Search, Organize and Share: How Information Services Support Disaster Management

Presented by
Hanna Kubiak, MSc, Senior Director Information Services
International Sales, GeoEye

at
Fourth United Nations International UN-SPIDER Bonn Workshop on Disaster Management and Space Technology: "The 4C-Challenge: Communication - Coordination - Cooperation - Capacity Development"
October 12th 2010
Communication, Coordination, Cooperation, Capacity Development

Challenges

Long-Term Support Needs

Immediate Support Needs

Disaster Management

Preparation,

Disaster
# Web Services

<table>
<thead>
<tr>
<th>Service</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Web Mapping Service (WMS)</td>
<td>• Generic way of displaying imagery within applications</td>
</tr>
<tr>
<td></td>
<td>• Served from across the web, not local content</td>
</tr>
<tr>
<td>Keyhole Markup Language (KML)</td>
<td>• Consume imagery services within Google Earth</td>
</tr>
<tr>
<td>Web Mapping Tiling Service (WMTS)</td>
<td>• A faster way of serving WMS using fixed-size image tiles</td>
</tr>
<tr>
<td>Web Coverage Service (WCS)</td>
<td>• Imagery downloads for use locally</td>
</tr>
<tr>
<td></td>
<td>• “AOI downloads” or “clip &amp; ship”</td>
</tr>
<tr>
<td>Web Feature Service (WFS)</td>
<td>• Ability to consume vector data like footprints, cutlines, and annotations</td>
</tr>
</tbody>
</table>

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GeoEye’s Capacity Development

Communication

GeoContent.

Search...

Coordination

Organize...

Your Work.

Cooperation

Share...

With Colleagues.
Pakistan floods

Gen Nadeem Ahmed, of the National Disaster Management Authority (NDMA), said 12 million people had been affected in Khyber Pakhtunkhwa and Punjab provinces, where 650,000 houses were destroyed. – BBC News

Azakhel is the largest Afghan refugee camp that the floods destroyed. It had a population of 22,000 people, who lost everything – UNCHR
Pakistan Floods

Project Name: Pakistan Floods (Aug 2010)
Point of Contact: Scott Herman

Project Description (optional):
Flood damage assessment and disaster relief planning.

SITES ▼
Indus River flooding at Sukkur
Sukkur
Azakhel Afghan Refugee Camp
Nowshera
Gakkauch
Khesgi
Chatorkhand

ADD NEW SITE ▼
Indus River flooding at Sukkur
Indus River flooding at Sukkur
Indus River flooding at Sukkur
Pakistan Floods

Project Name: Pakistan Floods (Aug 2010)

Project Description (optional):
Flood damage assessment and disaster relief planning.
Azhakhel Afghan Refugee Camp
# Project Members

## Account Members

### Show: All | Users | Groups | ADD

- Aaron Shirley
- Adam Brink
- Ana Pizarro
- Andrew Dwyer
- Andrew Molchan
- Andrew Woodler
- Barbara Kistler
- Barrett Bryant
- Bososs Kotias
- Silly Zsembik
- Bob Rye
- Brandon Martinez
- Cameron Butcher
- Casey Burkepper
- Charles Bomard
- Charles Griggs
- Charles Passegno
- Chris Mayfield
- Craig Cox
- Dan Dike
- Darren Jonhson
- David Bing
- David Currence
- David de Castro
- David Lucido

## Users in Project

### Name | Role

- **System Administrator**
- **Rob Poltar**
- **Scott Herman**
- **Derek Deczewitz**
- **Frank Evans**
- **John Davidson**
- **Richard Mogensen**
- **Patrick Neal**
- **Patricia Burbano**

### Remove

## Info

- **Name:** Scott Herman
- **Username:** sherman
- **Email:** xxxxx@geoeye.com
- **Comment:** Point of Contact: ✓

## Groups in Project

### Name | Role

- **EyeQ 2.x Project Man**
- **EyeQ 2.x Site Contrib**

### Remove
# EyeQ: has new Imagery available for: Sukkur

**Project:** Pakistan Urban Areas  
**Site:** Sukkur

**Questions about this image?**  
**Please contact:** Scott Herman  
[herman.scott@geoeye.com](mailto:herman.scott@geoeye.com)

## Image Details

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GeoEye’s Capacity Development for Disaster Management

- Reduced Cost of Ownership
- Operational Expenditure
- Improved Interoperability
- Risk Reduction
- Scalability
- Improved Accessibility and Utility

Web Services
GeoEye’s Capacity Development for Disaster Management