

CEOS SEC-294 Report

Entity: SIT Chair Team

Prepared By: SIT Chair Team

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

SIT-37

- SIT-37 final minutes were circulated on June 3. Thanks to all who commented.

Carbon & Biomass

- As agreed during SIT-37 (action SIT-37-10), SIT Chair Team met with IMEO on 2nd June to progress a scoping paper defining the nature of the cooperation with CEOS. Volunteers from GHG Task Team, WGCV, and AC-VC will help review and refine the paper before it is shared with the relevant CEOS agencies responsible for the missions in any intercomparison experiment. A draft will be shared with SEC for the next telcon.
- The AFOLU Roadmap team plans to meet in ESA ESRIN (Frascati, Italy) on 12 Sep just ahead of SIT TW.

CEOS-ARD

- LSI-VC-11 meeting presentations are on the [CEOS website](#). Discussions included CEOS-ARD for Land updates and on strategies to increase the utility and impact of LSI-VC and CEOS-ARD.
- Convening a call on the 16th of June to explore the specifics of CEOS-ARD for hyperspectral sensors.
- CEOS-ARD Oversight Group will meet again on the 22nd of June to progress the updated PFS template, which will be more generalised for all thematic domains.
- CEOS-ARD Newsletter #2 will be released soon. It will be a special edition focused on CEOS-ARD @ Living Planet Symposium. Sign up for the newsletter [here](#).

SDG Coordination

- The group will meet Tuesday 14 June.
- A [running set of call notes is available here](#), including notes from the last call on 18 May. The two documents discussed at SIT-37 (*What CEOS can do to support the U.N. 2030 Agenda and the SDGs; and, CEOS expectations for the GEO Secretariat regarding support of the SDGs*) have been posted at ceos.org/sdg.

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 - GCOS TOPC" meeting on Mon 12 Sept, and a "CEOS ARD and Standards" on 13 Sep. A week at a glance and logistics information is in preparation. A survey has been 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:

- Identify the strengths of both the public and private sectors that could be used at best in a coordinated manner to improve the services to the user community at large, and to support international agreements and policies.
 - 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.
 - A June call of the CEOS Oceans coordination group is being planned. A survey of [CEOS Contributions to Oceans Activities](#) is currently open for agency contributions.

CEOS SEC-294 Report

Entity: CEO

Prepared By: Marie-Claire Greening

Committee on the Peaceful Uses of Outer Space (COPUOS)

COPUOS are currently holding their 65th Session in Vienna (1 – 10 June 2022). CEOS is an observer to COPUOS and prepared a statement for reading during the session meeting on Monday 6th June. Selma Cherchali, CEOS chair, pre-recorded a reading of the statement as she was unable to attend the meeting in person. Due to some technical difficulties, the recorded reading of the statement could not be aired on Monday 6th June, and so was rescheduled for delivery on Wednesday 8th June.

GEO

CEOS has been informed that Douglas Cripe, long-standing representative to CEOS from the GESOSEC, is to take early retirement from GEO. Doug will be replaced, with immediate effect, by Laurent Durieux, who will be invited to attend all CEOS SEC meetings.

Upcoming meetings or events

- UN COPUOS 65th Session (1 – 10 June)
- GEO Programme Board Meeting #23 (21 – 23 June)
- GEO Executive Committee #58 (12 – 13 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 2022 - 2023

Start Date	End Date	Meeting/Telecon	Location
June			
01-Jun-22	10-Jun-22	UN COPUOS 65th Session	Vienna, Austria
06-Jun-22	11-Jun-22	XXIV ISPRS Congress	Nice, France & Virtual
06-Jun-22	16-Jun-22	UNFCCC SBSTA-53	Bonn, Germany
15-Jun-22	17-Jun-22	CGMS-50 Plenary	Geneva, Switzerland & Virtual
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 & Virtual
21-Jun-22	22-Jun-22	GEO Programme Board Meeting #23	Geneva, Switzerland & Virtual
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 & Virtual
July			
13-Jul-22	14-Jul-22	GEO Executive Committee Meeting # 58	Virtual
16-Jul-22	24-Jul-22	COSPAR 44	Athens, Greece & Virtual
17-Jul-22	22-Jul-22	IGARSS 2022	Kuala Lumpur, Malaysia & Virtual
August			
September			
06-Sep-22	08-Sep-22	GEO Programme Board Meeting #24	TBD
08-Sep-22	09-Sep-22	LSI-VC-12	Frascati, Italy
12-Sep-22	12-Sep-22	AFOLU Roadmap meeting	Frascati, Italy
13-Sep-22	15-Sep-22	SIT 2022 Technical Workshop	Frascati, Italy
18-Sep-22	22-Sep-22	73rd International Astronautical Congress (IAC)	Paris, France
October			
03-Oct-22	07-Oct-22	4th Joint meeting: WGCV-51 / WGISS-54	Tokyo, Japan
04-Oct-22	07-Oct-22	WGDisasters-18	Nice, France & Virtual
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
November			
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
December			
12-Dec-22	16-Dec-22	AGU Fall Meeting 2022	Chicago, USA
January			
08-Jan-23	12-Jan-23	2022 AMS Annual Meeting	Denver, Colorado, USA
February			
March			
28-Mar-22	30-Mar-22	SIT-38 & Side Meetings	ESRIN, Italy
April			
17-Apr-23	20-Apr-23	38th Space Symposium	TBD
May			
June			
July			
August			
September			
October			
November			
06-Nov-23	17-Nov-23	UNFCCC COP-28	United Arab Emirates
December			

Legend:

	CEOS leadership participation required
	For information; CEOS leadership participation optional

CEOS SEC Report - 294

Entity: WGDIs

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

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 Telcon 31 was held May 17. All activities progressing well. No issues identified. Several new members taking active roles including ISRO (willingness to contribute satellite data to DRR activities) and GISTDA. Two new members from AEM (Mexico).
- WGD members presented papers showcasing WGD experience in the pilots and demonstrators for Living Planet Symposium (week of 23 May), in a session co-led by ESA and CNES.
- A dedicated session on WGD experience is also planned at ISPRS in Nice June 10th “Innovative Applications of Satellite Data for Risk Management and Disasters”, highlighting selected WGD activities.
- Update of GEO EO4DRM workplan
- WGD Recovery Observatory activity kicked off a review of sustainability in preparation for end of demonstrator phase late 2023. A report on next steps will be presented Q4 2022.
- The Marmara and Kamchatka Supersites biennial reports 2020-2022 have been received and are being analysed.

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)

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)

Updates on issues raised during the last CEOS SEC teleconference

During an extra meeting on May 19th, 2022, the WGClimate did nominate Dr. Wenying Su (NASA/Langley) for becoming vice-chair of WGClimate with the end of the CEOS plenary 2022 assuming an endorsement by CEOS plenary. She introduced her objectives for being vice-chair of WGClimate during the meeting. The nomination of Dr. Wenying Su had also been recommended by CGMS WG II for CGMS endorsement during the CGMS plenary on June 17th, 2022.

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)
 - Physical presence (~10) with experts connected virtually (in sum 25)
 - Structured approach along a seven guiding questions
 - Book captains will summarize until next week
 - WGClimate can forward preliminary findings wrt GCOS IP draft until June 17st, 2022
- ESA Living Planet Symposium: climate day on Wednesday May 25th including agora events
- 56. UNFCCC / SBSTA side event organised by FM Seifert (ESA) (June 8th, 2022): The role of systematic observation – for global to regional
- 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 23rd) and abstract submission closed June 1st;

Upcoming meetings or events

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

- WGClimate projected for October 2022 in person meeting in Oberpfaffenhofen or Munich / Germany. Doodle poll is ongoing.

CEOS SEC Report

(two pages max.)

Entity: WGISS Chair Team

Prepared By: Makoto Natsuisaka (JAXA), Tom Sohre (USGS)

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)

- WGISS EXEC team started to coordinate WGISS-54 toward in person meeting in October 2022. The main topics of the joint symposium with WGCV will be data stewardship maturity metrics and terminology. As well the future collaboration will be discussed.
- A hands-on training on the “Jupyter Notebooks Day”, a joint activity with WGCAPD, is shifted from June to September.
- The lead of Data Preservation and Stewardship Interest Group gave a presentation on CEOS WGISS Best Practices for Space Data Preservation at CGMS working group IV meeting to be held on 28th April 2022. The presentation was welcomed and both sides identified the common interests.

Upcoming meetings or events

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

- A hands-on training on the Jupyter Notebook Day will be held in September.
- WGISS-54 is scheduled in Oct. 4-6 in Tokyo. Joint workshop with WGCV is planned on Oct. 5.

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)

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:

- ESA Living Symposium took place 20-27 May
- [GLOBAL SURVEY ON SATELLITE DATA UTILIZATION - 2022](#) (available in six languages) by 1 July 2022.
 - Past survey: [WMO 2016 Survey on the Use of Satellite Data](#)
- Previous director of CSSTEAP published a book and a paper relevant to the activities of WGCapD.
 - [Capacity Development in Geospatial Technology: An overview](#)
 - [Citizen Science and Geospatial Capacity-Building](#)
- Digital Earth Africa has been supporting the African Women in GIS through a Mentee training sessions including a recent session on held on 28 May 2022, <https://youtu.be/rSwGD1DWZWk>

Summary of the status of Q2 deliverables:

- CB-20-15 SAR Training for Forest and Rice Monitoring (Vietnam) :has been cancelled, due to implementation issues.
- CB-20-23 AmeriGEO Contribution: has been postponed and it will be implemented during Q4, taking advantage of the SELPER conference
- CB-21-04 Zero-Hunger MOOC: has been postponed to the end of the year.
- CB-22-01 Webinar on Agricultural Crop Monitoring with SAR and Optical Remote Sensing: has been closed

- CB-21-06 Space Based Observations for Meteorological Hazards: Status is being investigated, ISRO representative to WGCapD stepped down and replacement is still to be communicated.

A new deliverable has been proposed and will likely be included in the workplan of WGCapD:

- 3th Vietnam School of Earth Observation (VSoEO 3): in-person: Sept.24 - Oct.1: between Vietnam (USTH : Vietnam - France University) and France (CESBIO-CNES)

Upcoming meetings or events

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

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

CEOS SEC Report

(two pages max.)

Entity: WGCV

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

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)

- June 8-13, 14th joint vicarious calibration campaign in Railroad Valley, Nevada, U.S.A. for GOSAT, GOSAT-2, OCO-2, OCO-3 and TROPOMI.
- Final WGCV-50 materials are now available on the meeting website:
<https://ceos.org/meetings/wgcv-50/>
- Discussing an open source toolkit to support cal/val and QA of EO satellite data – with New Space being a key potential user.

Upcoming meetings or events

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

- WGCV Leads Call, June 13 - WGCV-50 Action Review
- WGCV-51: October 3-6 2022, in Tokyo. The joint meeting with WGISS.

CEOS SEC-294 Report – June 2022

Entity: SEO

Prepared By: Brian Killough (NASA)

Issues requiring discussion/decision during CEOS SEC teleconference

- None

Updates on issues raised during the last CEOS SEC teleconference

- The SEO 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. 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. Thanks to everyone that responded as it helped us make a final decision. We have selected **WebEx** to support CEOS virtual meetings in the future. If you lead a CEOS group and would like to use the WebEx tool to host a meeting, please contact the SEO (Brian Killough or David Borges) or Symbios (George Dyke or Matt Steventon).

Upcoming meetings or events

- The SEO will present a paper (virtually) at the upcoming IGARSS Conference on July 18-22. The hybrid meeting is being held in Kuala Lumpur, Malaysia. The paper is titled "**The Open Data Cube Sandbox: A Tool to Support Flood Disaster Response and Recovery**" and co-authored by Brian Killough (NASA, SEO), George Dyke (Symbios, SEO), Ake Rosenqvist (soloEO, SEO), and Drew Lubawy (AMA, SEO).

Other highlights, activities, actions, projects, collaborations

- The SEO and USGS participated in the **SPLIT Geoscience Workshop** hosted by AmericaView at Bowling Green University on May 26. About 25 graduate students participated in the workshop which was focused on using the ODC Sandbox to support research needs that use satellite data in the cloud. The 4-hour session included a lecture and hands-on demonstrations of various application notebooks. The week-long workshop also included other lectures and demonstrations on diverse EO topics.

CEOS Newsletter Published and Planned Articles in 2022

#	Time	Topic	Contributor	Status
1	Mar	35 th CEOS Plenary (Nov)	2021 CEOS Chair (NASA)	Published
2	Mar	New CEOS Chair	2022 CEOS Chair (CNES)	Published
3	Apr	SIT-37 (Mar)	SIT Chair (ESA)	Published
4	May	CESO MIM DB	ESA	Published
5	Jul	in the occasion of UN Ocean Conference (Jun)	COAST	To be Discussed
6	Sep	LSI-VC meeting (Sep 8-9)	LSI-VC	To be Discussed
7	Sep	AFOLU Roadmap meeting (Sep 12)	AFOLU Roadmap Team	To be Discussed
8	Sep	SIT Technical Workshop (Sep 13-15)	SIT Chair (ESA)	To be Discussed
9	Oct	WGCV-51/WGISS-54 Joint meeting (Oct 4-7)	WGCV + WGISS	To be Discussed
10	Nov	In the occasion of GEO Week 2022 (Nov)	GEOSEC	To be Discussed
11	Nov	In the occasion of UNFCCC COP-27 (Nov)	WGClimate	To be Discussed
12	Dec	36 th CEOS Plenary (11/29-12/1)	2022 CEOS Chair (CNES)	To be Discussed
13	Dec	New CEOS Chair	2023 CEOS Chair (GISTDA)	To be Discussed
14	TBD	CEOS ARD (any occasion?)	SIT Chair (ESA)	To be Discussed
15	TBD	SDGs (any occasion?)	SEO	To be Discussed
16	TBD	In the occasion of UN 2023 Water Conference (Mar)	P-VC	