**CEOS WG Disasters Telcon #32 MoM**

Zoom Remote Teleconference

2 February 2023

13:00 – 14:30 UTC *All agenda times observe Coordinated Universal Time (UTC)*

For status of all actions, see Excel file action tracker.

Participants: Pukar Amatya (NASA), Dave Borges (NASA), Emilie Bronner (CNES), Helene de Boissezon (CNES), Julio Castillo (AEM), Mark de Jong (NRCan), Denis Dufour (CSA), Andrew Eddy (AG Europe for CNES), Zach Foltz (ARGANS for ESA), Laura Frulla (CONAE), Attilio Gambardella (Copernicus EMS), Thanassis Ganas (NOA), Adrian Guzman (AEM), Dave Hodgson (UKSA), Rui Kotani (GEO Sec), Jean-Philippe Malet (EOST), Ana Medico (CONAE), Shanna McClain (NASA), Colin McFayden, Antonio Montuori (ASI), Ricardo Quirogas (NASA), Isabella Reed, Stefano Salvi (INGV), Guy Schumann (RSS), Deodato Tapete (ASI), Marcelo Quirno Uribu (CONAE), J-P Vernier (NASA), Weiyuan Yao (CAS), Oskar Zdunek (PSA).

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| **Time** | **Agenda Item** | **Presenter(s)** |
| 13:00 | Adoption of Agenda / Introduction/Welcoming remarks | Hélène de Boissezon, CNES |
|  | Helene welcomed participants and indicated the coming year would be a significant one for the WG, with several pilots and demonstrators in key phases of transition. |  |
| 13:05 | Meeting logistics/Review of Open Actions (WGDisasters-18) | Andrew Eddy, Athena Global |
|  | For actions status see excel spreadsheet of Apr 12 |  |
| 13:20 | Report on Plenary  Review of Open WGD actions as of Plenary (including report on demonstrator sustainability) | Hélène de Boissezon  Marie-Claire Greening  Andrew Eddy |
|  | In the discussion on Plenary, the work of WG Climate on use cases was mentioned. This work will be discussed offline with the WG leads to identify possible synergies between the WGs. Early Warning Systems were also brought up, but there is no dedicated EWS activity right now in the WG. Local adaptation remains a key concern. The WG will consider new projects dealing with local adaptation at WG Disasters 19. The EO Risk Tool kit developed by GEO has been very well received. The WG should consider adding landslides to their use cases. The WG is cooperating with GEO on the Post 2025 incubators activity, and is playing an active role in the CEOS New Space Task Team. |  |
| 13:30 | Volcano Demonstrator   * Activity Progress / Updates | Andrew Eddy |
|  | No change |  |
| 13:35 | Wildfire Pilot   * Activity Progress / Updates | Joshua Johnston, NRCan  Mark de Jong, NRCan |
|  | Mark de Jong presented on Objective 1. Evaluation of the CEOS MIM database has been completed. These data are now being used to develop a range of scenarios for satellite orbit modelling using STK. CMIP6 GCM based fire weather scenarios are under ongoing development. Colin McFayden presented on Objective 2 and the framework for a three-tiered approach to understanding current and future user capacity and uptake 1) survey of operational fire management agencies and groups to be distributed by GOFC-GOLD regional networks, 2) analysis of active fire product usage through popular platforms such as NASA FIRMS, GWIS and EFFIS, 3) Bibliometric analysis of academic studies to geographically assess levels of ‘scientific expertise’ - active fire. These analyses should allow us to model capacity and uptake at a continent or ideally a country level and be useful to determine gaps and strategies to close the gaps. Target is for data collection to be completed in April 2023, however this is dependent on external factors. |  |
| 13:45 | Flood Pilot   * Activity Progress / Updates | Marcelo Uriburu Quirno, CONAE  Mitch Goldberg, NOAA  Guy Schumann, RSS-Hydro |
|  | The pilot has 6 sub groups, all active. A separate presentation was furnished by Raquel Suquet on FloodDAM.  At the end of the FloodDAM-DT demonstration, planned after 18 months (beginning 2024), a showcase will be presented with all processing blocks chaining and its multi-scale aspect over the Garonne River (France) and a USA selected River catchments. A complete scenario based on either a past event or a recent event occurred during the project. This demonstration comprises access to in-situ and satellite/drone data, flood extent mapping, flood evolution representation from modeling and data assimilation, and production of the associated flood risk impact map.    In the framework of IDEAS-FloodDAM Digital Twin, it is planned a first demonstration in June 2023 between IDEAS NASA services and FloodDAM and a final demonstration in November-December 2023.    It is also planned a JPL-CNES meeting at Pasadena hold on 2 days at the same time of IGARSS workshop.  The Flood pilot was working with WGISS on EAIL but the future of this is unclear given changes within WGISS. |  |
| 14:50 | GEO Geohazard Supersites & Natural Labo. (GSNL)   * Activity Progress / Updates | Stefano Salvi, INGV |
|  | Science results will be presented at WG Disasters 19.  Hawaii approval of renewal still outstanding.  Guatemala proposal expected in final version soon. Discussions on who is to lead.  Virunga and Ecuador are collaborating with GEO to showcase their results. |  |
| 14:55 | GEO-DARMA   * Activity Progress / Updates | Ricardo Quirogas, NASA |
|  | The flagship initiative is not continuing. Ivan Petiteville is retiring and there are no identified leads to continue. |  |
| 14:00 | Recovery Observatory Demonstrator   * Activity Progress / Updates | Linda Tomasini, CNES  Emilie Bronner, CNES  Andrew Eddy, Athena Global |
|  | Pakistan RO activity continuing. An agriculture assessment will be performed by June.  Main focus of coming months is cost-benefit, as well as communicating success, awareness development within DRM community and sustainability.  Work continues to build partnerships for next phase: International Charter, Copernicus EMS, UNOSAT, GDA, UN-SPIDER |  |
| 14:10 | Landslide Demonstrator   * Activity Progress / Updates | Jean- Philippe Malet, UNISTRA  Pukar Amatya, NASA |
|  | Significant work going into a paper to be published on the Haiti work.  Work continuing on sustainability. Discussions with AXA. There will likely be two paths forward – one based on science, the other on services. |  |
| 14:15 | Data Coordination Team (DCT)   * Updates | Laura Frulla, CNES |
|  | Reports approved, and new quotas allotted. Hawaii will also be renewed. Enceladeus is also approved. |  |
| 14:20 | Future Meeting Planning / AOB   * WGD-19, 18-20 (21) April, Cordoba, Argentina * WGD-20, 5-7 (8-9) September, Yellowstone, USA * AOB | Ana Medico, CONAE  Andrew Eddy, Athena Global |
| 14:30 | End Teleconference |  |