



Committee on Earth Observation Satellites

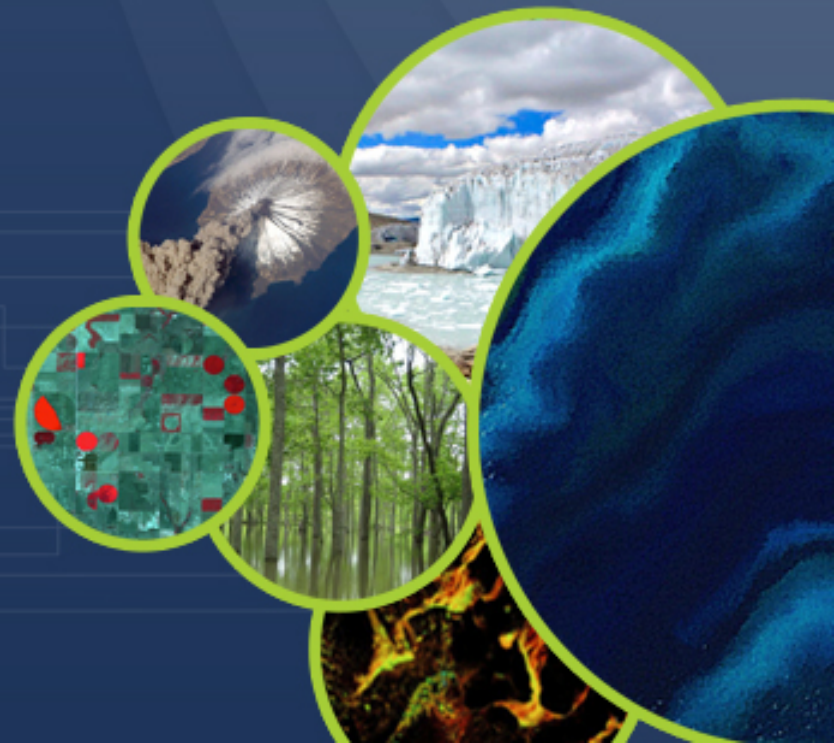
Communicating the success of the pilots

Stéphane Chalifoux, WGD Chair

Andrew Eddy, WGD Secretary

WGD#7, Rome, Italy

March 14-16, 2017





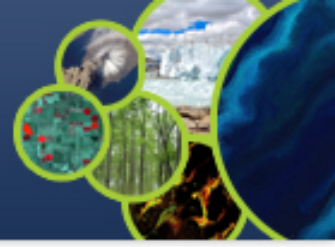
Flood, Seismic Hazards, and Volcano Pilots approved by SIT April 2014 and run to end 2017

Recovery Observatory formally approved by plenary November 2015 and the Recovery Observatory (RO) was triggered on December 22, 2016 to track and support recovery efforts in Haiti in the wake of Hurricane Matthew, to run for 3 to 4 years (2017-2021)

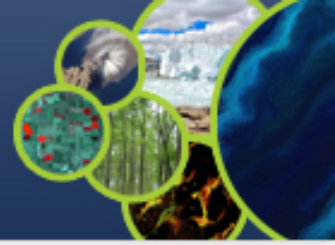
Landslide pilot planning begun 2015; approved at plenary 2016; may run to end 2019.

Some activities may continue, or be linked to new initiatives (e.g. GEO-DARMA), while others will cease.

Vision for sustainability and way forward in development for approval at 2017 Plenary



- **Publication on web site. Each pilot lead to provide ½ page general public summary and then a link to more detailed information.**
- **Current target is 2 web stories a year (could do more).**
- **Publication of articles in specialized scientific journals.**
- **Presentations at international meetings.**
- **Glossy ‘pilot report’ highlighting pilot results to be published in April 2017, as a preparation of the pilot successor strategy for 2017.**
- **Strengthen linkage with international organizations (UN, GEO, WB...)**



Hardcopy, glossy document to be published by ESA by April 2017 for SIT-32

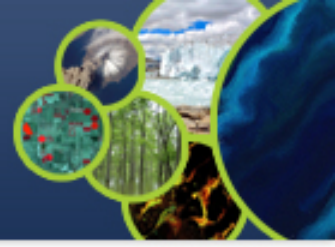
Report will provide overview of DRM objectives, and then focus on success stories from within each thematic area

Report will document how specific initiatives from within each thematic area led to increased end user engagement in satellite-based disaster risk management

Report includes end user testimonials on how satellite use changed their approach to DRM

To be defined:

- **Title - Any suggestions?**
- **Distribution strategy (who and where: physical or digital...)**



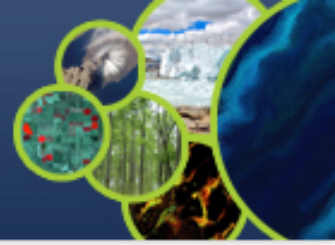
By the end of the summer, review of the Disasters pages

- From a structure perspective
- From a text perspective
- From a contact perspective

Web stories:

- Volcano pilot (March 2017)
- RO (October 2017)

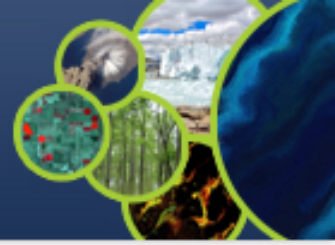




GEO-DARMA began in mid-October, starting with its Concept Phase (Data Access for Risk Management)

First projects are expected to be put forward for approval at the fall CEOS meetings

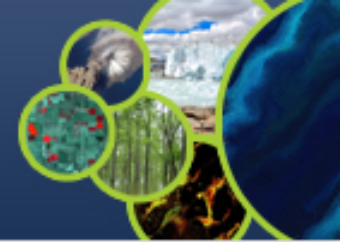




Global Partnership on Space Technology Applications for Disaster Risk Reduction (GP-STAR)

Support the implementation of the **Sendai Framework** for Disaster Risk Reduction 2015-2030

- Fostering the use of Space-based Technologies and Applications and Earth observation in the context of the Sendai Framework
- Providing **advice to governments, organizations**, and projects on the use of space technologies and applications in disaster risk reduction efforts, and the provision of relevant publications
- Partnership shall integrate **international, regional and national organizations** involved in space science and technologies, Earth observation, **disaster risk reduction and civil protection**



Chair: Mexican Space Agency

Co-Chair: Disaster Management Center Government of Sri Lanka

The following Working groups have been established in December 2016

Name of Working Group	Sendai framework component	Members
“Cancun”: Preparation of GP-STAR side event, including brochure, fact sheets and GP-STAR web page, for Global Platform Session Cancun, Mexico 2017	All	GEO, UN-SPIDER, DMC-SL, ISPRS (tbc), IWG-SEM, CEPREDENAC, AEM
Volcanos (tbc)	Priority 1	DLR, CEPREDENAC, CEOS (tbc), GEO POs (tbc), ISPRS (tbc)
Droughts	Priorities 1 and 4, global targets and indicators	DMC-SL, IWMI, UNCCD, WMO, CNE-DR, ESCAP, ZFL UniBONN , ISPRS (tbc), GEO POs (tbc), UNU-EHS
Sand and dust storms	Priorities 1 and 4	UNCCD, WMO (tbc), NDRCC (tbc), SDIM (tbc), ISA –Iran (tbc), UN-SPIDER, ISPRS (tbc)
Tsunami	Global targets and indicators	Tohoku University, MMAF-Indonesia, Sentinel Asia, UN-SPIDER, GEO, ISPRS (tbc)
Flood	Priorities 1 and 4, global targets and indicators	IWMI, IWG-SEM, Sentinel Asia (tbc), DMC-SL, CNE-DR, GEO POs (tbc), CEOS (tbc), EC [DG-JRC, COPERNICUS] , DLR (tbc), WMO, UNCCD

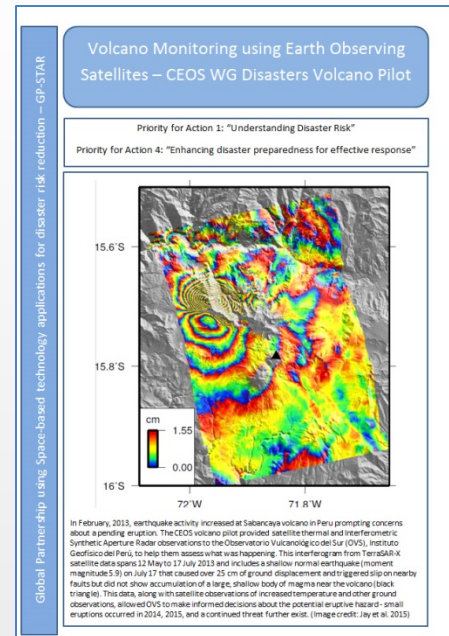


Global Partnership on Space Technology Applications for Disaster Risk Reduction (GP-STAR)

WGDisasters contribution:

- GP-STAR Meetings and Website
- Volcanoes WG (fact sheet)
- Floods WG
- Special events

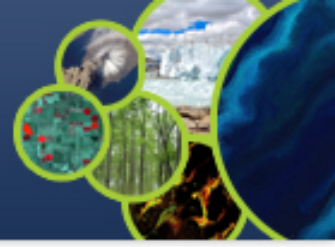
GP-STAR side event at the Global Platform for Disaster Risk Reduction meeting in May 2017, organized by The United Nations Office for Disaster Risk Reduction.





GCI for Disasters - Virtual Session Structure

- Establish a Dialogue between the GCI and the SBA Teams and relative initiatives (SBA = Societal Benefit Area)
- Hear the needs and suggestions from the community in terms of **Data in** the GCI
- Hear the needs and suggestions from the community in terms of **Functionalities** in the GCI
- Assess with the community the need/benefit of establishing a thematic **Community Portal**
- Build applications using GCI data– towards Plenary (Building a GEO Atlas by SBA)



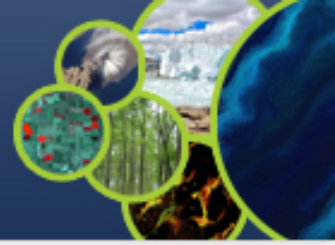
GCI for Disasters - Virtual Session Structure

- **Interesting GEOSS Portal**
- **Could be used for dissemination**
- **Could be used for end-users/partners research**

How to link with GEO-DARMA?

How to link with ongoing/future activities?





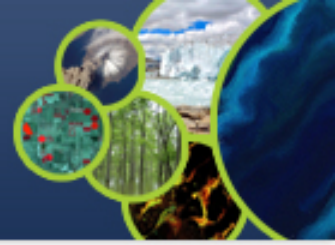
Conferences

- **ISRSE (Tshwane, South Africa, 8-12 May, 2017)**
- **World Reconstruction Conference 3 (Brussels, 6-8 June, 2017)**

Meetings

- **Global Platform (22-26 May, Cancun, Mexico)**
- **GEO-DARMA Steering Committee and Concept Workshop (week of 22 May, Cancun, Mexico)**





Promoting the Charter Universal Access initiative to the countries participating in CEOS pilots

Aiming to provide all the countries in the world with an easy access to the charter and its EO satellite resources in support of major disasters

Allows national disaster management authorities to submit a request

Proper procedures have to be followed, but to activate the Charter the affected country will not have to be a Charter Member

Meet three basic criteria:

- **Be a national disaster management authority or a delegate agency**
- **Have the capacity to download and use maps**
- **Activation request must be in English**

Requested outreach materials and points of contacts (direct link)