

## CEOS SEC-293 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

- CEOS participation in the GEO Post-2025 Working Group.

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

#### SIT-37

- SIT-37 draft decisions and actions were circulated on 12th April.
- SIT-37 draft minutes have been circulated on 5th May for review. Deadline for comments is 26th May.

#### Carbon & Biomass

- SIT Chair Team has reached out to IMEO following agreement at SIT-37 on a collaboration. GHG Task Team, AC-VC and WGCV have identified points of contact to help scope the work.

#### CEOS-ARD

- Recent presentation to CEOS-ARD Oversight Group from ISO-OGC team about using CEOS-ARD work as the basis for formal standards. Now considering if/how to engage.
- Team continuing to work towards a shared cross-domain template PFS.
- LSI-VC-11 being held next week. Will progress various threads on CEOS-ARD for Land.
- CEOS will be very well represented at ESA LPS Session B1.07.1 *Analysis Ready Data: are we there yet?*

### Upcoming meetings or events

- SIT TW: we hope will allow the first in-person CEOS meeting in more than 2.5 years. Currently we are planning for that outcome (Tue 13 - Thu 15 Sept). A room is reserved for an AFOLU Roadmap Team meeting on Mon 12 Sept. A week at a glance and logistics information is in preparation. A survey is being sent to all CEOS lists to seek to establish how many colleagues plan to attend in person to allow us to plan logistics. The survey link is here: <https://strawpoll.com/polls/e7ZJOeD4dy3>
- We hope to include a 'New Space & Future CEOS' session in the TW agenda - noting the significant interest generated by our teaser session at SIT-37. We will aim to poll the CEOS community on the topics and approach. We recognise the rapid and significant changes in the sector are of high interest to CEOS agencies, and we propose to focus on measures to ensure impact from our public EO programmes and to ensure societal impact overall for the sector and benefits for the user. We may explore the idea of pitches at TW on measures to support these objectives, such as:
  - Use of legacy cal-val infrastructure to serve the New Space sector and support improved accuracy of smallsats.
  - SITSATs and calibration transfer
  - Key data standards for data mixing (ARD etc)
- SIT-38 is proposed to be held at ESA ESRIN (Frascati, Italy) in the week of 27th March 2023. Tue 28th March will be assigned to side meetings and Wed 29th and Thu 30th March will be the main days for SIT-38. Meeting room bookings at ESRIN are still being confirmed. SEC agencies are invited to raise any known conflicts in the meantime.

# CEOS SEC-293 Report

**Entity:** CEO

**Prepared By:** Marie-Claire Greening

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<b>290-01</b>	Marie-Claire to lead drafting of a general CEOS statement for UN-COPUOS in June.	<b>June 2022</b>
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It was agreed at SEC-290 that CEOS would submit a statement to the UN Committee on the Peaceful Uses of Outer Space (COPUOS) at its 65th Session (1 – 10 June 2022). A draft of a CEOS statement was circulated to the SEC on 10<sup>th</sup> May with time for final review and discussion at SEC-293.

<b>292-02</b>	Marie-Claire to confirm to the GEO Secretariat that CEOS expects to have a delegation of approximately 6-8 people to GEO Week 2022. Representatives will primarily come from the CEOS Chair Team, SIT Chair Team, CEO and SEO.	<b>SEC-293</b>
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Confirmation that CEOS plans to send an in-person delegation to GEO Week in Accra, Ghana (31<sup>st</sup> October – 4<sup>th</sup> November) was sent to the GEOSEC on 14<sup>th</sup> April 2022. The delegation would be in the order of 6-8 people, led by the CEOS Chair. It was stressed that this number is an estimate only pending the lifting of global COVID travel restrictions.

## **GEO Symposium 2022**

The GEO Symposium 2022 was held virtually from 2 – 5 May. The theme was “Global Action for Local Impact” with the aim to explore how GEO products and services can provide evidence for decision making, assist in policy development, and ultimately provide tangible impact at the local scale. Many sessions focused on the end user and on the need to exemplify action through use cases. The discussions held during the symposium are to be fed into the development of the 2023-2025 GEO Work Programme.

All sessions over the 4 days were recorded and can be viewed via links on the dedicated webpages at <https://earthobservations.org/symposium2022.php>.

### **Upcoming meetings or events**

- LSI-VC-11 (17 – 19 May)
- WGClimate leadership nomination meeting (19 May)
- UN COPUOS 65<sup>th</sup> Session (1 – 10 June)
- GEO Programme Board Meeting #23 (21 – 23 June)

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 2022

Start Date	End Date	Meeting/Telecon	Location
<b>January</b>			
23-Jan-22	27-Jan-22	2022 AMS Annual Meeting	Houston, USA & <b>Virtual</b>
<b>February</b>			
07-Feb-22	18-Feb-22	UNCOPUOS STSC 59th Session	Vienna, Austria
8-Feb-22	9-Feb-22	CEOS-GEO Coordination Meeting	<b>Virtual</b>
14-Feb-22	18-Feb-22	Ocean Carbon from Space 2022 Workshop	<b>Virtual</b>
22-Feb-22	24-Feb-22	GEO Programme Board Meeting #22	<b>Virtual</b>
23-Feb-22	25-Feb-22	WGCapD-11	<b>Virtual</b>
<b>March</b>			
01-Mar-22	03-Mar-22	CEOS ARD STAC Working Group Workshop	<b>Virtual</b>
14-Mar-22	18-Mar-22	AC-VC 18th meeting	<b>Virtual</b>
15-Mar-22	17-Mar-22	WGDisasters-17	<b>Virtual</b>
15-Mar-22	16-Mar-22	GEO Executive Committee Meeting #57	<b>Virtual</b>
22-Mar-22	24-Mar-22	WGClimate-16	<b>Virtual</b>
22-Mar-22	25-Mar-22	WGCV-50	<b>Virtual</b>
22-Mar-22	24-Mar-22	WGISS-53	<b>Virtual</b>
28-Mar-22	28-Mar-22	1st SRX4VEG Workshop	<b>Virtual</b>
29-Mar-22	31-Mar-22	SIT-37	<b>Virtual</b>
<b>April</b>			
04-Apr-22	07-Apr-22	37th Space Symposium	Colorado Springs, USA & <b>Virtual</b>
20-Apr-22	21-Apr-22	EOTEC DevNet Regional Floods Working Group Meetings	<b>Virtual</b>
<b>May</b>			
02-May-22	05-May-22	2022 GEO Symposium	<b>Virtual</b>
10-May-22	12-May-22	WMO GHG Workshop	Geneva, Switzerland & <b>Virtual</b>
11-May-22	25-May-22	ARSET Webinar series (11, 18 & 25 May)	<b>Virtual</b>
17-May-22	19-May-22	LSI-VC-11	<b>Virtual</b>
18-May-22	20-May-22	WGClimate Gap Analysis Workshop	Darmstadt, Germany & <b>Virtual</b>
19-May-22	19-May-22	WGClimate leadership nomination meeting	Darmstadt, Germany & <b>Virtual</b>
23-May-22	27-May-22	2022 Living Planet Symposium	Bonn, Germany
23-May-22	27-May-22	EGC General Assembly	Vienna, Austria & <b>Virtual</b>
<b>June</b>			
01-Jun-22	10-Jun-22	UN COPUOS 65th Session	Vienna, Austria
06-Jun-22	11-Jun-22	XXIV ISPRS Congress	Nice, France & <b>Virtual</b>
06-Jun-22	16-Jun-22	UNFCCC SBSTA-53	Bonn, Germany
15-Jun-22	17-Jun-22	CGMS-50 Plenary	Geneva, Switzerland & <b>Virtual</b>
20-Jun-22	21-Jun-22	1st workshop of ACIX-III Land, Aqua and CMIX-II	Frascati, Italy
20-Jun-22	24-Jun-22	WMO Executive Council #75	Geneva, Switzerland & <b>Virtual</b>
21-Jun-22	23-Jun-22	GEO Programme Board Meeting #23	Geneva, Switzerland & <b>Virtual</b>
22-Jun-22	24-Jun-22	EARSel Workshop on Imaging Spectroscopy	Potsdam, Germany
27-Jun-22	01-Jul-22	UN Ocean Conference	Lisbon, Portugal
27-Jun-22	01-Jul-22	23rd GHRSSST International Science Team meeting	Barcelona, Spain & <b>Virtual</b>
<b>July</b>			
12-Jul-22	14-Jul-22	GEO Executive Committee Meeting #58	Geneva, Switzerland & <b>Virtual</b>
16-Jul-22	24-Jul-22	COSPAR 44	Athens, Greece & <b>Virtual</b>
17-Jul-22	22-Jul-22	IGARSS 2022	Kuala Lumpur, Malaysia & <b>Virtual</b>
<b>August</b>			
<b>September</b>			
06-Sept-22	08-Sept-22	GEO Programme Board Meeting #24	TBD
08-Sept-22	09-Sept-22	LSI-VC-12	Frascati, Italy
12-Sept-22	12-Sept-22	AFOLU Roadmap meeting	Frascati, Italy
13-Sept-22	15-Sept-22	SIT 2022 Technical Workshop	Frascati, Italy
18-Sept-22	22-Sept-22	73rd International Astronautical Congress (IAC)	Paris, France
<b>October</b>			
03-Oct-22	07-Oct-22	4th Joint meeting: WGCV-51 / WGISS-54	Tokyo, Japan
04-Oct-22	7-Oct-22	WGDisasters-18	Nice, France
17-Oct-22	19-Oct-22	2nd GCOS Climate Observation Conference	Darmstadt, Germany
23-Oct-22	27-Oct-22	Pecora Conference	Denver, Colorado, USA
24-Oct-22	28-Oct-22	GEO Blue Planet 5th Symposium	Accra, Ghana
31-Oct-22	04-Nov-22	GEO Week 2022/GEO-XVII and ExCom-59	Accra, Ghana
<b>November</b>			
07-Nov-22	18-Nov-22	UNFCCC COP-27	Sharm el-Sheikh, Egypt
29-Nov-22	01-Dec-22	36th CEOS Plenary and Associated Side Meetings	Biarritz, France
<b>December</b>			
12-Dec-22	16-Dec-22	AGU Fall Meeting 2022	Chicago, USA

**Legend:**

	CEOS leadership participation required
	For information; CEOS leadership participation optional

# CEOS SEC Report

**Entity:** WGDIs

**Prepared By:** L FRULLA (CONAE) – H de BOISSEZON (CNES) - A EDDY (AG) - P FERRIER (CNES)

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

**(Dot points)**

- None

## **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)**

- WGD members have prepared papers showcasing WGD experience in the pilots and demonstrators for Living Planet Symposium (to be held week of 23 May). A dedicated session on WGD experience is also planned at ISPRS in Nice week of June 6<sup>th</sup> “Innovative Applications of Satellite Data for Risk Management and Disasters (highlighting selected WGD activities)”
- WGD created a dedicated subgroup in March 2022 to examine the issue of sustainability of initiatives beyond the Demonstrator phase, to consider how successful technical projects can transfer lessons learned and practices to user communities outside of CEOS, including identifying funding mechanisms for sustainable services beyond CEOS pilots and demonstrators. The subgroup will work throughout 2022 and report back to the WGD in September 2022 and March 2023.
- Seismic Demonstrator Report (action DIS-19-03) delayed to Q2 2022.

## **Upcoming meetings or events**

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

- WGD 18 to be held in Nice from 3 to 7 October (face to face and virtual)
- WGD Telcon 31 to be held May 17.

## **Attachments**

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

# CEOS SEC Report

(two pages max.)

**Entity:** WGClimate

**Prepared By:** Albrecht von Bargaen (DLR)

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

### (Dot points)

- **SEC Action Item 292-04** The date of the WGClimate meeting had been scheduled for May 19<sup>th</sup>, 2022, 11 UTC, after all candidates confirmed their attendance. The invitation had been sent to the WGClimate members, the CEOS SEC and the CGMS secretariat so that the CEOS SEC and CGMS secretariat is informed about the meeting date. The meeting will be a side meeting during the gap analysis workshop at EUMETSAT, Darmstadt, Germany. Virtual attendance will be possible.
- **SEC Action Item 292-03** The chair had drafted a paper which contains the vice-chair nomination process including the governance constraints, see PDF attachment. The current status is that the candidate agencies expressed their interests and the WGClimate meeting date for the nomination of the vice-chair had been scheduled for May 19<sup>th</sup>, 2022. The nomination result will be reported to CEOS SEC (June meeting) and to CGSM WG II in advance of the CGMS plenary.

## Issues requiring discussion during current CEOS SEC teleconference

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)

- Continuous update of Use Cases; review process ongoing and finalized for around 15 cases; website publication by NOAA/NCEI ongoing; organization team call shall be extended with additional agencies; videoconference to exploit the opportunities to combine with Copernicus and CCI activities
- Gap analysis workshop related to Carbon Cycle
  - Workshop on May 18-20 at EUMETSAT (Darmstadt), but with capability of virtual attendance/contribution
  - Invitation to experts sent out, but open to last-minute nominations by agencies
- GCOS science conference (17-19 Oct 2022, Darmstadt, Germany, in person)  
[2nd Climate Observation Conference \(eventsforce.net\)](https://eventsforce.net)  
Opening of registration (deadline September 23<sup>rd</sup>) and abstract submission (until June 1<sup>st</sup>);
- GCOS implementation plan is open to public review

## Upcoming meetings or events

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

- WGClimate projected for May 19<sup>th</sup>, 2022 (in advance to CGMS plenary), virtually and in person, and for October in person

- 18-20 May 2022: WGClimate gap analysis workshop wrt Carbon Cycle ECVs  
Agencies invited to nominate experts: experts invited but invitation is open to further nomination
- Living Planet Symposium: Wednesday May 25<sup>th</sup> is “climate day”
- 2<sup>nd</sup> GCOS Science Conference (17-19 October 2022)
- WGClimate projected for May 19<sup>th</sup>, 2022 (in advance to CGMS plenary), virtually and in person, and for October in person

### **Attachments**

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

# 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)**

- Not applicable

## 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)**

During last WGCapD monthly teleconference there were the following presentations:

- Presentation on Paraguay activities for Capacity-Building: in WGCapD we started to collect members flash presentations, summarizing capacity-building activities. Members of CEOS are invited to contribute and a presentation during WGCapD monthly teleconference would be welcome (flash presentation template attached).
- Presentation on EOTEC DevNet Regional Communities of Practice working groups for for Floods: the beta version of the flooding resource tracker is now available for everyone to test at <https://eotec-dev.ceos.org>. Work is ongoing to improve the tracker based on the initial feedback collected at the regional meetings but would very much welcome any additional input from the WGCapD members.
- Presentations on Geography Teacher's GIS & Remote Sensing Training Workshop by University of Fort Hare and SANSA, where a group of 40 K-12 teachers received training.
- Presentation from NASA "Introducing the NASA Earth Science Applications Guidebook" ([Earth\\_Science\\_Applications\\_Guidebook\\_FINAL \(nasa.gov\)](#))

## Upcoming meetings or events

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

- o Regional Community of practice task team meetings June 15 and 16.  
Registration here:



[https://docs.google.com/forms/d/e/1FAIpQLSfOW70P3Ua\\_n8crZ1wclt5Vi8bHpL5YTLwI3E22dJF1kKTEOA/viewform](https://docs.google.com/forms/d/e/1FAIpQLSfOW70P3Ua_n8crZ1wclt5Vi8bHpL5YTLwI3E22dJF1kKTEOA/viewform)

### **Attachments**

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

- 1.- Flash presentation (one slide only) from Paraguay
- 2.- Presentation from SANSA and University of Fort Hare

# CEOS SEC Report

*(two pages max.)*

**Entity:** WGCV

**Prepared By:** Akihiko Kuze (JAXA) Philippe Goryl (ESA)

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## **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)**

- Present “The CEOS Cal/Val Portal: Calibration and Validation activities around space-borne sensors” in the ESA Living Planet Symposium on May 26 in Bonn
- WGCV is planning to the use of legacy cal-val infrastructure for the open-source toolkit idea the to serve the new space sector and support improved accuracy of small satellites in the SIT TW ‘new space & future CEOS’ session in September.
- WGCV chair is self-nominating to the formulation and implementation of the CEOS collaboration with the International Methane Emissions Observatory (IMEO).

## **Upcoming meetings or events**

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

- WGCV-51: October 3-6 2022, in Tokyo. The joint meeting with WGISS.

## CEOS SEC-292 Report – April 2022

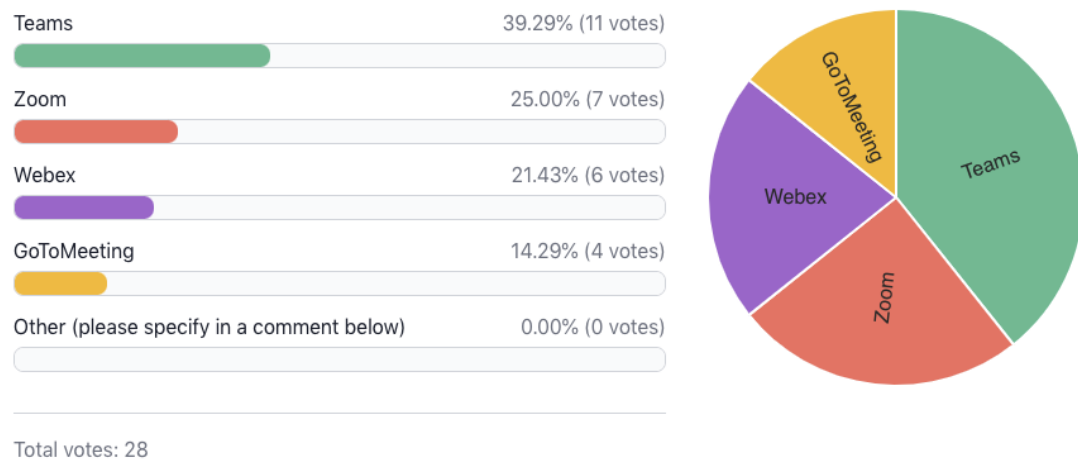
Entity: SEO

Prepared By: Brian Killough (NASA)

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

- The SEO has submitted a request to GEOSEC for a CEOS exhibition booth at the GEO Plenary in Ghana (OCT 31 to Nov 4). The SEO will plan and host this booth on behalf of CEOS. EOTEC DevNET has expressed an interest in having some of their work showcased at the booth. If CEOS agencies, WGs or VCs have any desires for material at the booth, please contact the SEO (Brian Killough or David Borges).
- The SEO (with the help of Symbios) conducted a survey of the CEOS community regarding our choice of teleconference/meeting software. The SEO is considering future options to use: GTM (current baseline), WebEx, MS-Teams and Zoom. The survey results are below (Agency preferences). See a more detailed summary at the end of this report.



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

- None

### Upcoming meetings or events

- The SEO submitted a request for a side event focused on an ODC Sandbox Demo. The proposed theme is: "Do you want to learn how to use satellite data in the cloud"? It is hope this event will inspire users (novice or expert) to appreciate the impact of satellite data and how modern technology is enabling expanded use across the world. One idea is to create a demo for illegal mining as Ghana is a primary target of this activity.

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

- None

## Summary of CEOS teleconference software survey

- Zoom is not feasible
- Final option must have a web browser client (many cannot install apps)
- Important to be able to call-in if not able to connect through a laptop
- Teams and Webex clearly most popular
- Teams has the most votes with WebEx next
- Given the close result between Teams and Webex, SEO team will now look at their features and select based on the best functionality and flexibility.

### Additional Comments:

- Astrid (EC): Commission we can use Webex & Teams. Zoom is not recommended and other platforms depend on the compatibility with our IT architecture and the firewall.
- Joost Carpay (NSO): Most positive experience with Webex and Teams. No restrictions.
- Ivan Petiteville (ESA): ESA mainly use Teams and Webex when we organize a teleconference. We are not allowed to install the Zoom application on our PCs. If we participate in a Zoom conference organized outside ESA, we have to participate through our web browsers instead of the Zoom application.
- Katy Matthews (NOAA): NOAA is fine with any platform as long as it can be accessed from a browser since we cannot download applications to join.
- Brian Killough (NASA): NASA regularly uses TEAMS and WebEx. We can use Zoom and GTM but we cannot install the software on our machines and must join from a browser.
- Olivier Marsal (CNES): CNES accepts any of the proposed systems. GoToMeeting works very well, and we have no reason to propose to change. But the other 3 are OK for us.
- Christine Bognar (NASA): TEAMS is now standard at NASA. If we join virtual meetings on another platform using our NASA equipment, it must be from a browser since uploading unauthorized software is not permitted.
- Albrecht von Barga (DLR): The policy for the usage of phone conference tools is very strict at DLR. In principle, it is only allowed to make use of our own phone system (Skype for Business) which can be superseded for meetings by PEXIP. The latter works very well as an interface platform. However, we can use WebEX. If not installed as application, Teams can be used. Absolutely a No Go is the use of Zoom. As at NASA, the upload of apps is not permitted. We have to use the browser version
- Ana Medico (CONAE): From CONAE we don't have problems using any of the proposed platforms. But we also agree that it is important that they have a web browser version so we don't have to install the application.
- Flora Kerblat (CSIRO): At CSIRO we prefer Webex and Teams (Zoom is not encouraged). Important to be able to call-in if not able to connect through a laptop.