

## CEOS SEC-312 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

- AFOLU and GHG Roadmap meetings are scheduled in the margins of SIT TW.

#### CEOS-ARD

- Discussing an update to the CEOS-ARD Strategy to reflect the latest developments in this space and current CEOS priorities. Perhaps for presentation at Plenary or SIT-39 (TBD).
- LSI-VC-14 will have a focus on CEOS-ARD. The agenda is available [here](#). All welcome to join (remote connection available).

#### CEOS New Space

- Final inputs for the white paper, including recommendations, are due by the end of this week.

#### EOHB 2023 for GST1

- Draft remains in development. Thanks to all the contributors.

### Upcoming meetings or events

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

# CEOS SEC-312 Report

**Entity:** CEO

**Prepared By:** Marie-Claire Greening

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## Actions:

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.	In Progress Due SIT TW
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## Group on Earth Observations

- **CEOS Statement to GEO**

As is normal practise, CEOS has been offered the opportunity to provide a statement to GEO Plenary/Ministerial. This is not read but will appear on the GEO Ministerial website in its written form. The statement focuses on the two Chair priorities for this year, namely the Global Stocktake and New Space. After consultation with the SEC, the statement is now in its final version and will be submitted to the GEOSEC.

## Upcoming meetings or events

- 74th International Astronautical Congress (IAC), Baku, Azerbaijan (2 – 6 October)
- WGClimate-19, Frascati, Italy (16 – 17 October)
- SIT 2023 Technical Workshop & Side Meetings, Frascati, Italy (17 – 19 October)
- WGISS-56, Paris, France (24 – 26 October)
- 2023 GEO Week, Cape Town, South Africa (6 – 10 November)
- 37<sup>th</sup> CEOS Plenary & Side Meetings, Chiang Rai, Thailand (14 – 16 November)
- UNFCCC COP-28, Dubai, UAE (30 November – 12 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

## 2023

September				
	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
October				
	02-Oct-23	06-Oct-23	74th International Astronautical Congress (IAC)	Baku, Azerbaijan
	02-Oct-23	04-Oct-23	EuroGEO Workshop 2023	Bolzano, Italy
	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
	10-Oct-23	13-Oct-23	GEO BON Conference	Montreal, Canada
	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
	25-Oct-23	27-Oct-23	Thailand Space Week	Bangkok, Thailand
November				
	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
	19-Nov-23	21-Nov-23	Workshop on Optical Space Sensor Pre-flight Calibration and Characterisation	Noordwijk, Netherlands
	27-Nov-23	30-Nov-23	VH-RODA 2023 Workshop	Frascati, Italy
	30-Nov-23	12-Dec-23	UNFCCC COP-28	Dubai, United Arab Emirates
December				
	04-Dec-23	08-Dec-23	GSICS / WGCV IVOS Lunar Calibration Workshop	Darmstadt, Germany
	11-Dec-23	15-Dec-23	AGU23	San Francisco, USA

## 2024

January				
	28-Jan-24	01-Feb-24	2024 AMS Annual Meeting	Baltimore, USA
February				
March				
April				
	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
	23-Apr-24	26-Apr-24	EUSAR-2024	Munich, Germany
May				
June				
	03-Jun-24	07-Jun-24	CGMS-52 Plenary	USA
July				
	07-Jul-24	12-Jul-24	IGARSS 2024	Athens, Greece
	13-Jul-24	21-Jul-24	COSPAR 45	Busan, South Korea
August				
September				
October				
	14-Oct-24	18-Oct-24	75th International Astronautical Congress (IAC)	Milan, Italy
	22-Oct-24	24-Oct-24	38th CEOS Plenary and Associated Side Meetings	TBD, Canada
November				
December				

### Legend:

	CEOS leadership participation required
	For information; CEOS leadership participation optional

# CEOS SEC Report WG Disasters 311

**Entity:** WG Disasters

**Prepared By:** H. de Boissezon (CNES), L. Frulla (Conae), A. Eddy (Athena Global)

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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)**

- request for WG Disasters report in agenda of SIT TW (15 min);

## **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)**

- Presentation of pre-operational Recovery Observatory proposal at SIT TW and Plenary;
- Presentation of Volcano observations sustainability Report and proposal at SIT TW and Plenary;
- Media: RO video (3.5 minutes) under development (planned release mid October);
- WGDIsasters-20 5-9 September (hosted by USGS);
- New seismic demonstrator proposal focussed on science products for seismic response under development for 2024.

## **Upcoming meetings or events**

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

- WGDIsasters-21 planned for Buenos Aires March 2024 (dates TBD)

## **Attachments**

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

# CEOS SEC-312 Report

29 Sept 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

- GCOS Coordination
  - Space Agencies' Response to GCOS IP (SARGIP)
    - Gathering initial responses to brief SIT TW
  - TOPC's A. Bombelli will present at WGClimate-19 (Oct. 16-17)
  - Welcomed new TOPC representative D. Ghent (UKSA) on Sept 28
- COP-28 Planning
  - Space Agencies Statement to SBSTA
    - Draft complete, coordinating distribution with Secretariat
    - CSA confirmed it will present orally at COP-28
  - Earth Information Day
    - Tracy Tollmann (UNFCCC) confirmed Dec. 3; setting up one-on-one meeting to inform WGClimate role(s)
    - WGClimate representative is TBD (not Chair or V-Chair)
  - Space Leaders Summit
    - UAESA provided Space Leaders Pledge for CEOS review
  - Space Declaration (COP-12) reviewed, will not be updated this cycle

## Issues requiring discussion during current CEOS SEC teleconference

- None. Mostly prepping for WGClimate-19, SIT TW and Side Meetings

## 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)**

- WMO Obs. in Global Greenhouse Gas Watch: 3-5 Oct., Geneva (Jeff, Wenying)
- WGClimate-19: 16-17 October (preceding SIT TW), Frascati (Jeff [planned])
- SIT Technical Workshop: 18-20 Oct. (following WGClimate-19), Frascati (Jeff)
- CEOS Plenary, 14-16 November, Thailand (Jeff)
- COP-28, Earth Information Day, 30 Nov - 12 December, Dubai UAE (Wenying)
- AGU Session: Planning for Observation Continuity: Scientific Needs, Decision-Support Value, and the Practical Challenges, 11-15 December, San Francisco

## Statement Reporting on Progress by the Committee on Earth Observation Satellites (CEOS) and the Coordination Group for Meteorological Satellites (CGMS) on Coordinated Response to UNFCCC Needs for Global Observations

59<sup>th</sup> Session of the of the Subsidiary Body for Scientific and Technological Advice (SBSTA)

30 November 2023, Dubai, United Arab Emirates

The Nation of Canada, on behalf of the Committee on Earth Observation Satellites (CEOS) and the Coordination Group for Meteorological Satellites (CGMS) is pleased to provide this annual report to the 59<sup>th</sup> session of the Subsidiary Body for Scientific and Technological Advice (SBSTA) on the joint CEOS-CGMS response to the United Nations Framework Convention on Climate Change (UNFCCC) needs for systematic Earth observations as identified by the UN's Global Climate Observing System (GCOS).

CEOS and CGMS are international organisations composed of 63 Member Agencies and Associates, and 16 Member Agencies, respectively. They coordinate civilian space observation activities that advance knowledge of Earth's environment. The Joint CEOS-CGMS Working Group on Climate focuses on activities supporting the GCOS Implementation Plan, a community-driven report documenting observation needs for addressing UNFCCC goals. By leveraging its comprehensive Essential Climate Variables (ECV) Inventory<sup>1</sup>, the Working Group assesses the integrated space architecture against the GCOS requirements.

Over the past two years, the Agencies have focused significantly on the first UNFCCC Global Stocktake, the first of a recurring global environmental assessment to evaluate progress toward Paris Agreement goals. The Agencies provided satellite-derived measurements of greenhouse gases (GHGs), their surface exchanges, and other supporting data and information<sup>2</sup>. Besides supporting Stocktake needs, these contributions are helping fill gaps in national assessments. Space agencies derived several conclusions from this pioneering activity:

- The world's climate observing infrastructure (space+*in situ*) is unprecedented and continues to advance. However, this infrastructure is not yet sufficiently comprehensive, robust or systematized to fully meet the needs of recurring intercomparable Stocktakes. The Agencies strongly recommend an international focus on sustained observations -- both of greenhouse gas and non-greenhouse gas quantities and interoperable with the companion *in situ* and modeling infrastructures -- to enable high quality Stocktakes needed to inform policy- and decision-making. Parties can also help by moving forward on national GHG Measurement, Monitoring, Reporting and Verification systems.
- Satellite capabilities for measuring GHGs are advancing rapidly, enabling operational global monitoring as well as facility-, urban- and basin-scale anomaly detection. Satellites can now detect methane leaks from fossil fuel facilities, and their abatement can slow the rate of climate warming. Satellites also detected GHG reductions during the COVID-19 pandemic, suggesting an emerging ability to assess impacts of mitigation actions. Strong effort is required to coordinate and integrate these emerging capabilities, including with WMO's new Global Greenhouse Gas Watch (GGGW).
- Space technologies are also advancing for estimating biomass carbon stocks and fluxes in the Agriculture, Forestry, and Other Land Use (AFOLU) sector. CEOS is developing an AFOLU Roadmap<sup>3</sup> to complement its GHG Roadmap<sup>4</sup> for

<sup>1</sup> [CEOS-CGMS Inventory of Essential Climate Variable records](#)

<sup>2</sup> [CEOS Global Stocktake Information Portal](#)

<sup>3</sup> [Towards a roadmap for space-based observations of the land sector for the UNFCCC global stocktake](#)

<sup>4</sup> [CEOS GHG Roadmap](#)

collaboratively advancing these capabilities.

- Independent private sector entities, including academic and non-profit organisations, are rapidly diversifying the global satellite infrastructure. The Agencies are developing frameworks to integrate these new contributions.
- IPCC-endorsed methods<sup>5</sup> for estimating GHG inventories in support of Nationally Determined Contributions vary widely. Significant effort is required to align these methods and integrate observational and modeling capabilities.

In addition to supporting the Stocktake, Agencies are comparing current and planned capabilities against the observing needs expressed in the 2022 GCOS Implementation Plan<sup>6</sup>. Initial results reveal that, for most ECVs, advanced space and ground capabilities support data collection and utilisation. However, measurement continuity for some key ECVs (e.g. precipitation and some

atmospheric gas profiles) is a top concern. Measurement gaps reduce the ability to identify key environmental changes and patterns.

CEOS and CGMS will use these findings to inform future investments. These, together with the Agencies' contributions to a 2022 report to UNFCCC on systematic observations<sup>7</sup>, identify the research and observation capabilities, gaps and paths forward for supporting UNFCCC needs. To help maximise their effectiveness, CEOS and CGMS continue to partner with other programs, including GGGW, the UN Environment Programme's International Methane Emission Observatory, WMO's Integrated Global Greenhouse Gas Information System and the Group on Earth Observations.

CEOS and CGMS welcome engagement with the Parties, and stand ready to support a new international focus on sustained observations as needed for recurring Stocktakes, as well as to expand capacity-building activities for unleashing the full value of satellite data.

#### CEOS and CGMS Agencies

Agence Gabonaise d'Études et d'Observations Spatiales (AGEOS), Gabon  
 Agencia Espacial Mexicana (AEM), Mexico  
 Agensi Angkasa Negara (ANGKASA), Malaysia  
 Agenzia Spaziale Italiana (ASI), Italy  
 Australian Bureau of Meteorology (BoM)  
 Belgian Federal Science Policy Office (BELSPO)  
 Canada Centre for Mapping and Earth Observation (CCMEO)  
 Canadian Space Agency (CSA)  
 Centre National d'Études Spatiales (CNES), France\*  
 Centro para Desarrollo Tecnológico Industrial (CDTI), Spain  
 China Center for Resources Satellite Data and Applications (CRESDA)  
 China National Space Administration (CNSA)\*\*  
 Chinese Academy of Space Technology (CAST)  
 Comisión Nacional de Actividades Espaciales (CONAE), Argentina  
 Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia  
 Council for Scientific and Industrial Research (CSIR) South Africa

Crown Research Institute (CRI), New Zealand  
 Deutsches Zentrum für Luft- und Raumfahrt (DLR), Germany  
 Earth System Science Organisation (ESSO), India  
 European Centre for Medium-Range Weather Forecasts (ECMWF)  
 European Commission (EC)  
 European Organisation for the Exploitation of Meteorological Satellites (EUMETSAT)\*  
 European Space Agency (ESA)\*  
 Geo- Informatics and Space Technology Development Agency (GISTDA), Thailand  
 Geoscience Australia (GA)  
 Global Climate Observing System (GCOS)  
 Global Geodetic Observing System (GGOS)  
 Global Ocean Observing System (GOOS)  
 Global Terrestrial Observing System (GTOS)  
 International Science Council (ISC)  
 International Geosphere-Biosphere Programme (IGBP)  
 India Meteorological Department (IMD)\*\*  
 Indian Space Research Organisation (ISRO)\*  
 Instituto Nacional de Pesquisas Espaciais (INPE), Brazil

<sup>5</sup>[IPCC Updated Guidelines for GHG Inventories](#)

<sup>6</sup>[2022 GCOS Implementation Plan](#)

<sup>7</sup>[The Role of Systematic Earth Observations in the Global Stocktake](#)

Intergovernmental Oceanographic Commission (IOC)\*

International Ocean Colour Coordinating Group (IOCCG)

International Society of Photogrammetry and Remote Sensing (ISPRS)

Japan Meteorological Agency (JMA)\*\*

Korea Aerospace Research Institute (KARI)

Korea Meteorological Administration (KMA)\*

Ministry of Education, Culture, Sports, Science and Technology (MEXT)/Japan Aerospace Exploration Agency (JAXA)\*

National Aeronautics and Space Administration (NASA), USA\*

National Institute of Environmental Research (NIER), Korea

National Oceanic and Atmospheric Administration (NOAA), USA\*

National Remote Sensing Center of China (NRSCC)

National Satellite Meteorological Center (NSMC)/China Meteorological Administration (CMA)\*

National Space Agency of Ukraine (NSAU)

National Space Research Agency of Nigeria (NASRDA)

Netherlands Space Office (NSO)

Norwegian Space Agency (NOSA)

Polish Space Agency (Poland)

Portuguese Space Agency (Portugal Space), Portugal

Russian Federal Service for Hydrometeorology and Environmental Monitoring (ROSHYDROMET)\*

Russian Federal Space Agency (ROSCOSMOS)\*

Scientific and Technological Research Council of Turkey (TÜBİTAK---Uzay)

South African National Space Agency (SANSA)

Swedish National Space Agency (SNSA)

United Arab Emirates Space Agency (UAESA)

United Kingdom Space Agency (UKSA)

United Nations Economic and Social Commission for Asia and the Pacific (ESCAP)

United Nations Educational, Scientific and Cultural Organization (UNESCO)

United Nations Environment Programme (UNEP)

United Nations Food and Agriculture Organization (FAO)

United Nations Office for Outer Space Affairs (UNOOSA)

United States Geological Survey (USGS)

Vietnam Academy of Science and Technology (VAST)

World Climate Research Programme (WCRP)

World Meteorological Organization (WMO)

\*Denotes Agencies being Member of both CEOS and CGMS. \*\*Denotes only CGMS Agencies.



# 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)**

- Monthly meeting of CEOS interoperability framework was held on Sep. 13 and 27.
- The chair attended NSTT meeting on Sep. 27. The description for the CEOS interoperability framework chapter of the white paper was finalized.
- Technology Exploration Interest Group meeting was held on Sep. 15 and task team meeting on the AI/ML white paper initiative was held on Sep. 14. The team, which consists of members from JAXA, NASA, UKSA, etc. start to draft the AI/ML white paper.

## **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
- Jupyter Notebooks WS October 26-27, Paris France, hosted by CNES., Cooperated with WGCapD and GEO.
- WGISS-57 TBD

## **Title: Jupyter Notebooks as a shareable resource for CEOS**

Organizer: Esther Conway (NCEO/UKSA)

Expected participants: UKSA/NCEO, ESA, CNES, EUMETSAT, SEO, NASA Develop, UN, CSIRO Chile, University of Alaska Fairbanks, JAXA, Mexican Space Agency (others are expected)

Objective:

The purpose of the workshop will be to explore key aspects of the Jupyter Notebook technology. The technology has raised the promise of a centralised resource for a broad more inclusive range of CEOS agencies.

However, this also poses some specific technical/policy challenges which, to this end we plan to address the following in this workshop.

- Presentation of a range agency notebooks and service exemplars from WGISS and CapD. Followed by a discussion of emerging community need for discoverable and re-usable notebook-based resources.
- Explore the application of CEOS Service Metadata Discovery Best Practice

[https://ceos.org/document\\_management/Working\\_Groups/WGISS/Documents/WGISS%20Best%20Practices/CEOS-Service-Discovery-Best-Practices.pdf](https://ceos.org/document_management/Working_Groups/WGISS/Documents/WGISS%20Best%20Practices/CEOS-Service-Discovery-Best-Practices.pdf)

to current agency resources including FEDEO, GitHub, Geo Knowledge Hub, GitHub/Zenodo and Agency Repositories

<[https://ceos.org/document\\_management/Working\\_Groups/WGISS/Documents/WGISS%20Best%20Practices/CEOS-Service-Discovery-Best-Practices.pdf](https://ceos.org/document_management/Working_Groups/WGISS/Documents/WGISS%20Best%20Practices/CEOS-Service-Discovery-Best-Practices.pdf)>

- Examine policies and approaches for keeping a repository current with viable/usable notebooks (how do we avoid a repository of broken things?)
- Finalise the remaining Jupyter Notebooks Best Practice topics covering
  - Notebook Access and Discovery
  - Description of Notebook technical dependencies
- Open discussion on the way forward and interaction of CapD/WGISS

Timetable: Afternoon Thursday 26th Oct – Morning Friday 27th October

### **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)

**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)

- Launch of the EOTEC DevNet Drought Community of Practice. Presentation attached, please raise awareness about the community of practice. (for updates on <https://eotecdev.net/>). Request to CEOS members to include tools, references to data and links to capacity-building resources in the drought tracker tool ([https://docs.google.com/spreadsheets/d/1\\_Zl\\_mfthQgwTYquHMK5IMyQJxeBRPeisgd4wga-Onec/edit?usp=sharing](https://docs.google.com/spreadsheets/d/1_Zl_mfthQgwTYquHMK5IMyQJxeBRPeisgd4wga-Onec/edit?usp=sharing))
- WGCapD presented during the last WGDIsasters meeting to seek opportunities for collaboration.
- Request for a SELPER training received. Trainers are requested on the topic of emergencies.

## **Attachments**

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

Presentation of EOTEC DevNet Drought Working Group Kick-off meeting

# CEOS SEC Report

Septembre 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)**

- A 3 days workshop was organized by CEOS-LPV and GEOGLAM with the aim to develop good practices for the validation of crop and crop type maps and related crop area estimation. The WS was hosted by USDA at the National Agricultural Library in Beltsville (MD). As a result of the Workshop a peer-reviewed paper is currently in preparation to be published before end of 2023. The paper will be about the definition of community good practices for the accuracy assessment of cropland and crop type maps. A summary of the paper will be also included in the CEOS-LPV good practices protocol for Land Cover, which is currently in preparation. The first version of this protocol is expected to be released in Q4 2023 for internal review within CEOS.
- The IVOS group met in September in Germany (today) with the discussion on a radiometric matchup data base for Very High resolution. The method and approach will be further consolidated and presented during VH RODA in November. Similarly, discussion on a reference data base of Ground control point (GCP) for geometric validation is being discussed.

- Discussion on GHG Cal/Val Networks Sustainability took place between WGCV ACSG under the leadership of Jean-Christopher Lambert (BIRA), GHG task group. This topic will be further discussed at SIT-TW and recommendation will be done CEOS Plenary. Jean-Christopher Lambert and Ben Veihelmann will connect with Shobha Kondragunta, leader for aerosol in AC-VC, and see how WGCV can help in response to need for implementation roadmap.
- The SITSat Task Team will meet in October. We will explore the possibility of having a SITSat session with IGARRS - Sessions can be proposed until 15 October
- A summary and report of the WGCV-52 will be published in the next GSICS newsletter.
- As reminder: A new Terrain Mapping Subgroup Co-Chair is sought. All nominations welcome.
- WGCV-53 is being planned in Argentina, Cordoba on 4-8 March. First discussion with CONAE took place.

### **Upcoming meetings or events**

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

- 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).
- VH RODA in ESRIN Italy at the end of November.

### **Attachments**

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

**LPV Meeting – Frascati 12-14 June 2023**

# 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)**

**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)**

- SDG Coordination Group held monthly meeting on 26 September to finalize preparations for the SIT TW side meeting, agenda items, and deliverables progress:
  - Updates to the SDG EO Support Sheets on Water (6.6.1), Urbanisation (11.3.1), Coastal Eutrophication (14.1) are underway. However, Land Degradation (15.3.1) will be postponed to 2024 to align with ongoing efforts led by GEO LDN and UNCCD.
  - SDG Communications material being prepared for GEO Week.All are welcome to attend SIT TW side meeting on 17 October. The meeting will help finalize key messages to be delivered at SIT TW and Plenary. SDG CG supporting WGCapD with planning of sessions related to SDGs at the UN Space training event in Brindisi, Italy on 17 October.
- CEOS Visualization Environment (COVE) Portal has received numerous performance enhancements. RadCalNet and ECCOE Cal/Val sites have been added to regions. The following missions have been added based on user requests: ISS EMIT, EnMap, Pleiades NEO 3/4, GHGSat-D/C1-5, ResourceSat-2A, Capella-6/9/10.
- CEOS Communications Team is finalizing the CEOS Booth design which will be featured in the GEO Week 2023 Exhibition area. All CEOS elements are invited to contribute content and/or let Dave Borges know if you are attending in-person and wish to support the booth.

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

- GEO Week Ministerial Summit, Cape Town South Africa, 6-10 November.
  - EOI submitted and confirmed; SEO to host CEOS exhibition booth.