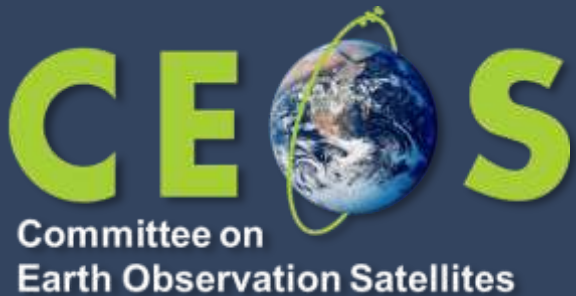


Committee on Earth Observation Satellites

*Viewing Earth
Serving Society*



CEO Update

Steven Ramage, WGDisasters

San Carlos de Bariloche, September 2025

CEOS Organisational Structure

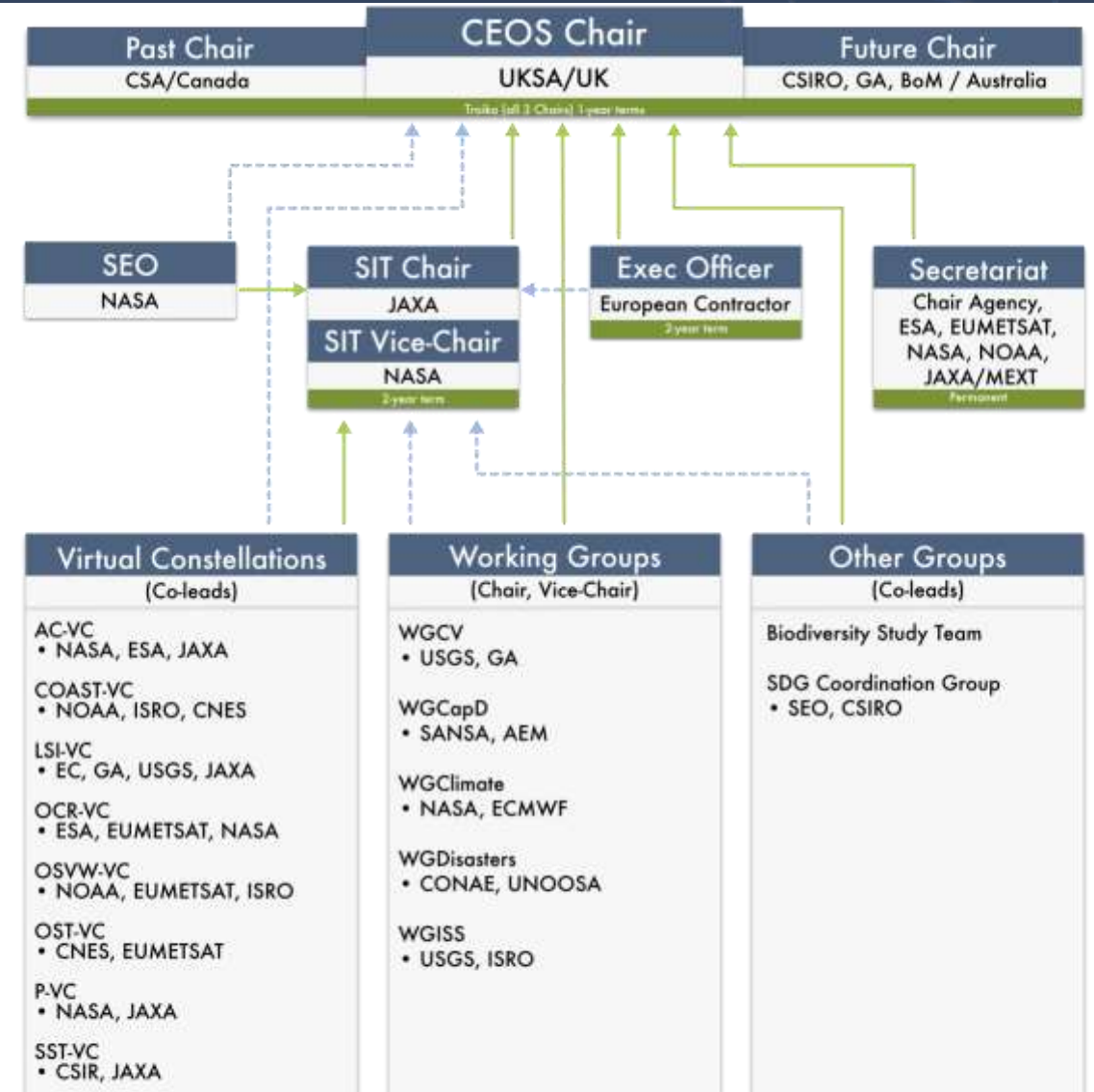


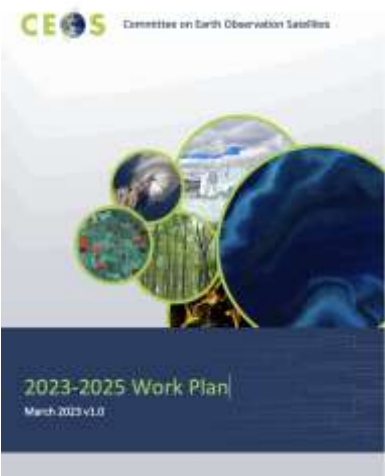
This organogram depicts the CEOS organisational structure, including the reporting paths.

SEO is the Systems Engineering Office, and the SIT is the Strategic Implementation Team. The CEOS Executive Officer is the CEO. European contractor is Réseau Consulting supported by Evenflow (incoming CEO team).

Numerous positions will change after the Plenary process of approvals in November 2025.

<https://ceos.org/ourwork/>





3-year plan re-evaluated and updated annually by all CEOS entities and presented for formal endorsement in Q1 of each calendar year.

CEOS undertakes rigorous work planning, monitoring and implementation of its activities, all of which ensure CEOS internal accountability and external credibility.

The Work Plan informs the spectrum of deliverables that CEOS membership agree to undertake.

CEOS deliverables are reconciled and tracked with a dedicated CEOS deliverable tracking tool. The CEOS 2024-2026 Work Plan defines more than 120 deliverables.

ID	Name	Status	Due Date	Description
CEOS-2024-001	Develop a common framework for data interoperability across all CEOS data sets	In Progress	2024-03-31	Develop a common framework for data interoperability across all CEOS data sets
CEOS-2024-002	Develop a common framework for data interoperability across all CEOS data sets	In Progress	2024-03-31	Develop a common framework for data interoperability across all CEOS data sets
CEOS-2024-003	Develop a common framework for data interoperability across all CEOS data sets	In Progress	2024-03-31	Develop a common framework for data interoperability across all CEOS data sets
CEOS-2024-004	Develop a common framework for data interoperability across all CEOS data sets	In Progress	2024-03-31	Develop a common framework for data interoperability across all CEOS data sets
CEOS-2024-005	Develop a common framework for data interoperability across all CEOS data sets	In Progress	2024-03-31	Develop a common framework for data interoperability across all CEOS data sets
CEOS-2024-006	Develop a common framework for data interoperability across all CEOS data sets	In Progress	2024-03-31	Develop a common framework for data interoperability across all CEOS data sets
CEOS-2024-007	Develop a common framework for data interoperability across all CEOS data sets	In Progress	2024-03-31	Develop a common framework for data interoperability across all CEOS data sets
CEOS-2024-008	Develop a common framework for data interoperability across all CEOS data sets	In Progress	2024-03-31	Develop a common framework for data interoperability across all CEOS data sets
CEOS-2024-009	Develop a common framework for data interoperability across all CEOS data sets	In Progress	2024-03-31	Develop a common framework for data interoperability across all CEOS data sets
CEOS-2024-010	Develop a common framework for data interoperability across all CEOS data sets	In Progress	2024-03-31	Develop a common framework for data interoperability across all CEOS data sets

<http://deliverables.ceos.org/>

CEOS Work Plan: Expected Outcomes



The CEOS Work Plan's Expected Outcomes reflect ongoing and emerging priorities as characterised by internal decision making & external commitments (focusing on improved EO systems coordination and enhanced data access for key global programmes and initiatives) in the following areas:

- CEOS and the 'New Space' agenda
- Climate Monitoring, Research, and Services
- Carbon Observations in Support of Climate Science and Policy
- Observations in Support of the Global Stocktake of the UNFCCC
- Data Discovery, Access, Preservation, Quality, Usability & Exploitation
- Capacity Building and Data Democracy
- **Observations for Disasters**
- Observations for Water and Oceans
- Observations for Land
- Observations in Support of the United Nations Sustainable Development Goals
- Advancement of the CEOS Virtual Constellations

CEOS Work Plan: WGDisasters



Number	Title	Status	Creation year	Completion date	Description
DIS-15-04	Implementation of data coordination for the GEO GSNL initiative	open	2015	31.12.2030	Status report on GSNL GEO Initiative with particular focus on the contribution of the CEOS data, data use and integration, contributions to research and geohazard assessments per original GSNL plan. Recommendation: Close this action in Q4 and create NEXT phase task
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, exposure and vulnerability);with report on effective practices; key data and practices	open	2021	31.12.2025	The proposed landslide demonstrator will have three complementary components. The first will be to use satellite products, particularly SAR and optical data to monitor landslides or areas of deformation along key transportation corridors. Three proposed regions for this effort will be Canada, Europe and China. The second activity involves interactions with the World Bank and ESA to implement landslide modelling systems that connect remote sensing and model platforms to characterize landslides over identified areas of interest to the stakeholders. The third activity will involve advancing the collection, curation, methodologies and sharing of landslide inventories compiled primarily from remote sensing sources (SAR and optical). The outcomes of these three complementary activities will serve to advance critical needs within the landslide community and demonstrate the operational and research benefit of satellite products.
DIS-24-04	Data provision to the GEO GSNL initiative	open	2024	31.12.2030	A number of CEOS agencies contribute EO data to the GSNL Supersites. This deliverable consists in the DCT evaluation of the periodic image requests and in the provision of satellite data to the Supersite coordinating institutes and to the data hosting platforms
DIS-24-05	GEO-GSNL contribution to the WGDisasters	open	2024	31.12.2030	The GSNL Supersites deliver biennial reports on their developments towards Open Science and on the EO data use for DRM. This deliverable consists of the biennial reports from the Supersites and of the assessments of the reports by the contributing Agencies
DIS-24-01	G-VEWERS	open	2024	30.12.2030	Permanent Volcano Observatory from Space

CEOS Work Plan: WGDisasters



Number	Title	Status	Creation year	Completion date	Description
DIS-24-02	Pre-operational RO	open	2024	30.12.2026	Transition to permanent Recovery Observatory
DIS-24-03	Tonga Preparedness Pilot	open	2024	31.12.2025	Showcase of EO-based preparedness in Tonga
DIS-20-01	CEOS Contribution to GEO GSNL Initiative for DRR	open	2020	31.12.2024	Periodic reports from the GEO-GSNL Supersites and initiative;with particular focus on the use and contribution of the CEOS data and other observation data (e.g. insitu and impact data);specifying data use for current and future satellite missions;integration and information platforms;contributions to research and geohazard assessments documented in the yearly updated GSNL implementation plan. Description of partnerships and data sharing best practices. Includes activities to align with disaster risk reduction targets (e.g. Sendai). Includes plans for existing Supersites and definition of new sites as appropriate. Elaboration of a new TOR or Charter updated for the GSNL
DIS-22-01	Flood Pilot with GEO-LEO-SAR Understanding Flood Risk from Space•	open	2022	31.12.2024	CEOS WGD Flood Pilot activity merging LEO/GEO/SAR observations. Final Report: "Understanding Flood Risk from Space".
DIS-22-04	Wild Fire Pilot Final Report	open	2022	31.12.2025	Final report fo the WG Disasters Wildfire pilot
DIS-20-02	GSNL evolution feasibility study	open	2020	31.12.2024	Feasibility study to assess the possibility to increase impact of the GEO-GSNL initiative through the involvement of risk-oriented communities and DRM stakeholders (public and private). It will contain an initial review of the first 10 years of the initiative obtained through literature review and interviews and an analysis of the added benefits and pros/cons of the new approach obtained mainly through discussions in workshops and conferences. Includes a cost/benefits analysis of the GEO GSNL Initiative. including but not limited to its Open Science approach, measurable improvements to practical research results, tangible support to improved geohazard assessment and impact to research, application development for decision making and potential for disaster risk reduction and resilience actions.



P34 of the [Draft CEOS Global Stocktake Strategy 2025 v0.1](#) [Recommendations are not numbered in the document]

1. Recommendation: CEOS should showcase adaptation use cases that employ EO data. Establish a repository of successful examples where EO has been applied to support adaptation actions across various sectors (e.g., agriculture, urban planning, disaster risk reduction, ecosystem management).

These case studies, potentially drawn from agency-led projects, would demonstrate the value and feasibility of using EO for adaptation and encourage wider adoption.

Lead: CEOS Agencies through WGClimate, SEO & SIT Team support for website, WGDisasters, individual CEOS Agencies. **Support:** CEOS SEO, CNES

2. Recommendation: CEOS should work with WMO, CGMS and other partners to refine space-based observations, derived products and delivery systems to reduce vulnerability to emerging climate threats. Increased support for UN initiatives, such as the UN's Early Warning for All (EW4All), should be explored.

Lead: CEOS-CGMS WGClimate **Support:** WGDisasters, WGCapD, WMO

3. Recommendation: CEOS should reinforce its partnership with EOTEC DevNet and engage in the CAWG, to develop and deliver capacity building activities to support the adaptation goals of the Global Stocktake

Lead: WGCapD **Support:** WGClimate, WGDisasters, LSI-VC

CEOS Membership



The Committee on Earth Observation Satellites (CEOS) was established in 1984 under aegis of the G7 Economic Summit of Industrial Nations Working Group on Growth, Technology, and Employment

CEOS comprises

- 34 Members
(*Space Agencies*) and
- 30 Associates
(*UN Agencies, Phase A programmes or supporting ground facility programmes*)

All of whom contribute to CEOS on a 'best efforts' and voluntary basis.

African Space Agency, Hellenic Space Agency and Philippine Space Agency currently applying for membership.



- ❖ Team Australia - *“three for the price of one”*
 - CSIRO - Chair Team Lead, CEOS Chair: Dr Alex Held
 - With Geoscience Australia and the Bureau of Meteorology
- ❖ Chair Term focused on ensuring delivery of current activities while also enabling Principal-level strategic discussion on key topics
 - Focus on issues/topics with relevance across the CEOS organisation
 - Respectful of Agency resourcing
 - Dedicated Chair Team capacity for proposed activities
 - Ensuring complementarity to NASA SIT Chair

Incoming CEOS Chair Team



CSIRO



Alex Held
CEOS Chair

Adaptation and Resilience
PoC



Amy Parker Agency
Contact

Antarctica Co-PoC



Shaun Levick
Biodiversity
Expert



Zandria Farrell
Water Quality PoC

Geoscience Australia



Jonathon Ross
GA Principal
LSI-VC Co-Lead



Maggie Arnold
Agency Contact
Antarctica Co-PoC



Matt Adams
CEOS-ARD PoC



Medhavy Thankappan
WGCV Vice-Chair

Bureau of Meteorology



Agnes Lane
Bureau Principal
CEOS in Schools PoC

Supported by experts from GA, CSIRO
and BOM

CEOS Chair Support



Stephen Ward



Matt Steventon



George Dyke



Libby Rose



Harvey Jones

CEOS Chair Team Approach



- ❖ **Two Focus Activities** under the headline theme:
 1. Information Products on Satellite EO and CEOS Support to Environmental Change Adaptation and Resilience
 2. Updated CEOS-ARD Strategy - Ensuring CEOS-ARD is fit for the future
- ❖ Finite activities to be concluded within the 2026 Chair Term
 - No expectation of ongoing investment/support from CEOS organisation
 - Open to input and contributions from all Agencies and Entities
 - Information to support strategic Principal-level discussions as well as to help communicate CEOS value proposition and relevance
- ❖ All complementary to NASA SIT Chair

❖ Antarctica Plenary Experience

- Opportunity to deepen the CEOS community's connections with polar issues through in-person engagement with leading experts with lived experience
- Leverage Plenary in Hobart, Australia's gateway to Antarctica

❖ Water Quality Workshop

- Demonstration of EO based methodologies for water quality, with a focus on how these methodologies could fill the gaps identified in the Adaptation and Resilience chair theme.
- How to transform EO archives into actionable water quality insights to support adaptation strategies.

❖ CEOS in Schools Sessions

- Continue legacy of the 2025 UKSA CEOS Chair

Priority 1: Planet Aqua - Seeing Earth's Water from Space

- Transform understanding of the water cycle by tracking precipitation, inland waters, oceans, and coasts, and link this knowledge to enhancing water use efficiency, improving water quality, and strengthening resilience to droughts, floods, landslides, and other hazards.

Priority 2: Connected Data for Community Resilience

- Support community-level resilience through understanding of our own value chain in the context of user community requirements, advancing data fusion, and delivering actionable information.

Priority 1 Planet Aqua: Key Outcomes



1. Coordinate among CEOS Agencies to optimize the acquisition and delivery of water variables through the promotion of a multisource, integrated water observatory to transform understanding of the water cycle.
2. Develop and disseminate open-access, interoperable, analysis-ready, and decision-focused water information products in collaboration with partners such as OpenET, AquaWatch, and GEOGLOWS.
3. Utilize Earth observations and related capabilities to co-develop user-centered solutions for water scarcity and water quality, and early warning systems for water-related hazards (i.e., floods, landslides, ...).
4. Assess socio-economic benefits across key sectors (i.e., by developing use cases in agriculture, resource management, emergency response, insurance, transportation, energy, etc.) and regions.

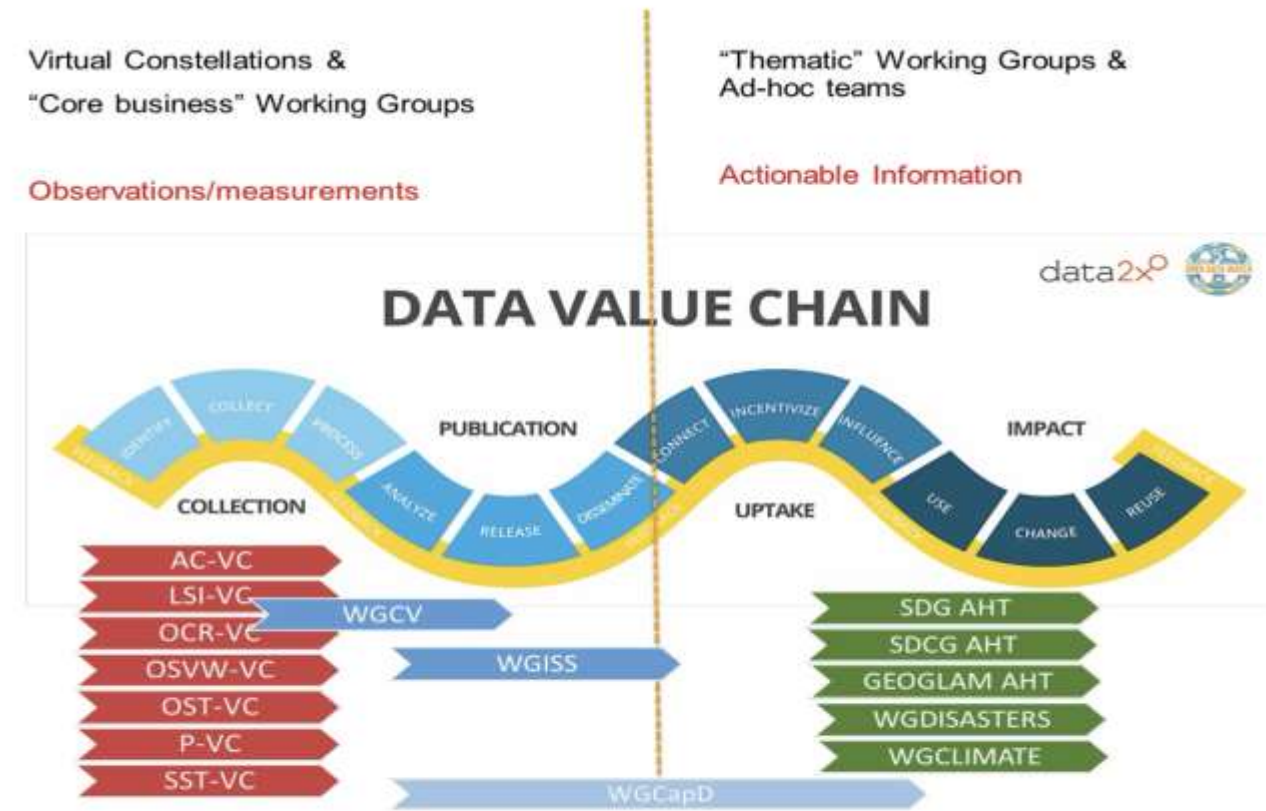
Priority 1: Main Deliverables



- Best practice guidance on combining optical and SAR data to derive water variables.
- CEOS-ARD for water strategy and implementation plan.
- Use cases to highlight the socio-economic benefits of satellite-based water variables for selected sectors.

Priority 2: Key Outcomes

1. Understand end user requirements to build community resilience
2. Review and optimize CEOS value chain
3. Advance interoperability efforts for data fusion
4. Improve capabilities to deliver actionable information to empower communities



Legacy CEOS Data Value Chain

Priority 2: Main Deliverables



- CEOS value chain product
- Community resilience interoperability demonstrator and use cases
- Resilience Roadmap document

Updates from SIT-TW (pending)



Tuesday, September 9	Wednesday, September 10	Thursday, September 11
<p>Side Meetings:</p> <ul style="list-style-type: none">• SEC-339 (<i>closed meeting</i>)• Future Analysis Ready Data• 2026 CEOS Chair Themes• COAST-VC: Demonstrations of New Products and Improvements• WIGOS Vision Update• GST Strategy Update• EUMETSAT Mission Control Tour• Unlocking EO for Public Service – UKSA CEOS Chair Theme• AFOLU, GFOI and Country Engagement• Biodiversity Study Team• GHGTT (<i>working meeting</i>)	<p>Welcome</p> <ul style="list-style-type: none">- Agriculture, Forestry and Other Land Use (AFOLU)- EO Data Impact- Atmospheric Observations- Interoperability and Data Quality- Other Thematic Topics	<p>Virtual Constellations: State of the Global Observing System</p> <p>Other Thematic Working Group and Virtual Constellation Topics</p> <p>Other Business</p> <p>Systems Engineering Office</p> <p>CEOS Chair and SIT Chair Themes (current and future)</p> <p>Biodiversity VC proposal</p> <p>Closing Session</p>

Incoming CEO Team



Lef Mamais



- Co-founder and Director at Evenflow 15+ years in the sector
- Lead CEOS executive office
- Liaison with CEOS Chair, SIT Chair, CEOS Secretariat, GEO
- 2 years as part of current CEO team

Julia Caufape



- Junior Consultant at Evenflow heavily involved in EuroGEO
- CEOS Exec Office support
- Work plan and deliverables liaison and monitoring

Phil Harwood



- Senior Consultant at Evenflow + 20 years in the sector
- Deputy to Lef
- Support VCs and WGs

Branimir Radun



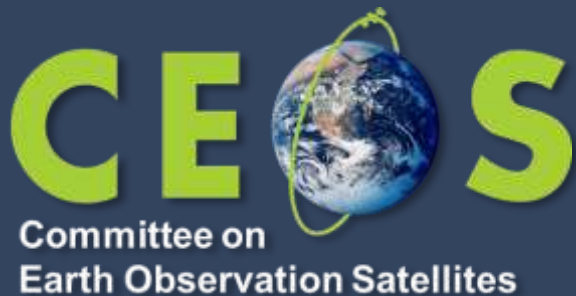
- Senior Consultant at Evenflow + 10 years in the sector
- Support VCs and WGs

- All team members are part of the Strategy Consulting Practice of Evenflow led by Lef and **have been working together on complex projects and prominent clients for several years.**
- **If needed, Evenflow can use more of its team** (20+ FTEs) to bring in additional support or skills e.g., linked to CEOS communication activities.



Gracias por escuchar.

Por favor, contáctame:
executive_officer@lists.ceos.org



Alternatively:
steven_ramage@outlook.com