Analysis

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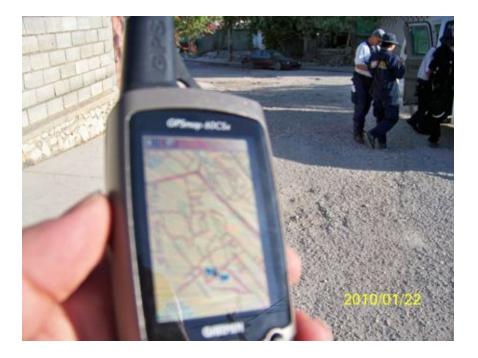
Geospatial Information Basic Considerations

- Location Location Location
- Good Bad Noise
- Convergence of Evidence
- Confidence Assessments
- Decision to Add to the Decision Tree
- Metadata
- Time and Space Movement and Spread
- Network is a Network
- Patterns visualization
- Where? Address; National Grid; Lat-Long; Landmark
- Symbology and Representation



Geospatial Information Science & Technology

- GIS Everything happens somewhere
 - Viewing interactions in time and space of events (real-time?)
 - Data models status is everything
- Volunteered Geographic Information (VGI)
 - Devices and formats: video; text; tweets; positions; facebook; sensors
 - Sensor web: video cams; sniffers; humans
 - All source versus weighted approaches



Geospatial Information Science & Technology

- Emerging Elements
 - Supercomputing
 - Data Mining
 - Compression & Transmission
 - Complex system modeling
- High-Speed Internet Access
 - Georeferenced public health information
 - Web standards OpenGIS; GML/XML; GeoRSS

Geospatial Information Analysis Considerations

- Demographics
- Cultural Context language; ethnicity
- Zones and Movement networks or space
- Confidence how measure and communicate
- Visualization time and space; colors; breaks
- Symbology standards by sector?!
- Plume Analysis Wind; run-off; karst
- Network Analysis roads to relationships
- Human Health Issues; Bariatrics; Sex Offenders; Gangs;

Geospatial Information Health Analysis Considerations

- Do we know normal? What does it look like?
- Issues related to privacy and geocoding?
- 'Practice' tracking common events syndromic surveillance?
- Security surrounding 'exposed' shared services? Controls?
- Public Access / Media Access and transparency?