Preparing for Volunteers in Disasters and Coordination with Voluntary Organizations

Submitted by: CrisisCommons
Preparing for Volunteers in Disasters and Coordination with Voluntary Organizations

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See Heather's Notes from APEC USA at http://tinyurl.com/3kvptql
See Heather's Tweets #apecusa11 from @poplifegirl
Expanding Public Private Partnerships

• Fundamental shift in societal communications

• People are self organizing to support disasters

• People are disconnected from the emergency management systems to help compass productivity

• Social media is information. Information can be turned into data. Data at the right place and right time can help disaster officials make better decisions.

• Partnerships of the future will need to include ad hoc communities and networks not just organizations. They will need to work to build an ecosystem where partnership efforts may overlap but strategic engagement is paramount.
"I'd rather be slow and right than fast and wrong,"
"Social media is for parties. We ain't givin' parties,"

- Lon Wells, Washington DC Fire Department Director of Communications

“Most importantly, social media is imperative to emergency management because the public uses these communication tools regularly. Rather than trying to convince the public to adjust to the way we at FEMA communicate, **we must adapt to the way the public communicates by leveraging the tools that people use on a daily basis.** We must use social media tools to more fully engage the public as a critical partner in our efforts.”

– FEMA Administrator W. Craig Fugate

Zombies Make Preparedness Messaging Interesting #1 Page on CDC.gov
Crisis Crowd

Affiliated Response

http://redcrossla.org/blog/station-fire-evacuation-shelters/


Digital Response


People are Problem Solving

http://www.youtube.com/watch?v=KzsrRQDuPAIU&feature=relmfu

Inveneo in Haiti: Deploying Long-Distance WiFi Networks

http://www.youtube.com/watch?v=q8WCp29E6aq4&feature=relmfu

Thursday, September 22, 2011
People are Building Tools
People are Creating Data
People are Working Together

Virtually via Skype or IRC

In Person Gatherings

location agnostic
cross languages
cross borders
Activities are Across APEC Economies

Thursday, September 22, 2011
Christchurch Earthquake
Thailand Floods
Social networks prove invaluable in time of crisis

Published: 27/10/2010 at 12:00 AM
Newspaper section: Database

The devastating floods in rural Thailand have galvanised Thailand’s online community and ICT industry to come up with new ways to help through the power of open source, social networking and cloud sourcing for volunteers, as well as providing an integrated relief portal for the victims.

Poramate Minsiri, known as @iWhale on Twitter and founder of the kapook.com portal, has set up thaiflood.com in response to the disaster, alongside a Facebook campaign to promote the site which now has been ‘liked’ by over 5,000 members.

The portal is a centre for news updates and information on flood victims as well as details of how to make donations.

“We believe Thais never abandon fellow Thais in times of need and the power of this spirit will never disappear from Thai society,” said Poramate.

Kapook.com’s employees, along with many other volunteers, used an open source engine from Google Crisis Response to depict the disaster area on Google Maps. This shows areas that have already been affected and those at risk of flooding, as well as providing relief contact details.
East Japan Earthquake
# IASC Guidelines

**Common Operational Datasets (CODs) in Disaster Preparedness and Response**

As requested by the 77th IASC Working Group meeting

IASC Endorsed November 1 2010

<table>
<thead>
<tr>
<th>Dataset</th>
<th>Recommended Governance</th>
<th>Mandatory Data Characteristics</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Humanitarian Profile</strong></td>
<td>Guardian: OCHA</td>
<td>- Internally Displaced&lt;sup&gt;17&lt;/sup&gt;</td>
</tr>
<tr>
<td>(disaggregated by admin level and populated place)</td>
<td>Sponsor: OCHA</td>
<td>- Non-displaced affected</td>
</tr>
<tr>
<td></td>
<td>Source: Government, Assessments, UNHCR, IOM</td>
<td>- Host family/resident community affected</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Refugee&lt;sup&gt;18&lt;/sup&gt;</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Dead</td>
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<tr>
<td></td>
<td></td>
<td>- Injured</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Missing</td>
</tr>
<tr>
<td><strong>Population Statistics</strong></td>
<td>Guardian: OCHA</td>
<td>- Total population by admin level (Individuals)</td>
</tr>
<tr>
<td></td>
<td>Sponsor: OCHA,UNFPA (Other potential sponsors could include UNDP, Government agencies or INGOs)</td>
<td>- Total population by admin level (Number of Households)</td>
</tr>
<tr>
<td></td>
<td>Source: Government</td>
<td>- Age</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Sex</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Average family size by admin level</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Unique identifier</td>
</tr>
<tr>
<td><strong>Administrative Boundaries</strong></td>
<td>Guardian: OCHA</td>
<td>- Unique identifier (P-Code)</td>
</tr>
<tr>
<td>(Geographic)</td>
<td>Sponsor: OCHA (Other potential sponsors could include UNDP, Government agencies or INGOs)</td>
<td>- Name</td>
</tr>
<tr>
<td>admin level 1</td>
<td>Source: Government</td>
<td></td>
</tr>
<tr>
<td>admin level 2</td>
<td></td>
<td></td>
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<tr>
<td>admin level 3</td>
<td></td>
<td></td>
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<tr>
<td>admin level 4</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Populated Places</strong></td>
<td>Guardian: OCHA</td>
<td>- Unique identifier (P-Code)</td>
</tr>
<tr>
<td>(Geographic)</td>
<td>Sponsor: OCHA, (Other potential sponsors could include UNDP, Government agencies or INGOs)</td>
<td>- Names</td>
</tr>
<tr>
<td></td>
<td>Source: Government</td>
<td>- Size classification</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Population statistics</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Status if capital of administrative division</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Type (Village, spontaneous settlement, collective center, planned settlement)</td>
</tr>
<tr>
<td><strong>Transportation Network</strong></td>
<td>Guardian: OCHA</td>
<td>- Roads (Classified by size)</td>
</tr>
<tr>
<td>(Geographic)</td>
<td>Sponsor: Logistic Cluster</td>
<td>- Railways</td>
</tr>
<tr>
<td></td>
<td>Source: Government</td>
<td>- Airports/helipads</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Seaports</td>
</tr>
<tr>
<td><strong>Hydrology</strong></td>
<td>Guardian: OCHA</td>
<td>- Rivers (Classified by size)</td>
</tr>
<tr>
<td>(Geographic)</td>
<td>Sponsor: OCHA (Other potential sponsors could include UNDP, Government agencies or INGOs)</td>
<td>- Water bodies</td>
</tr>
<tr>
<td></td>
<td>Source: Government</td>
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</tr>
<tr>
<td><strong>Hypsography</strong></td>
<td>Guardian: OCHA</td>
<td>- Elevation</td>
</tr>
<tr>
<td>(Geographic)</td>
<td>Sponsor: UNOSAT</td>
<td>- Resolution</td>
</tr>
<tr>
<td></td>
<td>Source: Remote sensing, Government</td>
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</tbody>
</table>
Data Gathering

Geolocation
Challenges We See

• It’s not that we don’t have the right technology or data often the challenges are more complex. They are often policy and culture --- people-related challenges

• Lack of connectivity to disaster management systems

• Public policy 10 years behind technology

• CIO enterprise decisions impact disaster management programs

• Ability to participation before crisis

• Varying levels of digital literacy

• Trust and verification
Capabilities

- Manage information
- Rally and coordinate resources
- Problem Solving
- Technical expertise
- Production through distributive networks
- Local knowledge, connected global diaspora
- Mobile
- Connected sensory network
Connecting Capabilities to the Response Community

Technology resources are coordinated together.

Technology cluster lead reports directly to Operations Center leadership.

Cluster ability to provide requirements and problem definitions to external communities for data curation and visualization.

External communities able to create productive and useful products based on response agency requirements.

Pre-identification of coordination resources such as a local University or co-working space where communities can gather to work on common projects and response agency requirements.

Scalable - Leverages Existing Resources
Compasses Virtual and Volunteer Communities to Productive Use

First proposed at the American Red Cross Crisis Data Summit on August 10, 2011
http://www.slideshare.net/poplifegirl/arc-08-12-10-final-short
Who is watching and preparing for the future -- right now?

Thanks!