

Working Group on Disasters:

Proposed Structure and Organisation

Ivan Petiteville (ESA),
Stéphane Chalifoux (CSA)
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CEOS teams involved in disaster-related activities **no particular order:**

- 1. DRM team incl. 3 Thematic Teams (floods, seismic risks, volcanoes) + Recovery Observatory Oversight Team + 2015 WCDRR Task Team**
- 2. Supersites Coordination Team**
- 3. Disaster SBA Team (support to GEO Disaster activities. Includes coordination of GEO-related activities of other teams)**
- 4. WGISS GA4D team (WGISS Architecture for Disaster)**
- 5. Disaster Study Group (temporary mandate to reorganize CEOS Disaster activities)**
- 6. CEOS WGs, VCs, SEO with disaster-related activity: e.g. WGCapD for Capacity Building activities, ACC for Volcanic Ash Monitoring, ..**



Issue: overlap and confusion between teams conflicting requests for EO data → inefficient use of resources and potential conflicts

Many CEOS Members Staff and many Experts from non-CEOS Partner Organizations involved :

- Dozens of people from multiple organisations involved e.g. 60 in CEOS DRM alone.
- Mixed profiles:
 - ***Experts in specific types of hazards*** (e.g. floods, volcanoes, ...)
 - ***Specialists supporting multi-hazard disaster activities***



Some teams are very focused on specific types of hazards
(“vertical activities”):

- Pilots Teams on Floods, Seismic Risks and Volcanoes, and
- Activities outside pilots such as Volcanic Ash Monitoring (ACC)

Other teams work on cross-hazards disaster-related
activities (“horizontal activities”):

- Recovery Observatory Oversight Team; 2015 WCDRR Task Team; Supersites Coordination Team; Disaster SBA Team; WGISS GA4D Team; SEO Team; WGCapD



FLOODS
Thematic Team

**SEISMIC
RISKS**
Thematic Team

VOLCANOES
Thematic Team

Recovery Observatory Oversight Team

2015 WCDRR – HFA2 Team

Supersites Coordination Team

Disaster SBA Team

WGISS GA4D Team

SEO

WGCapD



Structure of WGDisasters shall:

1. Set jointly agreed objectives (incl. calendar & milestones) for the WG, objectives in line with CEOS Strategy & CEOS Work Plan.
2. Accommodate the “vertical” and “horizontal” nature of various activities, and facilitate coordination across these elements.
3. Allow future growth of activities (e.g. new type of hazard).
4. Take into account the differences in expertise associated with various types of hazards.
5. Reflect the level of effort that agencies can realistically invest
6. Maximize the quality of work produced.
7. Ensure adequate communication between WG members.



Structure of WGDisasters shall (cont'):

8. Properly promote CEOS outcomes & successes
9. Properly interface with the User Community incl. major stakeholders
10. Properly interface with the GEO Disaster Community and tie in to other related GEO activities

Not all ongoing CEOS disaster activities should be transferred to WGDisasters

- No transfer of activity whenever it better fits with expertise of other CEOS Teams (e.g. Capacity Building / Training (WGCapD), Gap Analysis (SEO), Volcanic Ash Monitoring (ACC Virtual Const.), G4D (WGISS))
- Close cooperation and sharing of information with CEOS teams



Ensure close cooperation with User Community and Foster the use of EO data in support of DRM by:

1. Increasing awareness of the benefits of EO data use by the DRM community, in particular through pilot demonstrators
2. Encouraging and enabling relevant EO scientific research and application development.
3. Promoting CEOS disaster activities as well as major disaster-related activities from space agencies, executed outside CEOS framework, such as Sentinel Asia, International Disaster Charter, SERVIR, ...



4. Establishing a close dialogue with UN agencies and other DRM stakeholders to ensure:
 - A successful participation in 2015 WCDRR and later HFA2 implementation. Includes close cooperation with the Japanese government (host) and with influential national representations.
 - A proper positioning of EO data from space in 2015-2025 post-Hyogo Framework for Action (HFA2) and

5. Liaising with the major stakeholders and other representatives of the user community involved in disaster risk management to better understand and assess their needs and priorities, taking into account the resources available in the CEOS agencies.

6. Assessing prioritized needs of User Community involved in all DRM phases from data providers to final end-users, in close cooperation with major stakeholders such as UN ISDR, Donor Institutions (e.g. World Bank, regional development banks), ..



7. Ensuring the coherency and improving the coordination of disaster-related activities undertaken by the CEOS Agencies

8. Facilitating EO data access for DRM-related activities.

9. Assessing the long-term sustainability of the timely provision of both:
 - Good quality EO data by space agencies and
 - Adequate Value added information (derived from EO data) by value-added companies.

Includes identification of potential donors.



- **Proposed structure** (slide 16) **ensures a smooth transition from previous situation** (slides 2 to 5), **addresses the constraints identified** (slides 6 to 7) **and shall serve the WG's goals & objectives** (slides 9 to 11)
- **All CEOS Agencies involved in disaster activities, have worked together since 2013 CEOS Plenary to agree on proposed structure.**
- **Overview of structure presented to several CEOS SEC telecons and discussed in detail with CEOS SIT Chair**
 - **Proposal amended to take into account suggestions from CEOS SIT Chair** (27 Jan. 2014)



Title	Role held by
WG Chair	I.Petiteville (ESA) with Secretarial support (A.Eddy)
WG Vice-Chair	S.Chalifoux (CSA)
Liaison to GEO Disaster SBA	F.Lindsay (NASA). Outgoing GEO Disaster Task Coordinator
Liaison to User Communities	One or two persons. Still to be identified
“Vertical” Thematic Teams	<i>See next slide # 14</i>
“Horizontal” Cross-Hazard Teams	<i>See next slide # 15</i>
WG Experts	Several experts that do not belong to any specific team.



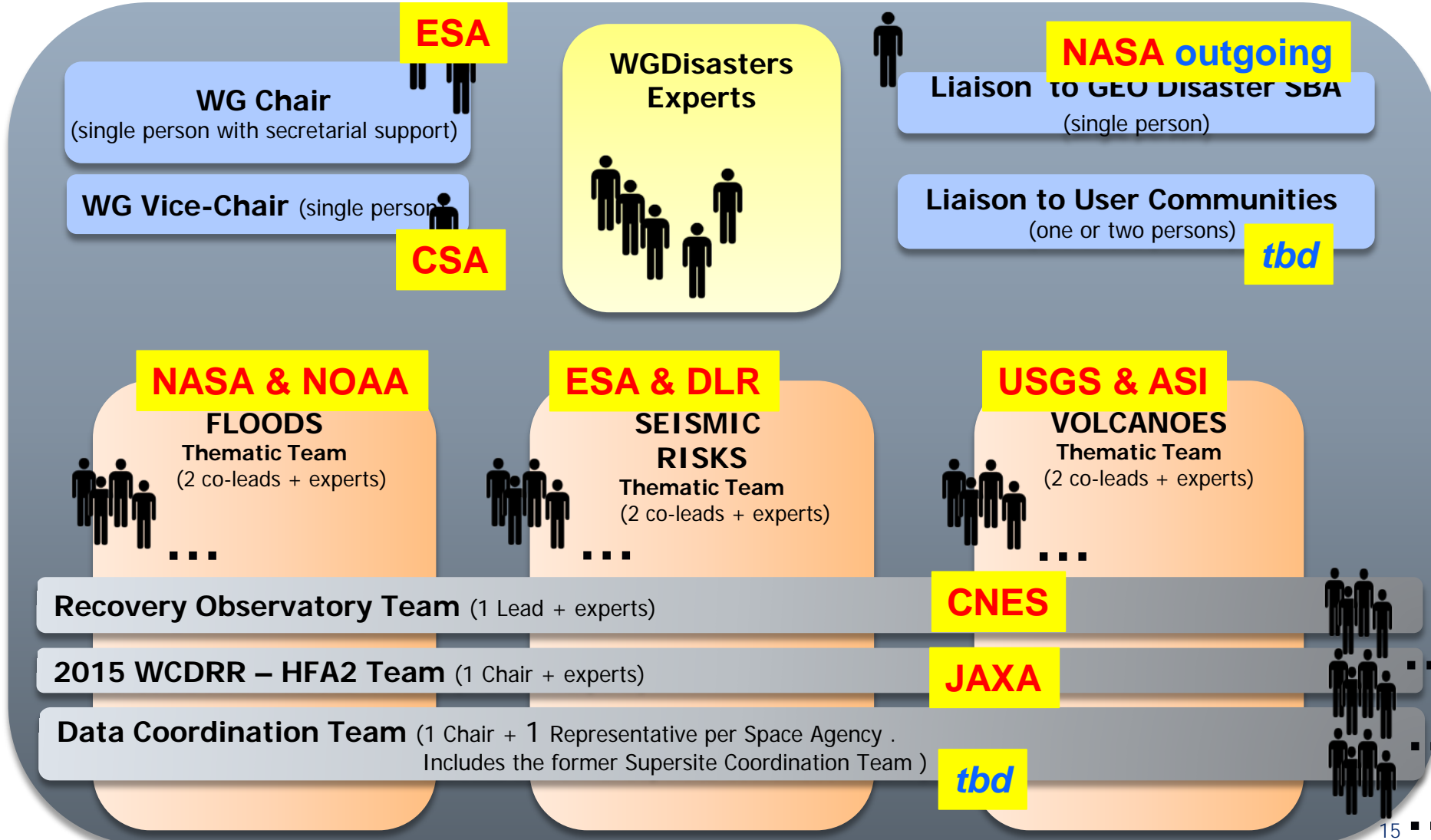
Title	Team Members
Floods Team	S.Frye (NASA) and B. Kuligowski (NOAA) as co-Leads + Experts (CEOS and non-CEOS)
Seismic Hazards Team	P.Bally (ESA) and J.Hoffmann (DLR) as co-Leads + Experts (CEOS and non-CEOS)
Volcanoes Team	M.Poland (USGS) and S.Zoffoli (ASI) as co-Leads + Experts (CEOS and non-CEOS)

“Vertical” Thematic Teams



Title	Function	Team Members
Recovery Observatory Oversight Team	Define and implement the concept of Recovery Observatory (RO). <i>Note: no automatic engagement from Agencies involved, to provide data when 1st RO will be triggered.</i>	S.Hosford (CNES) as Lead + Experts (CEOS and non-CEOS)
WTT Team – (2015 WCDRR – HFA2 Team)	Define and implement the strategy to optimize the participation of CEOS in 2015 WCDRR (Japan, March 2015) and to position satellite EO in HFA2	C.Ishida (JAXA) as Chair + Experts (CEOS and non-CEOS)
Data Coordination Team	Coordinate the response of space agencies to requirements from Thematic Teams and RO Team. Includes the responsibilities of former Supersite Coordination Team)	Chair (<i>not identified yet</i>) + 1 Representative per Space Agency (<i>see slide 17</i>)

“Horizontal” Cross-Hazard Teams





As per 26 March 2014

AGENCY	REPRESENTATIVE
ASI	Simona Zoffoli
CNES	Steven Hosford
CSA	Christine Giguère
DLR	Jens Danzeglocke , Jörn Hoffmann
ESA	Ivan Petiteville
JAXA	Chu Ishida
NASA	Stu Frye , Frank Lindsay
NOAA	Bob Kuligowski
USGS	Brenda Jones



- 1. Data Coordination Team and Supersites Coordination Team are merged. New Chair sought.**
 - J.Hoffmann (DLR) cannot lead the team
- 2. Liaison to GEO Disaster SBA. New Liaison sought.**
 - F.Lindsay (NASA) is stepping down.
- 3. Liaison to User Communities:** WGDisasters plans outreach to disaster stakeholders (one or two non-CEOS persons to be identified)
- 4. Current WG Terms of Reference to be extended to teams**



- **CEOS Principals are asked to endorse the structure proposed for the new CEOS Working Group on Disasters (WGDisasters)**



THANK YOU