

## CEOS SEC-309 Report

**Entity:** SIT Chair Team

**Prepared By:** SIT Chair Team

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### Updates on issues raised during the last CEOS SEC teleconference

- None.

### Issues requiring discussion/decision during current CEOS SEC teleconference

- None.

### Other highlights, activities, actions, projects, collaborations

#### Carbon & Biomass

- SIT Chair team coordinated representation of multiple CEOS agency experts at the recent CEOS-IMEO workshop held at Harvard University over 2 days. The meeting aimed to explore coordination opportunities among public, private and NGO methane observation providers.
- AFOLU Roadmap draft is out for review and will be presented to SIT TW later in the year.
- Several of the dataset profiles on the CEOS GST Data Portal have been updated. Refer to [ceos.org/gst](https://ceos.org/gst)

#### CEOS-ARD

- The OGC ARD SWG held its first meeting on June 5. CEOS has strong representation and the CEOS-ARD Oversight Group is considering who might be able to serve as an additional co-chair on behalf of CEOS.
- Clement Albinet of ESA was endorsed by WGCV as the alternate WGCV POC for CEOS-ARD assessment peer reviews. Clement will work with Medhavy Thankappan and Peter Harrison of Geoscience Australia. The additional support will provide redundancy and accelerate the peer review process.

#### CEOS New Space

- Inputs for the New Space Task Team White Paper are being collected. Numerous CEOS Agencies and entities have provided inputs recently. Thanks to all that have contributed.

#### EOHB 2023 for GST1

- Many CEOS community members have contributed texts and articles for the new EO Handbook aimed at the 1st Global Stocktake later this year. The draft is currently out for review - by SEC and many other CEOS groups and individuals. thanks to all those who have found time to make comments thus far. The review window closes on Friday 16th June - to allow us to move to the design phase.

### Upcoming meetings or events

- SIT Technical Workshop 2023 will be held at ESA/ESRIN 17-19 October.

# CEOS SEC-309 Report

Entity: CEO

Prepared By: Marie-Claire Greening

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## Actions:

305-03	Laurent to confirm the name of the new GEO SEC representative to CEOS.	<b>CLOSED</b> <i>CEOS Executive Officer will lead follow-up on this action in the context of the broader CEOS-GEO relationship analysis.</i>
308-02	CEOS Executive Officer to prepare a collective assessment of CEOS interactions with GEO via an analysis of CEOS Work Plan and interactions with CEOS entities.	SIT TW

In March 2023 the GEO Secretariat presented their new Concept of Operations to the GEO Executive Committee. Under this new structure, a position will be opened within a new GEO Communication and Partnerships Unit dedicated to strategic coordination with GEO Participating Organisations. This new posting will replace Laurent Durieux as the GEO Secretariat representative to CEOS. The GEO Secretariat has not yet started the recruitment process for the new strategic coordination role. In the meantime, CEOS is left without a dedicated liaison point, which will cause a few short-term practical difficulties.

In the meantime, with the new structure of the GEO Secretariat, and with the current discussions and proposed changes to GEO post-2025, it is timely for CEOS to review and reassess its relationship with and within GEO. A dedicated session on this topic will be included at the SIT Technical Workshop (17-19 October 2023) and, to support this, the CEO will prepare an assessment of our current interactions with, and contributions to, GEO through an analysis of the CEOS Work Plan and specific interactions with the CEOS entities.

## Newsletter: The CEOS Work Plan

The CEO has written a newsletter article on the CEOS Work Plan and the update for 2023-2025: <https://earth.jaxa.jp/ceos-newsletter/2023/05/30/the-ceos-work-plan/>

## **Upcoming meetings or events**

- GEO Symposium 2023, Geneva, Switzerland (13 – 14 June)
- GEO Programme Board #26 Geneva, Switzerland (15 – 16 June)
- GEO Open Data and Open Knowledge Workshop, Geneva, Switzerland (15 – 16 June)
- CGMS-15, Tokyo, Japan (26 – 28 June)
- GEO Executive Committee Meeting #61, Geneva, Switzerland (17 – 18 July)
- IGARSS 2023, Pasadena, USA (16 – 21 July)

An updated calendar of CEOS meetings / events, and some key external events that the community may find of relevance, is detailed in the following page. If any key meetings or events are missing from this calendar, or if any dates have changed since publication, please contact Marie-Claire.

# CEOS and relevant key external Meetings and Events

## 2023

<b>June</b>				
	05-Jun-23	09-Jun-23	WGCV-52	Frascati, Italy
	13-Jun-23	14-Jun-23	GEO Symposium 2023	Geneva, Switzerland
	15-Jun-23	16-Jun-23	GEO Programme Board Meeting #26	Geneva, Switzerland
	15-Jun-23	16-Jun-23	GEO Open Data and Open Knowledge Workshop	Geneva, Switzerland
	26-Jun-23	28-Jun-23	CGMS-51 Plenary	Tokyo, Japan
<b>July</b>				
	06-Jul-23	07-Jul-23	AI for Good Global Summit: Accelerating the UN SDGs	Geneva, Switzerland
	17-Jul-23	18-Jul-23	GEO Executive Committee Meeting #61	Geneva, Switzerland
	16-Jul-23	21-Jul-23	IGARSS 2023	Pasadena, USA
<b>August</b>				
<b>September</b>				
	04-Sep-23	08-Sep-23	Open Earth Monitor Global Workshop	Bolzano, Italy
	05-Sep-23	09-Sep-23	WGDisasters-20	Yellowstone Park, Montana, USA
	05-Sep-23	06-Sep-23	GEO Programme Board Meeting #27	Virtual
	25-Sep-23	30-Sep-23	WGCV IVOS subgroup meeting #35	Oberpfaffenhofen, Germany
	29-Sep-23	01-Oct-23	30th Workshop on Space Technology for Socio-Economic Benefits: "Challenges and Capacity-building Opportunities for Emerging Space Nations"	Baku, Azerbaijan
<b>October</b>				
	02-Oct-23	06-Oct-23	74th International Astronautical Congress (IAC)	Baku, Azerbaijan
	03-Oct-23	05-Oct-23	Earth Observation for Carbon Markets Workshop	Frascati, Italy
	03-Oct-23	05-Oct-23	Observations within the Global Greenhouse Gas Watch	Geneva, Switzerland
	10-Oct-23	12-Oct-23	LSI-VC-14	Frascati, Italy
	16-Oct-23	16-Oct-23	WGClimate GHG Task Team meeting	Frascati, Italy
	16-Oct-23	17-Oct-23	WGClimate-19	Frascati, Italy
	17-Oct-23	19-Oct-23	SIT 2023 Technical Workshop & Side Meetings	Frascati, Italy
	24-Oct-23	26-Oct-23	WGISS-56	Paris, France & Virtual
<b>November</b>				
	06-Nov-23	10-Nov-23	GEO Week (Ministerial Summit, GEO-19 and ExCom)	Cape Town, South Africa
	14-Nov-23	16-Nov-23	37th CEOS Plenary and Associated Side Meetings	Chiang Rai, Thailand
	13-Nov-23	17-Nov-23	5th International Ocean Colour Science Meeting	St Petersburg, Florida, USA
	30-Nov-23	12-Dec-23	UNFCCC COP-28	Dubai, United Arab Emirates
<b>December</b>				
	04-Dec-23	08-Dec-23	GSICS / WGCV IVOS Lunar Calibration Workshop	Darmstadt, Germany

## 2024

<b>January</b>				
	28-Jan-24	01-Feb-24	2024 AMS Annual Meeting	Baltimore, USA
<b>February</b>				
<b>March</b>				
<b>April</b>				
	09-Apr-24	11-Apr-24	SIT-39	Tokyo, Japan
	10-Apr-24	12-Apr-24	2024 UN Ocean Decade Conference	Barcelona, Spain
	14-Apr-24	19-Apr-24	EGU General Assembly	Vienna, Austria
<b>May</b>				
<b>June</b>				
	03-Jun-24	07-Jun-24	CGMS-52 Plenary	USA
<b>July</b>				
	07-Jul-24	12-Jul-24	IGARSS 2024	Athens, Greece
	13-Jul-24	21-Jul-24	COSPAR 45	Busan, South Korea
<b>August</b>				
<b>September</b>				
<b>October</b>				
	14-Oct-24	18-Oct-24	75th International Astronautical Congress (IAC)	Milan, Italy
<b>November</b>				
<b>December</b>				

### Legend:

	CEOS leadership participation required
	For information; CEOS leadership participation optional

# WG Disasters CEOS SEC Report - 309

**Entity:** WG Disasters

**Prepared By:** Helene de Boissezon (CNES), Laura Frulla (CONAE), Andrew Eddy (for CNES)

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## **Updates on issues raised during the last CEOS SEC teleconference**

- WG is preparing input for NSTT thinking piece; issue discussed during WGDisasters 19

## **Issues requiring discussion/decision during current CEOS SEC teleconference**

- None

## **Other highlights, activities, actions, projects, collaborations**

- RO Demo activity in critical phase preparing use cases for cost benefit to support co-investment from partners for next phase 2024-2026. A virtual meeting of the group will be held on June 28 with the aim to review achievements, early conclusions and paths forward for the next phase.
- Volcano Demo preparing proposal for International Virtual Volcano Observatory for 2024 and beyond;
- Landslide Demonstrator preparing sustainability report for ongoing science and possible pre-commercial activity in collaboration with insurance sector. A virtual meeting of the group will be held on June 26 with the aim to discuss on the outcomes of the demonstrator and future ideas and plans;
- Seismic Demonstrator to prepare proposal for rapid seismic response activity, as continuity of previously completed Demonstrator;
- On May 24, the WG Disasters teleconf number 33 was held. All WG activities were reviewed and action items updated.
- The teleconf number 34 will be held on July 25.

## **Upcoming meetings or events**

- WGDisasters 20 to be hosted by USGS from 5 to 9 September in Gardiner, Montana;
- Participation in GEO Symposium panels (EO4DRM, GSNL) June 13 and 14 in Vienna.

# CEOS SEC-309 Report

15 June 2023

**Entity:** Joint CEOS-CGMS Working Group on Climate (WGClimate)

**Prepared By:** Jeff Privette (NOAA), Wenying Su (NASA)

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## Updates on issues raised during the last CEOS SEC teleconference

- ECV Inventory restructuring: EUMETSAT contract tender delayed, now expecting the Inventory restructure to resume in ~December. WGClimate will proceed with merged gap analysis without contractor, draft in ~August.
- Former WGClimate Chair Albrecht von Barga (DLR) is serving as the interim representative to the GCOS Terrestrial Observation Panel for Climate (TOPC). Still seeking a permanent representative. Any CEOS agency SME can do this, need not be the standing representative to WGClimate.

## Issues requiring discussion during current CEOS SEC teleconference

- None

## Other highlights, activities, actions, projects, collaborations

(Dot points, e.g. outputs, new products, papers, technical reports, media, pipeline and new projects, interactions, project status changes, new opportunities)

- Submitted WGClimate position on NewSpace to GISTDA
- Working with CGMS Secretariat on actions, slides for CGMS-51 Plenary
  - Focus: Begin discussions on systematizing space for Global Stocktakes
- Space Agencies' Response to GCOS IP (SARGIP)
  - First routine check-in for action teams held 5 June 2023 (virtual)
  - Teams moving out, some well-formed
  - Assessing which action teams will focus on 2023 vs. 2024 results
  - Plan for a high level polished report on SARGIP to SBSTA and GCOS
  - Encouraging all CEOS agencies help support this large undertaking
- Developing plan and schedule for preparing SBSTA Statement, approvals, etc. Will present to CGMS-51 in 2 weeks.
- World Meteorological Congress-19 (May/June) approved for WMO for Greenhouse Gas coordination role: "Global Greenhouse Gas Watch" (GGGW)
  - GHG Task Team and WGClimate supportive of this
  - Will be engaging WMO (Lars Peter presenting @ CGMS-51) on differences between CEOS Roadmap and WMO plans (e.g., resolution)
  - WMO hosting observations coordination and planning meeting in October

## Upcoming meetings or events

**(Dot points, e.g. meetings, conferences of relevance, visits)**

- CGMS-51 Plenary 26-28 June, Tokyo. Privette attending
- WMO Observations in the Global Greenhouse Gas Watch: 3-5 Oct., Geneva
- WGClimate-19: 16-17 October (preceding SIT TW), Frascati
- SIT Technical Workshop: 18-20 October (following WGClimate-19), Frascati
- CEOS Plenary, 14-16 November, Thailand
- COP-28, Earth Information Day, 30 Nov - 12 December, Dubai UAE

# CEOS SEC Report

(two pages max.)

**Entity:** WGISS

**Prepared By:** Makoto Natsuisaka (JAXA) and Tom Sohre (USGS)

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## **Updates on issues raised during the last CEOS SEC teleconference**

### **(Dot points)**

- The WGISS chair participated in the CEOS NSTT meeting on May 31<sup>st</sup> and joined the review of the draft white paper.
- The WGISS chair and vice chair participated in the WGCV-52 meeting on Jun. 7<sup>th</sup>. The status on CEOS interoperability framework was reported and the assignment of the factor champion was discussed.
- The joint meeting with CGMS IV was organized on Jun. 7<sup>th</sup>. The objective of the meeting was to introduce individual activities on both technical groups and identify topics for which both groups could have mutual interests. Data Management and Stewardship Maturity Matrix developed by WGISS, and Cloud Use Best Practice developed by CGMS IV were identified as those topics and continuous communication was agreed.

## **Issues requiring discussion/decision during current CEOS SEC teleconference**

### **(Dot points)**

- None

## **Other highlights, activities, actions, projects, collaborations**

**(Dot points, e.g. outputs, new products, papers, technical reports, media, pipeline and new projects, interactions, project status changes, new opportunities)**

- None

## **Upcoming meetings or events**

**(Dot points, e.g. meetings, conferences of relevance, visits)**

- WGISS-56 October 24-26, Paris France, hosted by CNES
- WGISS-57 TBD

## **Attachments**

**(e.g. pictures, figures, graphs, links – for use in overall CEOS reporting and as website resources etc.)**

- None



# CEOS SEC Report

(two pages max.)

**Entity:** WGCapD

**Prepared By:** Jorge Del Rio Vera (United Nations Office for Outer Space Affairs)

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## **Updates on issues raised during the last CEOS SEC teleconference**

### **(Dot points)**

- Not applicable

## **Issues requiring discussion/decision during current CEOS SEC teleconference**

### **(Dot points)**

- WGCapD ViceChair role

## **Other highlights, activities, actions, projects, collaborations**

**(Dot points, e.g. outputs, new products, papers, technical reports, media, pipeline and new projects, interactions, project status changes, new opportunities)**

An ad-hoc group inside WGCapD is analyzing options for improving the reusability of learning objects. The ad-hoc group will meet again in June (week of 19 June) to discuss about repositories for learning objects.

### United Nations Needs Identification and Needs Repponse:

The WGCapD monthly meeting took place on 4 May and the discussion was centred around a document compiling needs from the presentations of UN entities that took place during the joint UN-Space/WGCapD-12. The document is work in progress and it is available [here](#). There is a form to insert resources matching the needs (form [here](#)).

**→ Inputs through the form are very much welcomed**

### Input to the report on Opportunities for New Space by the CEOS Chair:

Consultation with WGCapD members to provide an input to the request of the CEOS Chair Team. Information was provided on 30 May. The contribution mentions two areas of cooperation with new space: first is on joint capacity-building activities and the second on data archives preservation and availability.

### Request to WGCapD to organize a training on ENSO for latinamerican region:

A new deliverable has been requested by Faculty of Science and Technology of the National University of Itapúa, Paraguay, due to the extreme ENSO season expected in Paraguay. Requirements of the training are in discussion and once clarified, WGCapD members will be consulted on availability.

### Two presentations during the monthly meeting (AEM and SANSA)

Two members delivered presentations about their capacity-building activities.

**Attachments**

(e.g. pictures, figures, graphs, links – for use in overall CEOS reporting and as website resources etc.)

Needs document: available [here](#).

Form document: form [here](#)

Presentations from: SANSA and AEM

# CEOS SEC Report

June 2023

**Entity:** WGCV

**Prepared By:** Philippe Goryl (ESA), Cody Anderson (USGS)

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## **Updates on issues raised during the last CEOS SEC teleconference**

**(Dot points)**

N/A

## **Issues requiring discussion/decision during current CEOS SEC teleconference**

**(Dot points)**

N/A

## **Other highlights, activities, actions, projects, collaborations**

**(Dot points, e.g. outputs, new products, papers, technical reports, media, pipeline and new projects, interactions, project status changes, new opportunities)**

- WGCV-52 was held at ESA ESRIN, June 5-9. Excellent reports were provided by all subgroups and there were very active discussion across all priority areas. 41 actions and 7 formal decisions were recorded – it was a very fruitful meeting!
- An LPV Workshop is being held the week after WGCV-52.
- The SITSat Task Team Terms of Reference were endorsed and this group under WGCV will convene shortly.
- It was agreed that the Pre-Flight Calibration Workshop will be organised for September 2024. Organisation is underway in coordination with GSICS.
- Cody Anderson was identified as the Factor champion for the ‘Data Quality’ Factor of the CEOS Interoperability Framework. WGCV also suggests that the Semantics Factor of the Interoperability Framework be distributed vertically / cross-cutting.
- Clement Albinet of ESA was confirmed as the alternate WGCV PoC for CEOS-ARD self-assessment peer reviews.
- It was agreed that SARCALNET documents will, in time, be presented to WGCV for review and eventual endorsement such that the activity can be badged as a top-level WGCV activity (like RadCalNet).
- A new Terrain Mapping Subgroup Co-Chair is sought. All nominations welcome.
- Various additional inputs for the New Space Task Team white paper were discussed at WGCV-52, including around GNSS, SITSats and match-up databases.
- Support is needed for key GHG cal/val networks: NDACC, TCCON, COCCON. WGCV will prepare input for CEOS leadership consideration.
- WGCV considering potential applications of the CEOS Analytics Lab.
- Great progress at WGCV-52 on the concept of a CEOS-FRM Assessment Framework (Fiducial Reference Measurement) and pilot assessments against

the preliminary framework are planned between now and WGCV-53 in February/March 2024.

- A WGCV cal/val portal newsletter is being planned. Will ensure cross-posting with CEOS Newsletter and CEOS social media.
- WGCV-53 is being planned (tentatively) in Argentina, Cordoba, preferably 4-8 March. Currently confirming with CONAE.

### **Upcoming meetings or events**

**(Dot points, e.g. meetings, conferences of relevance, visits)**

- CEOS WGCV TMSG and DEMIX Workshop plenary meeting will be organised in July 2023 together with the geomorphometry 23 workshop: <https://geomorphometry.org/geomorphometry-2023/>
- CEOS WGCV IVOS meeting will be organised in DLR Germany at the end of September 2023.
- CEOS WGCV SAR subgroup workshop will be organised in DLR in October 2023.
- CEOS WGCV AC subgroup together with CEOS ACVC will organised a workshop in Brussel in October 2023 (tbc).
- The annual meeting of the NDACC-IRWG / TCCON / COCCON will be hosted by the Royal Belgian Institute for Space Aeronomy (BIRA-IASB) supported by the Belgian Science Policy Office (BELSPO). This event will take place from 12 to 16 June 2023 at the Radisson Blu Balmoral Hotel, Spa, Belgium.

### **Attachments**

(e.g. pictures, figures, graphs, links – for use in overall CEOS reporting and as website resources etc.) - CEOS WGCV 52th in Frascati - Italy



# CEOS SEC Report

**Entity:** SEO

**Prepared By:** Dave Borges (NASA)

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## **Updates on issues raised during the last CEOS SEC teleconference (Dot points)**

- Request SEC Action 307-03 be closed. SEO and CEOS Communications Team continues to develop new Communications Strategy which will be circulated for comments and feedback prior to SIT TW. SEO remains open to guidance and input regarding the development of the Strategy as well as CEOS agency contacts that are able and willing to amplify CEOS communications.

## **Issues requiring discussion/decision during current CEOS SEC teleconference (Dot points)**

### **Other highlights, activities, actions, projects, collaborations**

**(Dot points, e.g., outputs, new products, papers, technical reports, media, pipeline and new projects, interactions, project status changes, new opportunities)**

- GEO Secretariat invited SEO to join the reconstituted GEOSS Infrastructure and Data Task Team (GIDTT). SEO has accepted this request. CEOS representation on the GIDTT will include Mirko Albani, Alex Held and Dave Borges. GIDTT meetings are expected to begin in September 2023.
- SEO attended the first official OGC ARD Standards Working Group (SWG) meeting, held at the 126<sup>th</sup> OGC Member Meeting, 5 June. The ARD SWG still requires additional leadership roles be filled and SEO is working with CEOS ARD OG and LSI VC to help fill these roles, ensuring CEOS representation in the SWG.

### **Upcoming meetings or events**

**(Dot points, e.g., meetings, conferences of relevance, visits)**

- IGARSS 2023, 17-21 July, Pasadena, CA
  - Organizing CEOS exhibition booth. Reach out to Dave Borges and Libby Rose if you wish to contribute any specific CEOS content.