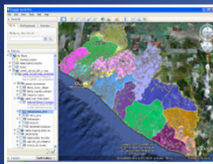


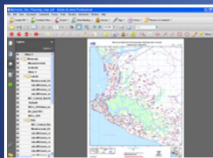


## SITUATIONAL AWARENESS TOOLS



### Google Earth

- UNHQ provided UNMIL one copy of GE PRO
- UNMIL *limited to 20 computers*
- 10 GE PRO and 10 free versions employed



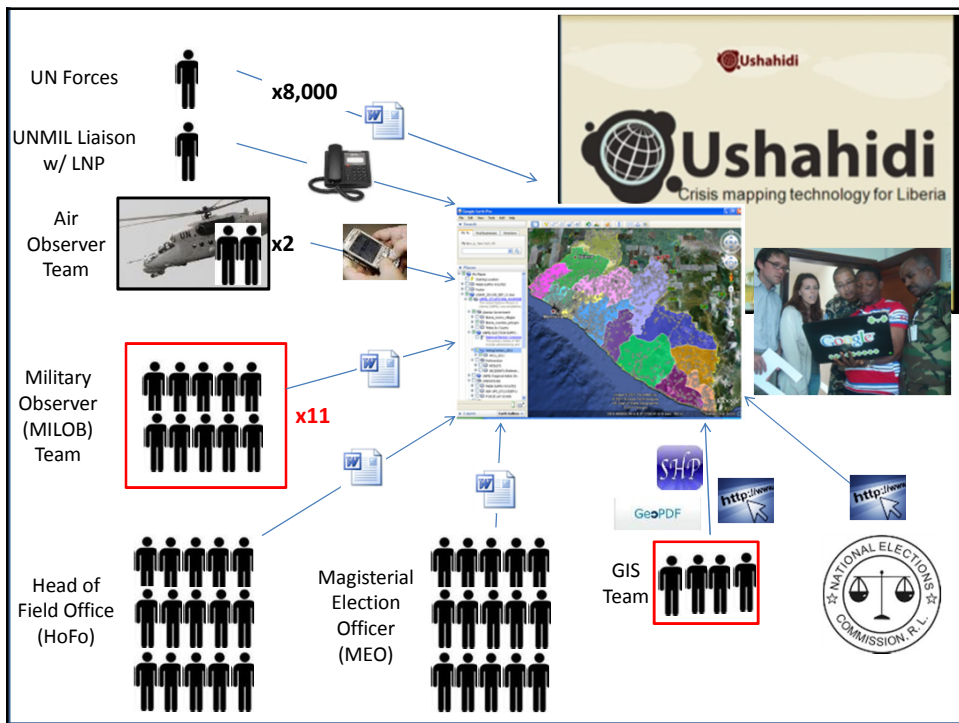
### GeoPDF

- UNMIL GIS Team product format is PDF
- Available via Intranet, small enough to email
- Free GeoPDF plugin provides greater capability



### Ushahidi

- Improved rapid access to multiple reporting sources
- Expanded use continues to grow with education
- Necessary partner in the future



## DATA TREE

<ul style="list-style-type: none"> <li>Liberian Government</li> <li>Towns and Villages</li> <li>Counties</li> <li>Tribes by County</li> <li>Elections Support</li> <li>National Election Commission (NEC)             <ul style="list-style-type: none"> <li>NEC Headquarters</li> <li>NEC Warehouses</li> <li>Voting Centers</li> <li>Electoral Districts</li> </ul> </li> <li>Incidents             <ul style="list-style-type: none"> <li>Run-off</li> <li>General Election</li> <li>Referendum</li> </ul> </li> <li>Political Events             <ul style="list-style-type: none"> <li>Marches</li> <li>Rallies</li> <li>Debates</li> </ul> </li> <li>Political Party Headquarters</li> <li>UNMIL Regional Admin Structure</li> <li>Refugee Camps</li> <li>Weather</li> </ul>	<ul style="list-style-type: none"> <li>Operations             <ul style="list-style-type: none"> <li>Helicopter Landing Sites</li> <li>Force Lay Down</li> <li>Force Headquarters</li> <li>MILOB Team Sites</li> <li>Sector Force Locations</li> <li>Force Quick Reaction Force</li> <li>Vehicle Recovery Assets</li> <li>Forward Staging Areas                 <ul style="list-style-type: none"> <li>Boundaries</li> <li>FPU Deployment</li> <li>Check Points</li> <li>Election Support Deployment</li> <li>Presence Status</li> </ul> </li> </ul> </li> <li>Air Operations             <ul style="list-style-type: none"> <li>Aviation</li> <li>Air Patrol (Monrovia)</li> </ul> </li> <li>Warden System</li> <li>Host Nation Military</li> <li>JMAC Assessments</li> <li>Hot Spots</li> <li>GPS Tracks             <ul style="list-style-type: none"> <li>MILOB</li> <li>Aviation Patrols</li> <li>Other</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Infrastructure             <ul style="list-style-type: none"> <li>Bridges</li> <li>Main Supply Routes</li> <li>Communications                 <ul style="list-style-type: none"> <li>Phone Towers</li> <li>WAN Links</li> <li>Telephone Exchanges</li> <li>UNMIL Radio Coverage</li> </ul> </li> <li>Security Force Locations                 <ul style="list-style-type: none"> <li>UN Police</li> <li>Liberia National Police</li> <li>Bureau of Immigration and Naturalization</li> <li>Prisons</li> </ul> </li> <li>Medical Facilities</li> <li>Fuel Farms</li> <li>Embassies</li> <li>International Institutions</li> <li>Schools</li> <li>Commercial Enterprises</li> <li>Cemeteries</li> <li>Maps (multiple scales)</li> <li>Imagery (multiple scales)</li> </ul> </li> </ul>
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## JOINT ELECTIONS OPERATIONS CENTER

- **Who and Where:** United Nations Mission Liberia (UNMIL) Headquarters/ Force G3
- **When:** July 2011- January 2012
- **Why:** To achieve and maintain *Situational Awareness*. Collect and assess information/ reports and make recommendations to the Electoral Crisis Management Team (ECMT)

## PRIMARY DATA SOURCES

- **Base Mapping Data**
  - UNMIL GIS Team (Liberia)
  - UNOCI GIS Team (Cote D'Ivoire)
- **Operational Reporting**
  - Elections Technical Team (ETT)
  - Joint Operations Center (JOC)
  - Military Observers (MILOB)
  - Military Contingents (Forces)
  - Open source reporting/ social media

## INITIATIVE SUSTAINABILITY

- Operational necessity, not luxury
- Organizational momentum makes it difficult to implement any new process, but *it is very possible*
- Areas to focus upon-
  - Funding
  - Communications architecture
  - **Organizational culture/ status quo**
  - **Education/ Training**
  - Personnel turn-over

## UN MISSION APPLICABILITY

- Crisis management (planning and response)
- Humanitarian project planning and implementation
- Elections process monitoring
- Operations support (aviation, military, police, logistics and more)
- Crime report and trend tracking
- Facilities management (real estate and environmental documentation)