Mobile & Web GIS in Emergency Response

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Louisiana Remote Sensing GIS Workshop

Lafayette, Louisiana
April 22-25, 2013
Environmental Science Services, Inc. (Es²)

- Registered engineering firm in the State of Louisiana, Established in 1996.
- Provides a wide range of environmental consulting and science support services for industry and government.
- Specializing in current and accurate map-based applications and geo-databases to meet today’s environmental challenges.
- Two full-time GIS Professionals (GISP) on-staff.
- Over 20 years of spill response experience.
GIS Platform for Emergency Response

**Web Common Operating Picture (COP)**
- Incident Management
- Situational Awareness
- Interagency Viewing

**Desktop**
- Planning
- Analysis
- Data Management
- QA/QC

**Mobile**
- Field Data Collection
- Connected / Disconnected
- Real-Time Updates
- Windows Mobile, iOS, Android

**Online Data**
- Basemaps
- Meteorological Background data

**GIS Server**
- Enterprise GIS Data
- Web Services
- Dynamic Sensor Data (AIS, vehicles tracking, etc.)
GIS Platform for Emergency Response

- **Connected** – Real-Time updates from the field to the command center.

- **Rapid** – Deploy in days, not weeks or months.

- **Hosted (Cloud-Based)** – Secured in a state of the art facility. Data is sequestered and only available to authorized users.

- **Enterprise Class** – Built on industry standard platforms including ESRI ArcGIS Server and Microsoft SQL Server database.

- **Flexible** – Scale up & scale down projects.
Mobile GIS for Emergency Response

- **Connected** – Upload data from the mobile device to the server in real-time. Ability to cache the data when disconnected.

- **Rapid** – Mobile device downloads the project and data from the server. No pre-loaded data required.

- **Hosted (Cloud-Based)** – When connected, all data is instantly transmitted to the server. If the device is lost, the data is safe.

- **Enterprise Class** – Powerful mobile applications built on the ESRI platform.

- **Flexible** – Mobile device for all needs: Trimble, Android, iOS.

- **Cost Effective** – Ability to utilize existing mobile devices.
Mobile GIS – Trimble Juno
Mobile GIS – Android Tablet
Mobile GIS – iPad
Mobile GIS – iPad
Mobile GIS – iPad
Web GIS for Common Operating Picture (COP)

- **Real Time** – Display data as it is collected.
- **Secure** – Assign security based on user roles.
- **Customizable** – Display as much or as little data as desired.
- **Powerful** – Perform GIS display and analysis on the web.
- **Flexible** – Windows and Macintosh compatible.
- **Cost Effective** – No client software required.
COP Web Application
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A map interface showing a coastal area with various markers and layers.
COP Web Application
Any Questions or Comments?

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