

2020 CEOS Plenary Objectives & Agenda

Version 1.2

October 20 – 22, 2020

ONLINE MEETING – Connection Details on Last Page

**** ATTENDANCE AS PART OF OFFICIAL CEOS AGENCY DELEGATION ONLY ****

CEOS Plenary focuses on decisions to be made by Principals to advance and direct the various initiatives underway within the numerous subsidiary groups that are active in support of CEOS objectives. The Plenary agenda is dictated by the priority business underway in these groups, and it is informed by the outcomes and discussions of the SIT-35 meeting (March 2020) and the CEOS SIT Technical Workshop (September 2020).

This meeting will be held entirely online throughout the week of October 19. To minimise the potential for scheduling conflicts, CEOS entities are requested to plan any preparatory meetings well in advance of this week. The customary 'side meetings' will not be coordinated by the CEOS Chair Team.

Specific objectives of the 34th CEOS Plenary include:

1. Present the achievements, impacts and plans for continuity of the **2020 CEOS Chair Initiatives** and their outputs.
2. Consider endorsement of the **Greenhouse Gas (GHG) Roadmap** for an integrated global carbon observing system including a targeted observing system to monitor the column concentrations of CO₂, CH₄ and other greenhouse gases from space – as input to the UNFCCC Global Stocktakes, which begin in 2023 and occur every five years thereafter.
3. Debate the discussion paper that has been prepared on a possible CEOS **Agriculture, Forestry and Other Land Use (AFOLU) Roadmap** – a complement to the GHG Roadmap and additional contribution to the UNFCCC Global Stocktake process – and decide on whether to proceed with and dedicate resources for the development of such a Roadmap.
4. Review the **CEOS WGCV LPV Biomass Validation Protocol** and discuss the concept of a Forest Biomass Reference Network to help assure the policy relevance of the CEOS agency investment in biomass missions.
5. Consider how space agencies and CEOS might make the most of the opportunity presented by the **UNFCCC Global Stocktake Process** to support climate policy processes and to demonstrate the value of EO satellite data – both to the collective policy under the UN and to individual countries.
6. **CEOS Coastal Observations and Applications Study Team (COAST)**: progress report on pilot activities; consider endorsement of a **Coastal Strategy for CEOS**; and, decide on the **future of the Study Team**.
7. Review progress on the **CEOS Analysis Ready Data (ARD) Strategy**, in particular, topics related to expansion beyond the land domain, interoperability, and consider endorsement of the **CEOS Analysis Ready Data – Involving the Private Sector** paper.
8. **Sustainable Development Goals Ad Hoc Team (SDG-AHT)**: review progress on the activities of the sub-teams, and make a decision on the future of the SDG-AHT and CEOS SDG engagements.
9. Evaluate and provide direction for the **CEOS Virtual Constellations and Working Groups** and their activities. Consider endorsing nominees proposed to serve as Working Group Vice-Chairs.
10. Consider **CEOS organisational matters**:
 - a. Application for CEOS Associate membership by the Polska Agencja Kosmiczna (POLSA);
 - b. CEOS Executive Officer (CEO) continuity;
 - c. Future CEOS Chair candidates;
 - d. CEOS External Request Process Paper and New Initiatives Process Paper;
 - e. Agree on CEOS inputs to upcoming GEO and UNFCCC meetings, as necessary.

Week at a Glance

The meeting will be held over three days, from October 20-22, 2020. Over the course of the three days, each session will last four hours, and will include a short break. The starting time each day will be [06:00 US Eastern \(10:00 UTC\)](#).

Given the extraordinary circumstances impacting this year’s Plenary and the virtual nature of the meeting, the core functions of the Plenary will be prioritised. The CEOS Chair proposes that general reporting and updates be handled entirely outside of the daily teleconferences (e.g., via the meeting website with links to presentations, videos, reports, etc.).

October 20	October 21	October 22
2020 CEOS Chair Initiatives CEOS Organisational Matters CEOS Executive Officer Continuity Future CEOS Chairs CEOS-GEO Coordination	WGCapD, WGCV Greenhouse Gas (GHG) Monitoring Activities & Roadmap Agriculture, Forestry and Other Land Use (AFOLU) Roadmap CEOS WGCV LPV Biomass Validation Protocol Biomass Forest Reference Network Concept	CEOS ARD Strategy CEOS-COAST Sustainable Development Goals <i>Ad Hoc</i> Team (SDG-AHT) COVID-19 and Earth Observation from Space
Break (20 minutes)		
Potential Endorsement of WG Vice-Chair Nominees WG and VC Decisions COVERAGE SEO Annual Report CEOS External Request Process Paper and New Initiatives Process Paper MIM Database Annual Report	WGClimat UNFCCC Global Stocktake Process & Space Agency Engagement	SIT Chair Term Accomplishments CEOS Agency Updates CEOS Chair Handover Closing

Side Meetings

Side meetings are encouraged, and should be organised independently and during the weeks preceding the Plenary.

Agenda

Tuesday October 20th

Time (UTC)	Item	Presenter(s)
10:00 – 10:20	1.1: Welcome <ul style="list-style-type: none"> Welcome, introduction, and overview of the agenda Remarks by the host institution (<i>Chairman, ISRO</i>) <i>Tour de table</i> of participants 	D.K. Das (2020 CEOS Chair)
10:20 – 10:40	1.2: 2020 CEOS Chair Priorities Presentation <ul style="list-style-type: none"> Achievements, outputs, impacts Plans for continuity <u>Discussion</u>: Online processing tools for disasters <u>Discussion</u>: Virtual constellation user requirements and mission feasibility 	2020 CEOS Chair Team
10:40 – 10:55	1.3: CEOS Membership Matters <ul style="list-style-type: none"> <u>Discussion and Decision</u>: Application for CEOS Associate membership by the Polska Agencja Kosmiczna (POLSA) 	CEOS Executive Officer POLSA Representatives
10:55 – 11:10	1.4: CEOS Executive Officer (CEO) Continuity <ul style="list-style-type: none"> <u>Discussion</u>: Longer-term plan regarding CEO and Deputy CEO continuity 	2020 CEOS Chair Team CEOS Executive Officer 2021 CEOS Chair
11:10 – 11:25	1.5: CEOS Chairs in 2022 and 2023 (one-year term) <ul style="list-style-type: none"> <u>Discussion</u>: Agency nominations for the 2022 and the 2023 CEOS Chair terms <u>Decision</u>: 2022 CEOS Chair nomination 	2020 CEOS Chair Team CEOS Secretariat Representatives
11:25 – 11:50	1.6: CEOS-GEO Coordination <ul style="list-style-type: none"> GEO Executive Committee GEO Programme Board Open Earth Alliance (GEO Community Activity) <u>Discussion</u>: General Q&A <u>Decision</u>: CEOS Statement to GEO Week 2020 	SIT Co-Chairs & SIT Chair Team CEOS Representatives to GEO B. Killough (SEO)
Break (20 minutes)		
12:10 – 12:25	2.1: CEOS Working Groups (WGs) and Virtual Constellations (VCs) <ul style="list-style-type: none"> Summary of WG decision items to follow High-level showcase / summary of key VC updates 	CEOS Chair Team (WGs) SIT Chair Team (VCs)
12:25 – 12:35	2.2: WGDisasters <ul style="list-style-type: none"> <u>Decisions</u>: Endorsement of the following: <ul style="list-style-type: none"> Strategic Paper: <i>Promoting Space Data for</i> 	D. Green (WGDisasters Chair)

	<p>Disaster Risk Management</p> <ul style="list-style-type: none"> ○ Implementation Plan: <i>Generic Recovery Observatory</i> ○ Implementation Plan: <i>Geostationary / Low Earth Orbit / Synthetic Aperture Radar Flood Risk Pilot</i> 	
12:35 – 12:45	<p>2.3: WGISS/SEO: Earth Analytics Interoperability Lab (EAIL)</p> <ul style="list-style-type: none"> ● Discussion: Interest in the ongoing joint WGISS-SEO Earth Analytics Interoperability Lab 	<p>R. Woodcock (WGISS Chair)</p> <p>B. Killough (SEO)</p>
12:45 – 12:55	<p>2.4: CEOS Working Group (WG) Vice-Chair Decisions</p> <ul style="list-style-type: none"> ● Decisions: Endorsement of new Vice-Chairs for WGClimate (Jeff Privette, NOAA), WGCV (Philippe Goryl, ESA) 	2020 CEOS Chair Team
12:55 – 13:10	<p>2.5: CEOS Ocean Variables Enabling Research and Applications for GEO (COVERAGE)</p> <ul style="list-style-type: none"> ● Discussion: Positioning COVERAGE as a cumulative contribution to the Decade on Ocean Science (e.g., via programmatic connectivity to GOOS) 	V. Tsontos, J. Vazquez (NASA)
13:10 – 13:30	2.6: Annual Report: CEOS Systems Engineering Office (SEO)	B. Killough (SEO)
13:30 – 13:45	<p>2.7: CEOS External Request and New Initiatives Process Papers</p> <ul style="list-style-type: none"> ● Decisions: Endorsement of the CEOS External Request Process Paper and the updated CEOS New Initiatives Process Paper 	B. Killough (SEO)
13:45 – 13:55	2.8: Annual Report: CEOS MIM Database	I. Petiteville (ESA)
13:55 – 14:00	2.9: Session Close	2020 CEOS Chair Team

Wednesday October 21st

Time (UTC)	Item	Presenter(s)
10:00 – 10:10	3.1: Welcome, introduction, review of the agenda	2020 CEOS Chair Team
10:10 – 10:20	<p>3.2: WGCAPD: CEOS-Branded Webinar Toolkit</p> <ul style="list-style-type: none"> ● Decision: Agreement to proceed with preparing a CEOS-Branded Webinar Toolkit 	N. Searby (WGCAPD Chair)
10:20 – 10:30	<p>3.3: WGCV</p> <ul style="list-style-type: none"> ● RadCalNet ● ARD review ● <i>CEOS WGCV LPV Biomass Validation Protocol</i> 	C. Ong (WGCV Chair)

10:30 – 11:00	<p>3.4: Greenhouse Gas (GHG) Roadmap</p> <ul style="list-style-type: none"> • Decision: Endorsement of the GHG Roadmap document (v2.4) 	<p>M. Dowell (COM) A. von Bargaen (DLR)</p>
11:00 – 11:30	<p>3.5: White Paper on an Agriculture, Forestry, and Other Land Use (AFOLU) Roadmap</p> <ul style="list-style-type: none"> • Discussion: AFOLU Roadmap actions; alignment and synergy with GHG Roadmap • Decision: Seek approval to undertake AFOLU Roadmap development, as proposed in the White Paper, and discussion on CEOS Agency designees 	<p>O. Ochiai (JAXA)</p>
11:30 – 11:45	<p>3.6: CEOS WGCV LPV Biomass Validation Protocol</p> <ul style="list-style-type: none"> • Presentation of the final draft of the <i>Protocol</i> for information 	<p>L. Duncanson (NASA/UMD)</p>
11:45 – 12:05	<p>3.7: Forest Biomass Reference Network</p> <ul style="list-style-type: none"> • Discussion: Discuss the concept of a Forest Biomass Reference Network and consider partnerships for its implementation and resourcing 	<p>SIT Chair Team (Introduction) L. Duncanson (NASA/UMD)</p>
12:05 – 12:15	<p>3.8: Closing discussion and actions</p>	<p>SIT Chair Team</p>
Break (20 minutes)		
12:35 – 13:10	<p>3.9: WGClimate Essential Climate Variable (ECV) Inventory v3.0, Gap Analysis Report, and Coordinated Action Plan</p> <ul style="list-style-type: none"> • Decision: Endorsement of the ECV Gap Analysis Report, and update of the Coordinated Action Plan based on v3.0 of the ECV Inventory <p>Status of the climate data requirements process with GCOS</p> <ul style="list-style-type: none"> • Decision: Consider supporting plans of WGClimate to discuss requirements with GCOS <p>New WGClimate routine use case activity for Climate Data Records</p> <ul style="list-style-type: none"> • Proposed action: CEOS members to provide use cases via their WGClimate representative 	<p>J. Schulz (WGClimate Chair)</p>
13:10 – 13:55	<p>3.10: UNFCCC Global Stocktake Process & Space Agency Engagement</p> <ul style="list-style-type: none"> • Discussion: Opportunity presented by the UNFCCC Global Stocktake • Global Stocktake #1 products (D. Crisp) • Discussion: Engagement actions 	<p>SIT Chair (Introduction & Context) Discussion moderated by M. Dowell (COM) and J. Schulz (WGClimate Chair) D. Crisp (NASA/JPL)</p>

13:55 – 14:00	3.11: Session Close	2020 CEOS Chair Team
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Thursday October 22nd

Time (UTC)	Item	Presenter(s)
10:00 – 10:10	4.1: Welcome, introduction, review of the agenda	2020 CEOS Chair Team
10:10 – 10:40	<p>4.2: CEOS Analysis Ready Data (ARD) Strategy</p> <ul style="list-style-type: none"> Review progress on tasks Updates on expanding CEOS Analysis Ready Data beyond the land domain Decision: Consider forming a small team to review the CARD4L Framework and propose changes that make it amenable to additional Product Family Specifications (PFS) for non-land domains Decision: Endorsement of the CEOS Interoperability Terminology v1.0 Decision: Endorsement of the CEOS Analysis Ready Data – Involving the Private Sector paper 	<p>A. Lewis (SIT Co-Chair)</p> <p>E. Armstrong (NASA/JPL)</p> <p>R. Woodcock (WGISS Chair)</p> <p>A. Siqueira (SIT Chair Team)</p>
10:40 – 11:00	<p>4.3: CEOS Coastal Observations and Applications Study Team (COAST)</p> <ul style="list-style-type: none"> Progress report on pilot activities CEOS-COAST Phase II proposal Discussion: Identify CEOS Agency expressions of interest / support for Phase II (2021) activities – including through appointment of a Co-Lead Decision: Endorsement of a Coastal Strategy for CEOS Decision: Approval to be recognised / proceed as a CEOS Ad Hoc Team 	P. DiGiacomo (CEOS-COAST Lead)
11:00 – 11:30	<p>4.4: Sustainable Development Goals Ad Hoc Team (SDG-AHT)</p> <ul style="list-style-type: none"> Brief report on progress to support decision Roadmap for 2021, highlighting the transition plan as well as the unique CEOS role in supporting GEO Discussion: CEOS' SDG strategic priorities Decision: Extend the AHT for another year; discuss transition plan for SDG activities 	<p>A. Held (SIT Co-Chair)</p> <p>M. Paganini (ESA)</p>
11:30 – 12:15	<p>4.5: COVID-19 and Earth Observation from Space</p> <ul style="list-style-type: none"> ESA / JAXA / NASA presentation on Joint Dashboard on EO and COVID-19 (Y.L. Desnos, S. Sobue, and M. Maskey) EC presentation on RACE & Copernicus products (A. Koch) Joint EUMETSAT-CNES LATMOS presentation (D. Coppens) Studies on environmental impact over India (Raj Kumar) Decision: Determine if and how CEOS should proceed 	

	with activities related to COVID-19	
Break (20 minutes)		
12:35 – 12:55	4.6: Report: SIT Chair Term Accomplishments	CEOS SIT Co-Chairs: A. Held (CSIRO) A. Lewis (GA)
12:55 – 13:15	4.7: CEOS Agency Updates – Highlight Synthesis Report	2020 CEOS Chair Team
13:15 – 13:45	5.1: CEOS Chair Handover <ul style="list-style-type: none"> • Presentation on 2021 CEOS Chair theme and priorities 	2020 CEOS Chair (ISRO) 2021 CEOS Chair (NASA)
13:45 – 14:05	5.2: 2020 CEOS Plenary Final Review <ul style="list-style-type: none"> • Wrap up / summary slides from item leads, including recap of 2020 CEOS Plenary Decisions and Actions 	2020 CEOS Chair Team Agenda item leads
14:05 – 14:10	5.3: Meeting Close	2020 CEOS Chair