

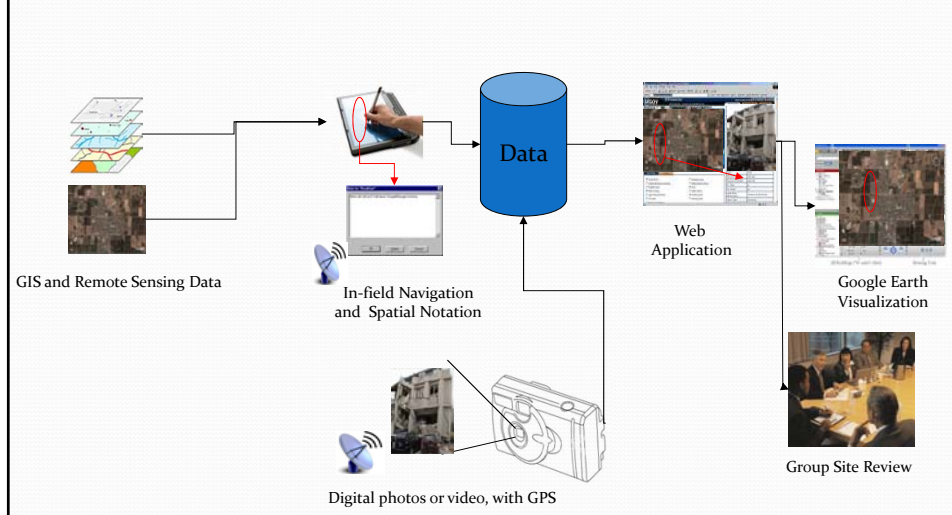
Data Collection Tools for Earthquake Reconnaissance

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Short presentation

- Introduce some of the thoughts of the IT Committee
- Introduce some existing tools (Maggie Ortiz)
- Open discussion on the role of EERI

Data collection tools



Data collection tools

- Hardware
 - Phones, tablets, laptops, GPS, digital cameras, video
- Software
 - OS (fleeing), GIS, custom form or browser based solutions
- Data
 - Taxonomy, GIS, before and after satellite data
- Review and Web Dissemination
 - Upload, logistics planning, archive

Potential Benefits

- Rigorous data collection
- Deploy pre and post event satellite data, mapping and other GIS data to the field
- Navigate to earthquake damage
- Georeferenced photos
- Permanent spatial catalog of data

Main challenges

- Simple to use, not disruptive
 - Stressful conditions
 - GPS, digital camera, mobile or laptop connectivity
 - Some tools designed for constant GPS and internet connectivity
 - Complex entry requirements can slow speed to a crawl
 - Protocols compete with precious recon time
- Pen and paper offer a tempting alternative