

CEOS SEC-296 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 Technical Workshop 2022

- The agenda will be finalised in the coming days. An accompanying document with Webex connection details for both the main meeting and side meetings will also be shared.
- Registrations remain open on the meeting website. It would be much appreciated if all participants could be registered by the end of this week to help with logistics and planning.
- Further logistics info will be shared via email.
- Note that due to COVID, lunches at the ESRIN Cafeteria must be booked in advance. See the agenda for details on how to do this.

Carbon & Biomass

- The AFOLU Roadmap team will meet in ESA ESRIN (Frascati, Italy) on 12 Sep just ahead of SIT TW for a workshop in cooperation with the GCOS Terrestrial Panel (TOPC). The workshop will focus on the 2035 timeframe to define requirements and help CEOS agencies frame their planning. Agenda and description [here](#).

CEOS-ARD

- LSI-VC-12 will be held September 8-9 at ESA ESRIN.
- Nighttime Lights Surface Radiance PFS is expected to be endorsed at LSI-VC-12.
- Ocean Radar Backscatter PFS is targeted for endorsement at LSI-VC-12.
- PROBA-V Collection 2 CEOS-ARD review ongoing
- JAXA ALOS-2 PALSAR-2 CEOS-ARD self-assessments received.
- LSI-VC is considering suggesting an action for CEOS Plenary regarding the development of a CEOS Interoperability Framework. This will be a key discussion at LSI-VC-12.

Upcoming meetings or events

- SIT-38 will 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-296 Report

Entity: CEO

Prepared By: Marie-Claire Greening

Actions

294-02	Marie-Claire to draft letters of appreciation for Doug Cripe and Raj Kumar from the CEOS SEC.	SEC-296
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The two letters of appreciation have been signed by the CEOS chair and have been sent to Doug and Raj via the GEO Secretariat Director and the ISRO Principal to CEOS respectively.

295-02	Marie-Claire Greening (CEO) to provide guidance to SST-VC on how to proceed with coordination between CGMS and SST-VC.	SEC-296
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No communication with the SST-VC thus far due to the summer recess. The CEO will follow up with the SST-VC at the SIT TW.

GEO Programme Board

CEOS's membership to the GEO Programme Board (PB) is due to expire at the end of 2022. If we would like to remain on the PB, CEOS is required to self-nominate for the next period (2023 – 2025). The communication link through the PB is vital to CEOS in maintaining a good working relationship with GEO and to all its activities.

The SIT Chair is CEOS's designated Principal to the PB, and the CEO acts as an Alternate. It is proposed to continue with this representation for the next period (2023 – 2025). Our nomination will be considered and voted on at GEO Plenary in November.

Upcoming meetings or events

- GEO Programme Board Meeting #24 (06 – 07 September)
- LSI-VC-12 (08 – 09 September)
- SIT 2022 Technical Workshop & Side Meetings (13 – 15 September)
- 73rd International Astronautical Congress (18 – 22 September)
- 4th Joint meeting: WGCV-51 / WGISS-54 (03 – 06 October)
- WGDisasters-18 (03 – 07 October)
- WGClimate-17 (20 – 21 October)
- GEO Week 2022 / GEO-XVII and ExCom-59 (31 October – 04 November)
- UNFCCC COP-27 (07 – 18 November)
- CEOS-36 & Side Meetings (29 November – 01 December)

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

2022

September				
	06-Sep-22	07-Sep-22	GEO Programme Board Meeting #24	Geneva, Switzerland
	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 & Side Meetings	Frascati, Italy
	18-Sep-22	22-Sep-22	73rd International Astronautical Congress (IAC)	Paris, France
October				
	03-Oct-22	06-Oct-22	4th Joint meeting: WGCV-51 / WGISS-54	Tokyo, Japan
	03-Oct-22	07-Oct-22	WGDisasters-18	Nice, France
	13-Oct-22	14-Oct-22	WGClimate GHG Task Team meeting	Oberpfaffenhofen, Germany
	17-Oct-22	19-Oct-22	2nd GCOS Climate Observation Conference	Darmstadt, Germany
	18-Oct-22	21-Oct-22	CEOS SAR Cal/Val Workshop	Montreal, Canada
	20-Oct-22	21-Oct-22	WGClimate-17	Darmstadt, Germany
	20-Oct-22	21-Oct-22	GFOI Plenary	Washington DC, USA
	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
	31-Oct-22	05-Nov-22	AfriGEO Symposium	Accra, Ghana
November				
	07-Nov-22	18-Nov-22	UNFCCC COP-27	Sharm el-Sheikh, Egypt
	07-Nov-22	10-Nov-22	Very High-resolution Optical Data Assessment (VH-RODA) 2022	Frascati, Italy
	28-Nov-22	04-Dec-22	Oceania Geospatial Symposium	Nouméa, New Caledonia
	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

2023

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	Colorado Springs, USA
May				
	17-May-23	19-May-23	JURSE 2023	Heraklion, Crete
June				
	26-Jun-23	28-Jun-23	CGMS-51 Plenary	TBD, Japan
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- 296

(two pages max.)

Entity: WGDisasters

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

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)

- Recovery Observatory Demonstrator 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 whole WG Disasters has started addressing the sustainability of Demonstrators (and Pilots) activities through an ongoing survey that will be exploited and deepened during the WGD meeting 18 in Nice.
- The quota for GSNL Kamchatka-Kuriles Supersite was assigned (DLR, CNES, COSMO-SkyMed and SAOCOM)
- There was a commentary in Nature about preparing for large volcanic eruptions.
Title: Huge volcanic eruptions: time to prepare
Link: <https://www.nature.com/articles/d41586-022-02177-x>
The article specifically points out the CEOS WG Disasters volcano activities and concrete achievements.

Upcoming meetings or events

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

- WGDisasters 18th meeting which will be held in Nice (Université Cote d'Azur) from 4 to 7 October (face to face and virtual), is under preparation.

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), Jeffrey A. Privette (NOAA)

Updates on issues raised during the last CEOS SEC teleconference

n/a

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
- Gap analysis workshop related to Carbon Cycle
 - First draft of the report is under review and will be extended by additional contributions from workshop attendees. Streamlining of input from former gap analysis workshop is under work in order to combine both reports into one paper
 - WGClimate forwarded preliminary findings wrt GCOS IP draft on June 17st, 2022, to GCOS and WMO
- 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), review of abstracts closed and satellite observations are present in different sessions. The brief session outlines are given on the webpages.
- COP-27 preparation / UNFCCC
 - First preparation videocall with UNFCCC; emphasis of EID to ocean decade but also other GST related topic; presentation and poster are needed to be given/presented in person(!), because of the bad experience with technical issues during COP-26
 - UNFCCC is aiming to move Earth observation much more in the focus of SBSTA/COP, or better the Parties
 - Statement draft for SBSTA opening session at COP-27 will be distributed end of the week to the CEOS SEC in preparation of the SIT TW
- Input provided for CEOS Ocean coordination group which is seen as a very supportive information/coordination platform by WGClimate

Upcoming meetings or events

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

- WGClimate meeting has been arranged for 20-21 October in Darmstadt hosted by EUMETSAT allowing the attendance of both, conference and WG meeting

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: WGISS

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

Updates on issues raised during the last CEOS SEC teleconference

(Dot points)

- A Connected Data Assets System Level Team Telecon was held on Aug. 30. Status on the STAC action was reviewed in addition to the regular topics.
- TechExpo Interest Group had a monthly meeting on Aug. 10th. Jupyter Notebook Day is being prepared and planned to be held in Sep. as a joint event with WGCapD.
- WGISS Exec meeting was held on Aug. 22nd. Matthew Steventon from LSI-VC gave presentations on the CEOS interoperability framework and the CEOS standardizations. WGISS recognized the significance of the activities and will consider how to contribute the activity through discussions in LSI-VC-12 and WGISS-54.
- Status of CEOS deliverables for WGISS were updated toward SIT-TW based on the CEO request.

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 representative participated in CEOS Ocean Coordination Group #4 meeting on Aug. 18th and expressed an issue that continuity of EAIL might be difficult, although the expectation from COAST team to EAIL was indicated.

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 will be held in-person in Oct. 4-6 in Tokyo. Joint workshop with WGCV is planned on Oct. 5. Remote participation is also available.

<https://ceos.org/meetings/wgiss-54/>

Special sessions are planned in addition to the regular ones.

- Data Integrity and Authenticity on Cloud
- Cooperation with CGMS
- ESA EO Portal, CEOS CAL/VAL Portal, CEOS MIM Database:
- Status of ARD Activities
- CEOS Common Online Dictionary
- Data Quality Assessment and Indicators, and DMSMM Maturity Matrix
- COAST report on EAIL
- Federated Discovery using STAC

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: 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)

- WGCV leads call, June 18 - WGCV-50 Action Review, Deliverable, WGCV-50-logistics, Registration, invitation letter, VISA application process
- The Infrared and Visible Optical Sensors Subgroup (IVOS) F-to-F meeting in Reston, VA, USA Aug 29 - Sep 2.
- Currently undertaking a comprehensive review of the WGCV membership with all CEOS Agency contacts

Upcoming meetings or events

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

- SIT TW, Presentation “WGCV for New Space”, side meeting CEOS Earth Analytics Interoperability Lab (EAIL) for WGCV work
- WGCV Vice chair (2023-2024) voting (e-mail) in September
- WGCV-51: Oct. 3-6, 2022, in Tokyo. The joint meeting with WGISS.

CEOS SEC-296 Report – September 2022

Entity: SEO

Prepared By: Brian Killough (NASA) and David Borges (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).

Upcoming meetings or events

- The SEO is planning to participate in a WGISS "**Jupyter Notebook Day**" in September. In addition, the SEO is working with GEO to develop a set of webinars for the **GEO Knowledge Hub**. These events will highlight some of the Open Data Cube Sandbox applications and inspire more people to use CEOS satellite data in the cloud via Jupyter notebooks (Python scripts).

Other highlights, activities, actions, projects, collaborations

- The SEO is supporting the **2023 Better Working World Data Challenge** through a collaboration with GEO and Ernst & Young (EY). Past support was also provided by CSIRO and GA. This competition is focused on students and young professionals and uses satellite data and machine learning to address a specific issue. The proposed topic for 2023 is rice crop monitoring and SDG 2 (Food Security). The SEO has been in contact with GEO, NASA Harvest, Radiant Earth, VNSC, and Asia-Rice to attempt obtain ground validation data (rice crop locations and yield data).
- The SEO met with GEO (Aug 25) to review recent **CEOS communications** activities, learn about GEO's latest communications strategy, and identify future opportunities to support each other's activities through joint campaigns and other means. Laurent Durieux and GEO's new Strategic Communications Specialist, Sam Nuttall, attended. Shared communications priorities were identified and quarterly CEOS/GEO communications meetings were agreed upon.