“The UN-SPIDER SpaceAid Framework”

12 October 2010
How can we ensure every disaster receives all available support?

Universal access to space-based information

Building upon local expertise and knowledge

Providing value-added products

Involving available expertise and informal networks

Directly supporting end users: making a difference
Increasing availability

Direct Access

Existing international mechanisms (providing value added products)

Services being set-up by companies
Who can access space-based information?

Wenchuan Earthquake Relief
12 May 2008

NDRCC led effort

United Nations Platform for Space-based Information for Disaster Management and Emergency Response (UN-SPIDER)
Space Technologies for Disaster Risk Management

Images from **earth observing satellites** help assess the damage caused by disasters like earthquakes, volcano eruptions, oil spills and floods.

**Satellite communications** help warn people who are at risk, especially in remote areas. They help connect a disaster zone to the outside world.

**Global navigation satellite systems** enable us to obtain positional information on events that have to be mapped.
Network

- UN-SPIDER Team
- Network of Regional Support Offices (RSOs) (10 + 5)
- National Focal Points (41)
United Nations Platform for Space-based Information for Disaster Management and Emergency Response (UN-SPIDER)

Network of Regional Support Offices

RSO Algeria
RSO Nigeria
RSO I.R. Iran
RSO Pakistan
RSO Ukraine
RSO ICIMOD
RSO Romania
RSO South Africa
RSO Colombia
RSO RCMRD
RSO ADRC
RSO CATHALAC
RSO UWI
RSO Philippines
RSO Indonesia
The SpaceAid Framework

Ready to support emergency response

The SpaceAid Framework – A framework that ensures all countries and international and regional organisations are able to access and use all types of space-based information for humanitarian and emergency response.

- 24/7 Hotline for NFPs and UN (telephone, email or fax)
The SpaceAid Framework
### SpaceAid – Events Supported in 2010 (25 until October)

<table>
<thead>
<tr>
<th>2010</th>
<th>2010 (cont.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benin</td>
<td>Moldova</td>
</tr>
<tr>
<td>Burkina Faso</td>
<td>Pakistan (3x)</td>
</tr>
<tr>
<td>Chile</td>
<td>Senegal</td>
</tr>
<tr>
<td>China</td>
<td>Solomon Islands</td>
</tr>
<tr>
<td>Cook Islands</td>
<td>Sri Lanka</td>
</tr>
<tr>
<td>Gaza oPt</td>
<td>Sudan</td>
</tr>
<tr>
<td>Guatemala</td>
<td>Tajikistan</td>
</tr>
<tr>
<td>Haiti</td>
<td>Tonga</td>
</tr>
<tr>
<td>Kazakhstan</td>
<td>Turkey</td>
</tr>
<tr>
<td>Kenya</td>
<td>Uganda</td>
</tr>
<tr>
<td>Madagascar</td>
<td>Ukraine (2x)</td>
</tr>
</tbody>
</table>
SpaceAid – Haiti Earthquake 12 January 2010

Earthquake hit 22:53 UTC time – UNOOSA/UN-SPIDER activated the International Charter and other mechanisms at 00:38 UTC time in coordination with other UN agencies > exactly 1 hour and 45 minutes after the earthquake struck. UN-SPIDER ensured UN agencies had access to the imagery and data made available and carried out a technical advisory mission meeting with UN, government and non-government institutions. UN-SPIDER is now supporting the Haitian Civil Protection Agency in rebuilding its capacity.
SpaceAid – Chile Earthquake 27 February 2010

Example Chile: response to earthquake on 27 February 2010

Earthquake hit 06:34 UTC time – UNOOSA activated the International Charter and other mechanisms activated at 13:23 UTC time in coordination with other UN agencies and CONAE (Argentinean Space Agency). RapidEye covered the tsunami affected area on the same day. Imagery was sent to ONEMI through UN-SPIDER and was the basis of the initial impact assessment. UN-SPIDER carried out a technical advisory mission at the request of the Chilean Government.
SpaceAid – Ensuring the information is accessible and used ....
Knowledge Portal

A web portal for information, communication, and process support. A platform which supports knowledge management, capacity building, technical advisory support and SpaceAid.
How can we ensure every disaster receives all available support?

“The only tools you will use in a crisis are the ones you have been using already”
United Nations Platform for Space-based Information for Disaster Management and Emergency Response (UN-SPIDER)

Technical Advisory Support

Countries Receiving Technical Advisory Support

THANK-YOU
UN-SPIDER