



“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)**

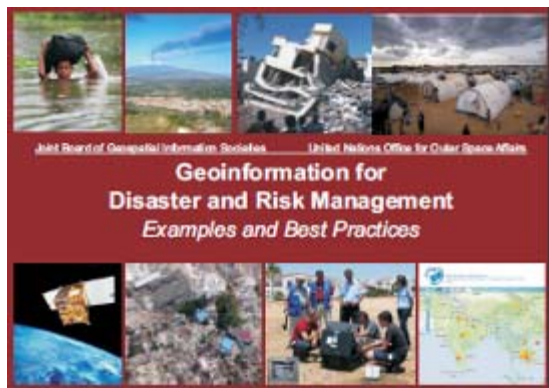


Services being set-up by companies

DIGITALGLOBE® Crisis Event Service



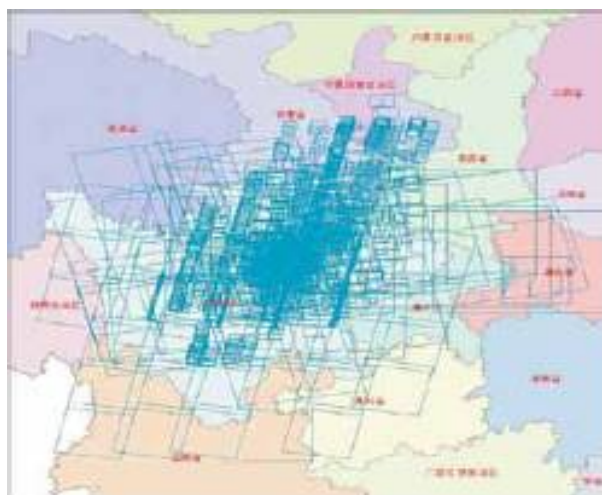
Who can access space-based information ?



Wenchuan Earthquake Relief 12 May 2008

Satellite	Nation/Region	Pre-event images	Post-event images	Total images
RS-1	CHINA	9	246	255
FORMOSAT-2	CHINA(TAIWAN)	3	146	149
CBERS-02B	CHINA	400	25	425
ZY-2	CHINA	7	16	23
BJ-1	CHINA	2	14	16
COSMO-SkyMed	ITALY	0	10	10
QuickBird	USA.	9	28	37
TERRA ASTER	USA.	0	14	14
Landsat-7	USA.	10	4	14
WorldView	USA.	12	0	12
IKONOS	USA.	3	0	3
ALOS	JAPAN	19	21	40
IRS-P5	INDIA	6	27	33
IRS-P6	INDIA	18	0	18
ENVISAT ASAR	ESA	0	16	16
SPOT 5 4 2	FRANCE	122	23	145
TerraX-SAR	GERMANY	0	11	11
EROS-B	ISRAEL	0	10	10
RadarSat-1	CANADA	2	11	13
TOPSAT	UK	0	2	2
UK-DMC	UK	0	4	4
DMG Nigeriasat-1	NIGERIA	0	7	7
Total		622	635	1257

NDRCC led effort





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





UNITED NATIONS | UN

United Nations Platform
Disaster Management

Network

- UN-SPIDER Team
- Network of Regional Support Offices (RSOs) (10 + 5)
- National Focal Points (41)

UN-SPIDER TEAM



UN-SPIDER In Vienna



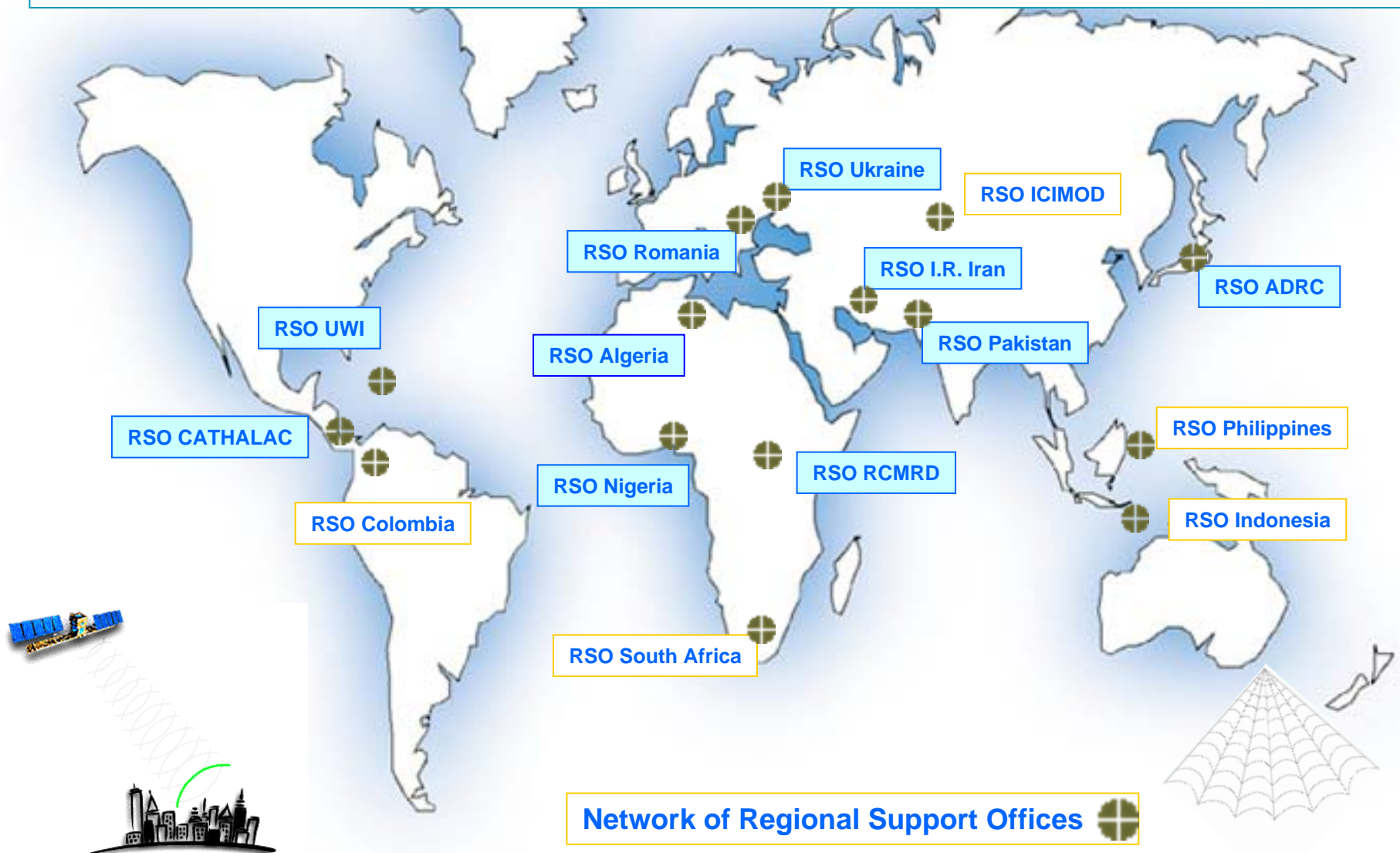
UN-SPIDER Beijing Office



UN-SPIDER Bonn Office



UN-SPIDER Regional Support Offices





The SpaceAid Framework

Ready to support emergency response

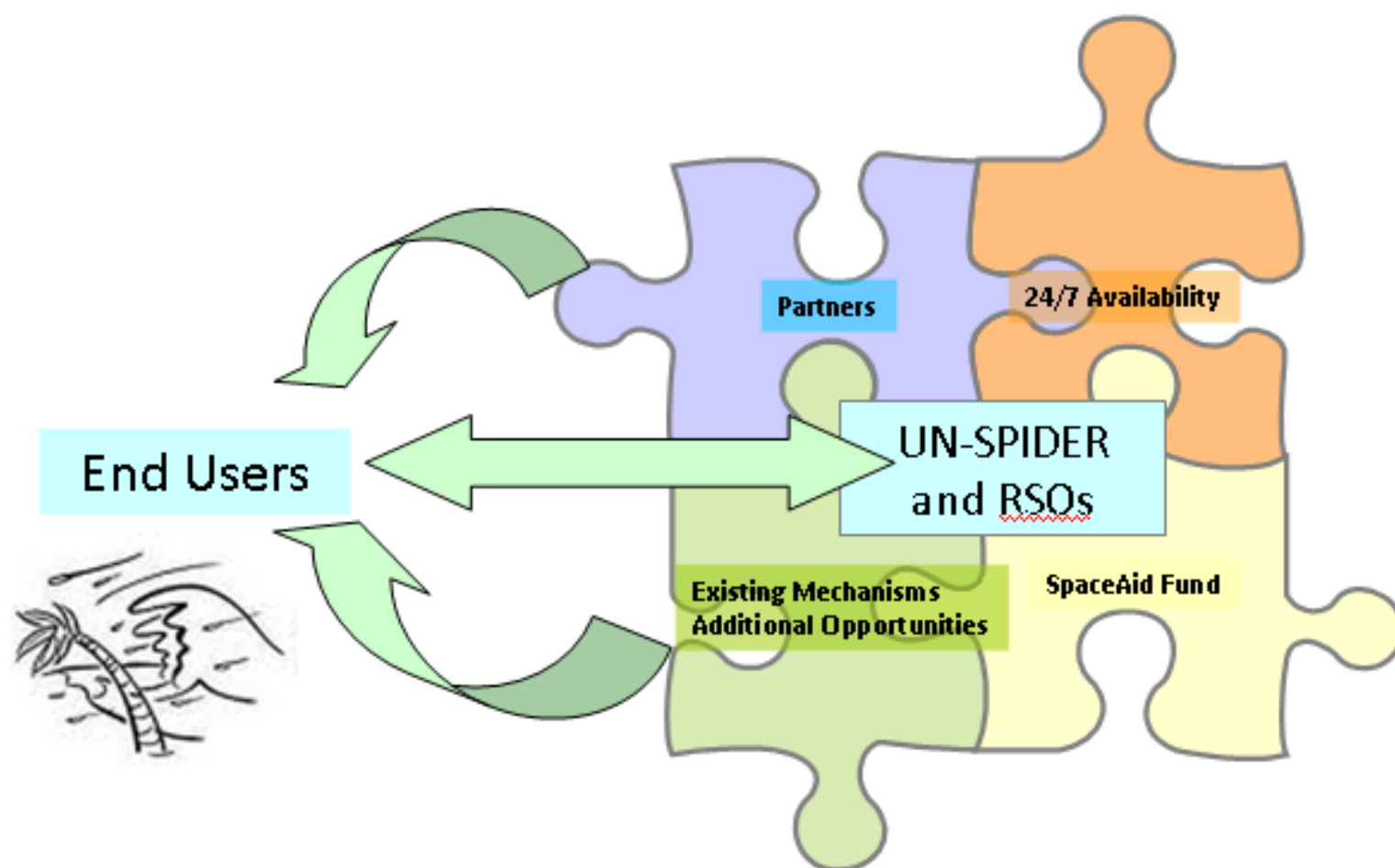


§ **The SpaceAid Framework** – A framework that ensures all countries and international and regional organisations are able to access and use all types of space-based information for humanitarian and emergency response.

- 24/7 Hotline for NFPs and UN (telephone, email or fax)



The SpaceAid Framework





SpaceAid – Events Supported in 2010 (25 until October)

2010

Benin
Burkina Faso
Chile
China
Cook Islands
Gaza oPt
Guatemala
Haiti
Kazakhstan
Kenya
Madagascar

2010 (cont.)

Moldova
Pakistan (3x)
Senegal
Solomon Islands
Sri Lanka
Sudan
Tajikistan
Tonga
Turkey
Uganda
Ukraine (2x)



SpaceAid – Haiti Earthquake 12 January 2010

Haiti's presidential palace after the earthquake. Photo: Pictometry ©



UN Mission HQ in Haiti

Example Haiti: response to earthquake on 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

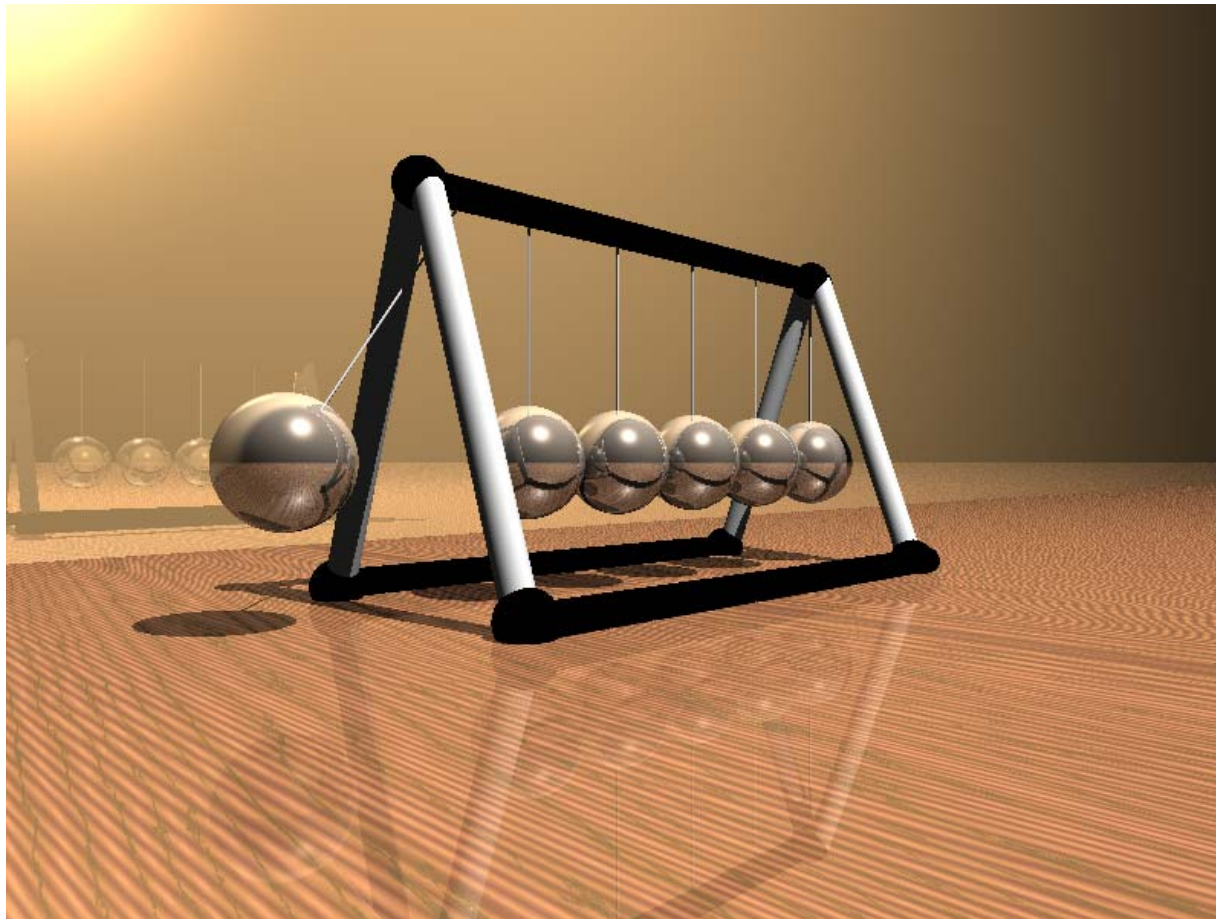


Example Chile: response to earthquake on 27 February 2010

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.



UNITED NATIONS | UNOOSA | UN-SPIDER

United Nations Platform for Space-based Information for
Disaster Management and Emergency Response

Contact Profile

v0.7beta

HOMESPACEAIDADVISORY SUPPORTKNOWLEDGE BASENETWORKABOUT US

Advanced SearchVisual Globe

WHAT IS UN-SPIDER

UN-SPIDER aims at providing **universal access** to all types of space-based information and services relevant to disaster management by being a **gateway** to space information for disaster management support; serving as a **bridge** to connect the disaster management and space communities; and being a **facilitator** of capacity-building and institutional strengthening.

UN-SPIDER Promotional Video



Click again for watching the movie in a new window.

NEWS



DISASTER INFORMATION

Disaster	Region	Date
Floods	Kenya	01/05/2010
Earthquake	Northwest China	14/04/2010
Floods	Kazakhstan	12/03/2010
Floods	Mozambique	09/03/2010
Earthquake	Eastern Turkey	08/03/2010
Landslide	Uganda	01/03/2010

1 of 3 >>

SPACE APPLICATION MATRIX (preview)

UN-SPIDER KNOWLEDGE PORTAL



Using the Space Aid Matrix will allow you to interactively explore the possibilities of integrating space technology within disaster management.

It is a user-friendly and efficient tool for navigating through the Knowledge Portal

SPACEAID: LATEST DISASTERS



- Chile Earthquake
- Haiti Earthquake

VISUAL GLOBE (coming soon)



Enter Visual Globe

CALENDAR

May 2010						
S	M	T	W	T	F	S
25	26	27	28	29	30	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	1	2	3	4	5

next events...



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”**



Technical Advisory Support





*United Nations Platform for Space-based Information for
Disaster Management and Emergency Response*

