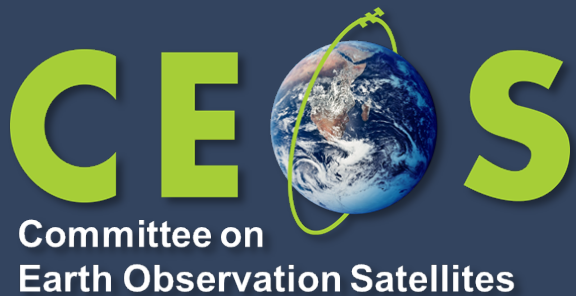


CEOS Work Plan and Cross-cutting Issues



Marie-Claire Greening, CEOS Executive Officer

Agenda item 4

Cordoba, Argentina (CONAE)

18-20 April 2023

Mission: CEOS ensures international coordination of civil space-based Earth observation programs and promotes exchange of data to optimize societal benefit and inform decision making for securing a prosperous and sustainable future for humankind.

Primary Objectives:

- ❖ To optimise the benefits of space-based Earth observation
- ❖ To serve as the focal point for international coordination of space-based Earth observation activities
- ❖ To encourage complementarity and compatibility



CEOS Long-term Priorities



- ❖ Ensure that climate observation requirements identified by the Global Climate Observing System (GCOS) – and implications of the Paris Climate Agreement – are addressed.



- ❖ Ensure, in the context of the Sendai Framework for Disaster Risk Reduction 2015-2030, that CEOS Agency data are made available in support of disaster risk reduction and that CEOS continues engagement with UN agencies and authorities.



- ❖ Ensure that space-based Earth observations support the success of the next decade of the Group on Earth Observations (GEO), and that CEOS engagement in GEO governance and leadership is enhanced.



- ❖ Proactively engage in global discussions on the critical challenges that face society, in support of the UN 2030 Agenda for Sustainable Development.

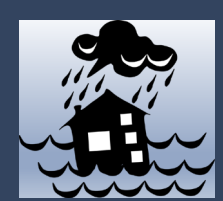


1

Supporting CEOS Preparations and Inputs to the Global Stocktake of the UNFCCC Paris Agreement

2

Supporting Exploration of New Geometries for Space Agencies and CEOS with New Space



WGDisasters Mission & Objectives



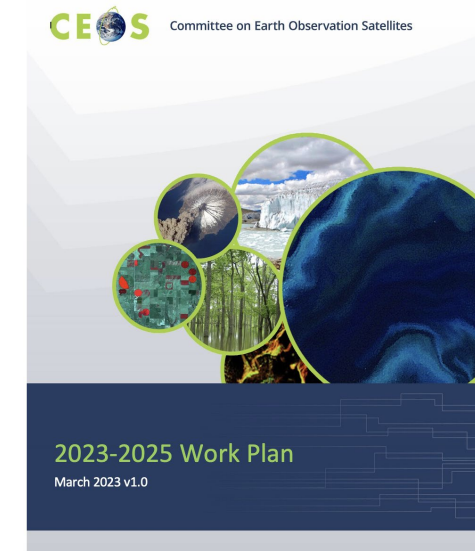
Mission: The CEOS WGDisasters ensures the sustained coordination of disaster-related activities undertaken by the CEOS Agencies and acts as an interface between CEOS and the community of stakeholders and users involved in risk management and disaster reduction.

Objectives:

- ❖ Support the efforts of Disaster Risk Management authorities in protecting lives and safeguarding property by means of satellite-based EO and science-based analyses.
- ❖ Foster increased use of EO in support of Disaster Risk Management.
- ❖ Support the implementation of the UNDRR Sendai Framework for Disaster Risk Reduction, and in particular contribute to its Priority One, “Understanding Risk”.
- ❖ Raise the awareness of politicians, decision-makers, and major stakeholders of the benefits of using satellite EO in all phases of Disaster Risk Management.



- ❖ Four key governing documents primarily guide the work of CEOS:
 1. [CEOS Terms of Reference](#) defines the mission and scope of CEOS activities
 2. [CEOS Strategic Guidance document](#) articulates the overarching long-term (7-10 years) purpose and goals of CEOS
 3. [CEOS Governance and Processes](#) document provides guidelines on the structure, operations, and processes CEOS employs to achieve its goals
 4. [CEOS Work Plan](#) (3-year rolling) sets forth near-term actions to achieve the goals outlined in the CEOS Strategic Guidance document. Detailed work defined as *deliverables*: outlined in the WP, reconciled and tracked in [CEOS deliverable tracking tool](#)





2023 – 2025 CEOS Work Plan



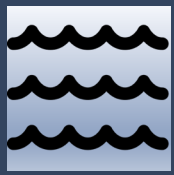
Chapter in Work Plan	Responsible
1 Climate Monitoring, Research, and Services	WGClimate
2 Carbon Observations in Support of Climate Science and Policy	GHG Task Team, GFOI, AFOLU
3 Observations in Support of the Global Stocktake of the UNFCCC	UNFCCC
4 Observations for Agriculture	GEOGLAM, AFOLU
5 Observations for Disasters	WGDisasters
6 Observations for Water	GEO AquaWatch
7 Data Quality	WGCV
8 Capacity Building and Data Democracy	WGCapD
9 Data Discovery, Access, Preservation, Usability and Exploitation: approaches, systems, tools and technologies	WGISS
10 Advancement of the CEOS Virtual Constellations	VCs, ARD Oversight Group
11 Support to Other Key Stakeholder Initiatives	SDG Coordination Group, NSTT, EETT, COVERAGE, COAST AHT, UN SDGs, GEOBON, GEO Blue Planet, MBON
12 CEOS Services	



CEOS New Space Task Team



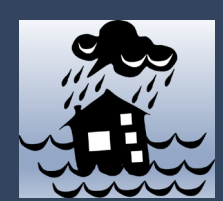
- ❖ CEOS New Space Task Team established for one-year
- ❖ **Aim:** Explore collaboration opportunities in New Space that bring mutual benefit to all parties, in delivering public benefit, including the identification of concrete actions
- ❖ Develop a series of objectives and activities that will guide CEOS in fostering the combined use of public and private EO New Space capabilities, both upstream and downstream
- ❖ By 2023 Plenary: **Issue a White Paper with Findings & Recommendations.** The White Paper will highlight which topics are most productive for CEOS to pursue and which may be out of scope or problematic.



- ❖ **Aim:** Come up with a series of recommendations to the 2023 CEOS Plenary on the coordination of CEOS ocean-related activities, including activities in support of the UN Decade of Ocean Science for Sustainable development (2021-2030) and GST1 (2023 UNFCCC Global Stocktake).

- ❖ Current plans are to work on two possible options for the future coordination of ocean and coastal waters:
 1. Establish 2-year Aqua - Ocean/Coast Ad Hoc Team (AHT)

 2. Establish a dedicated Oceans/Coast Subject Matter Expert function under the SIT Chair Team

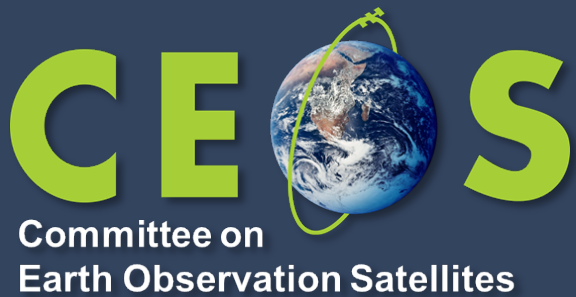


WGDisasters Deliverables



Number	Objective/Deliverable Title	Projected Completion	Responsible CEOS Entity(ies)
DIS-15-04	Implementation of data coordination for the GEO GSNL initiative	2030 Q4	WGDisasters
DIS-18-01	Report on follow-on actions to Landslide Pilot	2022 Q1	WGDisasters
DIS-19-03	Seismic Demonstrator and Report	2022 Q2	WGDisasters
DIS-20-01	CEOS Contribution to GEO GSNL Initiative for DRR	2024 Q4	WGDisasters WGCapD WGISS
DIS-20-02	GNSL evolution feasibility study	2024 Q4	WGDisasters
DIS-20-03	CEOS Support for GEODARMA (Data Access for Risk Management) Regional Implementation	2022 Q4	WGDisasters
DIS-20-04	Landslide demonstrator showing value of combining optical and radar data for multi and cascading hazard disaster risk prediction and assessment products (maps and models in areas of high known risk due to activity, <u>exposure</u> and vulnerability), with report on effective practices, key data and practices	2024 Q4	WGDisasters
DIS-20-05	RO Demonstrator Proposal (3 to 5 PDNA over two years)	2023 Q4	WGDisasters
DIS-20-06	Flood Pilot with GEO-LEO-SAR for areas of intensive flood risk	2022 Q1	WGDisasters
DIS-22-01	Flood Pilot with GEO-LEO-SAR "Understanding Flood Risk from Space"	2024 Q4	WGDisasters
DIS-22-02	Volcano Demonstrator Sustainability Report	2023 Q4	WGDisasters
DIS-22-03	Use cases for the Operationalization of EO at the local level	2023 Q3	WGDisasters
DIS-22-04	Wildfire Pilot Final Report	2024 Q4	WGDisasters

Thank you!



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