

**2019 CEOS Plenary Objectives
October 14th – 16th, 2019
Hanoi, Vietnam**

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

CEOS Plenary focuses on decisions to be made by Principals to progress 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 is informed by the discussions held at the preceding SIT Technical Workshop in September.

Specific objectives of the 33rd CEOS Plenary include:

1. Present the achievements of the **2019 CEOS Chair Initiative**; which integrated a number of ongoing CEOS activities, data, algorithms, and training/capacity building in support of forest and rice crop monitoring for the Mekong Delta region; and detail the next steps and evolution of this sustained platform.
2. Review the various **CEOS climate activities** and provide direction where required. Several topics are anticipated:
 - a. The definition and implementation of an integrated global carbon observing system including a targeted observing system for monitoring the column concentrations of CO₂, CH₄ and other greenhouse gases from space. The implementation roadmap will be presented for endorsement.
 - b. Other CEOS Carbon Strategy actions that have been taken forward by various CEOS groups.
 - c. Consider endorsement of new CEOS Carbon Strategy activities for inclusion in the 2020-2022 CEOS Work Plan.
 - d. Version 3.0 of the ECV Inventory Gap Analysis Report and Coordinated Action Plan, including the preservation, discovery and access of Climate Data Records (CDRs) and Essential Climate Variables (ECVs).
 - e. Consider endorsement of an updated CEOS Space Data Strategy and Phase II R&D Programme for GFOI.
 - f. Consider endorsement of the space agency statement to SBSTA 51.
3. Consider endorsement of the **"Air Quality Constellation Validation Needs"** document and its recommendations for implementation.
4. Chart the next steps for CEOS Analysis Ready Data through consideration (for endorsement) of the comprehensive **CEOS Analysis Ready Data Strategy** prepared by the SIT Vice Chair Team.
5. Consider endorsement of the GEOGLAM *Ad Hoc* Working Group's response to the updated GEOGLAM observational requirements.
6. Evaluate and provide direction for the **CEOS Virtual Constellations and Working Groups** and their activities, and in particular consider new Working Group Vice-Chairs and refreshed Terms of Reference, where necessary. Topics anticipated include:
 - a. Consider endorsement of an updated Terms of Reference for the Working Group on Disasters.

7. Provide guidance on **CEOS support to other key stakeholder initiatives** where required, such as to the United Nations Sustainable Development Goals (SDGs) – and the way forward organisationally for the CEOS effort.
8. Consider **CEOS organisational matters** as necessary, potentially (depending on the outcomes from SIT Technical Workshop):
 - a. CEOS Executive Officer contingency plan (if no nominees).
 - b. The proposals for a new Working Group on Information Provision and a merged Virtual Constellation for the ocean domain.
 - c. Way forward for current *Ad Hoc* Teams (GEOGLAM, SDCG, SDG).
 - d. The Virtual Constellation leadership rotation proposal.
 - e. Proposed *Ad Hoc* Team (AHT) initiation cycle.

Week at a Glance

Monday October 14	Tuesday October 15	Wednesday October 16
Side Meetings (see below)		

Monday, October 14th – Side Meeting Schedule

Time			
8:00			
8:30			
9:00			
10:00			
11:00			
12:00	Lunch		
13:00			
14:00			
15:00			
16:00			
17:00			
18:00-20:00 – Ice Breaker			

Note: CEOS Agency bilateral meetings are not shown here.

Agenda

Tuesday, October 15th			
Plenary Day 1, Room:			
08:00 — Registration			
Session 1: Core Business			
1.1	09:00	CEOS Chair Introduction - Welcome and Opening Remarks - <i>Tour de Table</i>	P. A. Tuan <i>CEOS Chair</i>
1.2	09:15	Action Status (<i>For Information</i>) - 32 nd CEOS Plenary - 2019 SIT Technical Workshop - SIT-34	S. Hosford <i>CEO</i>
1.3	09:30	CEOS Three-Year Work Plan Annual Update Schedule & CEOS Work Plan Progress Report (<i>For Information</i>)	S. Hosford <i>CEO</i>
1.4	09:45	CEOS Executive Officer Contingency Plan	ISRO / CSIRO-GA
1.5	10:00	2019 CEOS Chair Initiative - Achievements - Next Steps and Evolution	P. A. Tuan <i>CEOS Chair</i>
Session 2: Climate			
2.1	10:15	CEOS-CGMS WGClimate - Version 3.0 of the ECV Inventory Gap Analysis Report and Coordinated Action Plan - Preservation, Discovery and Access of Climate Data Records (CDRs) and Essential Climate Variables (ECVs) - Space Agency Statement to SBSTA 51 (<i>For Endorsement</i>) - WGClimate Chair Handover	J. Schulz <i>Joint CEOS-CGMS WGClimate</i>
2.2	10:35	Global Climate Observing System (GCOS) Report (<i>For Information</i>) - 4 th Assessment Cycle - Status Report and Implementation Plan Update	C. Richter <i>WMO/GCOS</i>
10:50 — Break & Photo			

Session 3: Carbon			
3.1	11:15	CEOS Carbon Strategy - Action Status - Proposed New Activities (<i>For Endorsement</i>)	M. Dowell COM
3.2	11:35	Architecture for Monitoring Carbon Dioxide and Methane from Space - Status Update - GHG Roadmap (<i>For Endorsement</i>)	D. Crisp / M. Dowell
3.3	12:00	2019 Refinement of the IPCC Guidelines for GHG Inventories (<i>For Information</i>)	O. Ochiai JAXA
3.4	12:15	Update on CEOS Contributions to Forest Carbon Monitoring (GFOI/SDCG) - Updated CEOS Space Data Strategy for GFOI (<i>For Endorsement</i>) - Phase II R&D Programme for GFOI (<i>For Endorsement</i>)	O. Ochiai JAXA

Session 4: Agency and Partner Updates			
4.1	12:30	GEO Update (<i>For Information</i>)	
4.2	12:45	CEOS-GEO Report and GEO-XVI Plenary Preparations - GEO Programme Board Report (<i>For Information</i>) - GEO ExCom Report (<i>For Information</i>) - CEOS Statement to the GEO-XVI Plenary (<i>For Information</i>)	
13:15 – Lunch			
4.3	14:00	Agency and Partner Updates (<i>For Information</i>) - NOAA (C. Wooldridge) - ESA ()	
15:30 – Break			
4.4	15:50	Agency and Partner Updates (<i>Continued...</i>) - TBD	
18:00 – Adjourn			

Wednesday, October 16th

Plenary Day 2, Room:

Session 5: EO Data Access, Delivery, and Interoperability

5.1	09:00	WGISS Report (<i>For Information</i>) - WGISS Chair Handover	M. Albani <i>WGISS Chair</i>
5.2	09:15	CEOS Analysis Ready Data for Land (CARD4L) Status Report (<i>For Information</i>)	S. Labahn <i>LSI-VC</i>
5.3	09:35	Broader CEOS ARD Strategy (<i>For Endorsement</i>)	A. Held <i>SIT Vice Chair</i>

10:00 — Break

Session 6: Working Groups, Virtual Constellations and Ad Hoc Teams

6.1	10:55	WGCV Report	C. Ong <i>WGCV Chair</i>
6.2	11:10	WGCapD Report - WGCapD Chair Handover	P. Chauhan <i>WGCapD Chair</i>
6.3	11:25	WGDisasters Report - Updated Terms of Reference (<i>For Endorsement</i>) - WGDisasters Chair Handover	S. Zoffoli <i>WGDisasters Chair</i>
6.4	11:40	CEOS <i>Ad Hoc</i> Working Group on GEOGLAM Report - Response to the Updated GEOGLAM Observational Requirements (<i>For Endorsement</i>)	B. Doorn <i>CEOS-GEOGLAM ad hoc WG Co-Lead</i>
6.5	11:55	Sustainable Development Goals (SDG) <i>Ad Hoc</i> Team Report	A. Held / M. Paganini <i>SDG-AHT Co-Leads</i>
6.6	12:10	AC-VC Air Quality Constellation Validation Needs and Recommendations for Implementation (<i>For Endorsement</i>)	

12:30 — Lunch

6.7	13:30	Virtual Constellations - Issues, Discussion Points, and Decision Processes - Leadership Rotation Proposal (<i>For Endorsement</i>)	S. Volz <i>SIT Chair</i>
6.8	14:00	Proposals for a new Working Group on Information Provision and a merged Virtual Constellation for the ocean domain (<i>For Discussion and Decision</i>) - Study Team Findings and Outcomes	S. Volz <i>SIT Chair</i>
6.9	14:30	<i>Ad Hoc</i> Team Discussions and Decisions - SDCG-GFOI Continuity - <i>Ad Hoc</i> Working Group on GEOGLAM Continuity - SDG-AHT Continuity - Proposed <i>Ad Hoc</i> Team Initiation Cycle (<i>For Endorsement</i>)	S. Hosford <i>CEO</i>

Session 7: Other CEOS Business

7.1	15:00	CEOS Missions, Instruments, and Measurements (MIM) Database Report (<i>For Information</i>)	I. Petiteville <i>ESA</i>
7.2	15:15	CEOS Systems Engineering Office (SEO) Report (<i>For Information</i>)	B. Killough <i>SEO</i>

Session 8: Closing Business

8.1	15:30	Overview of CEOS Leadership (<i>For Discussion</i>) - Future CEOS Chairs - CEOS Executive Officer (CEO) - CEOS Deputy Executive Officer (DCEO)	P. A. Tuan <i>CEOS Chair</i>
15:30 — Break			
8.2	15:45	SIT Chair Handover	S. Volz <i>SIT Chair</i> A. Held <i>SIT Vice Chair</i>
8.3	15:50	CEOS Chair Handover	<i>2019 & 2020 CEOS Chairs</i>
8.4	15:55	Presentation by the 2020 CEOS Chair, ISRO	<i>2020 CEOS Chair</i>

8.5	16:10	Review of the 2019 CEOS Plenary Decisions and Actions	<i>2019 CEOS Chair Team</i>
8.6	16:20	Closing Remarks	<i>2019 CEOS Chair</i>
16:30 — Adjourn			

Meetings Open Only to the CEOS Secretariat and CEOS Troika Members		
17:00	257 th CEOS Secretariat Meeting (SEC-257)	
17:30	CEOS Troika #2	
18:00 — Adjourn		

Thursday, October 17th

Ha Long Bay Tour – Tentative Schedule

- 08:30** Pick-up at Pan Pacific Hotel.
- 11:30** Arrive at Tuan Chau, Ha Long tourism harbour.
- 12:00** Start cruise to Ha Long Bay. Lunch will be served during the cruise.
- 13:15** Visit Thien Cung Grotto.
- 16:15** Return to Ha Long tourist wharf and catch the bus back to Hanoi.
- 19:30** Arrive at Pan Pacific Hotel.