



Committee on Earth Observation Satellites

Technical Workshop

Opening Session

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SIT Chairs

CEOS SIT Technical Workshop 2020

Session 1.1, Opening Session

Virtual Meeting

8 September 2020





- **Welcome and Introductions**
- **Technical Workshop and Objectives**
 - Mapping to Plenary outcomes
- **Overview of Workshop agenda**
 - Logistics and session timing
- **SIT Chair priorities**
 - Progress, activities
- **SIT-35 Open Actions**
 - See backup slides for information
- **CEOS Work Plan**
 - Status and related Workshop outcomes

Introductions

The logo for CEOS (Committee on Earth and Environmental Sciences) features the letters 'CEOS' in a bold, green, sans-serif font. The letter 'O' is replaced by a small, realistic image of the Earth showing blue oceans and white clouds. The logo is set against a white circular background with a green border.

- **SIT Co-Chair will identify a participating CEOS Agency by name, and invite the Principal or head of delegation to introduce themselves**
 - The SIT Co-Chairs will follow alphabetical order in passing to registered CEOS Agencies
- **The Principal or head of delegation will identify themselves.**
 - Other participants from that agency will introduce themselves, noting any CEOS Leadership roles they occupy (e.g. Virtual Constellation Co-Lead, Working Group Chair, etc) **OR**
 - The Principal or head of delegation will identify their other attendees, potentially referring to a written list of attendees circulated in advance
- **The Principal or head of delegation will indicate that introductions for their Agency are complete**
- **Once all registered CEOS Agencies have had an opportunity to introduce themselves, there will be a final call for any other introductions**

- **Support progress of the CEOS Chair priorities for 2020**
- **Working Teams**
 - Showcase work
 - Identify Plenary issues
 - Support new initiatives (e.g., CEOS-COAST)
- **Support those activities related to CEOS relationships**
 - e.g. GEO, GCOS, UNFCCC
- **Understand progress against the CEOS Work Plan 2020-2022**
- **Progress SIT Chair Priorities in the 2020-2021 Prospectus**
 - Analysis Ready Data (ARD), Sustainable Development Goals (SDGs), and Carbon and Biomass
- **Support preparations for CEOS Plenary 2020**
- **Special session on COVID-19 and Earth observations**



- **2020 CEOS Chair Initiatives**
- **GHG Roadmap**
- **Agriculture, Forestry and Other Land Use (AFOLU) Roadmap**
- **CEOS Biomass Protocol**
- **UNFCCC Global Stocktake Process**
- **CEOS-COAST: strategy and future**
- **CEOS ARD Strategy**
- **SDG AHT: progress and future**
- **VCs and WGs: Vice Chairs, ToRs as necessary**
- **CEOS Org. Matters: CEO, future Chair, Ex Rq Process Paper**
- **Inputs to GEO and UNFCCC meetings**

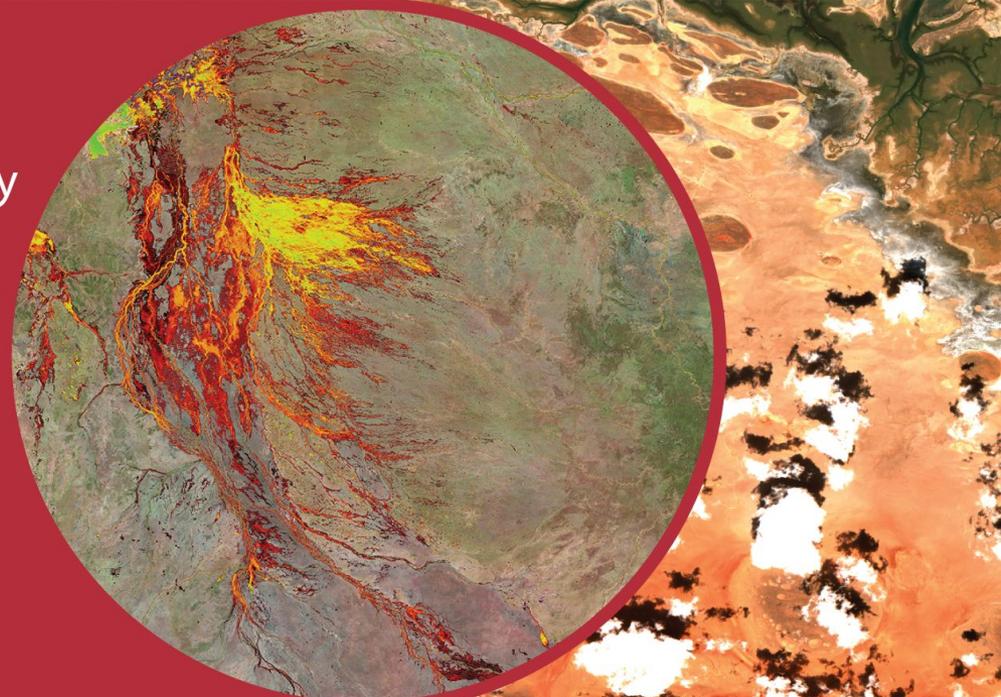
More from CEOS Chair (ISRO) in the next item



- ARD beyond land
- Early Progress on CEOS ARD Strategy (endorsed at Plenary 2019)
 - PFS (product family specifications) progress
 - ARD Private Sector Engagement Paper
 - Interoperability terminology report
- Pilots: DE-Africa

Analysis Ready Data

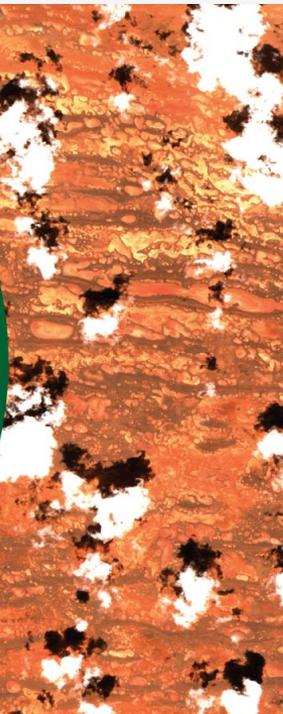
Implementation of a comprehensive Analysis Ready Data strategy for CEOS covering all aspects from user needs and specifications through to production and access, pilot activities, and communication and promotion.





- **CEOS Biomass Protocol and its implementation**
- **GHG and AFOLU Roadmaps - current and next actions**
- **Opportunity of UNFCCC Global Stocktake**
- **Key GCOS processes and documents, CEOS response**
- **External (incl UNFCCC sec) and internal sessions**

Integrated carbon cycle interface between CEOS and the UNFCCC, and accelerated policy relevance for CEOS Agency products, including for the Global Stocktake process.

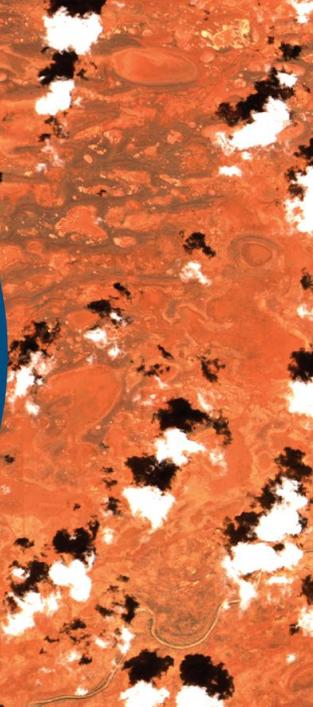
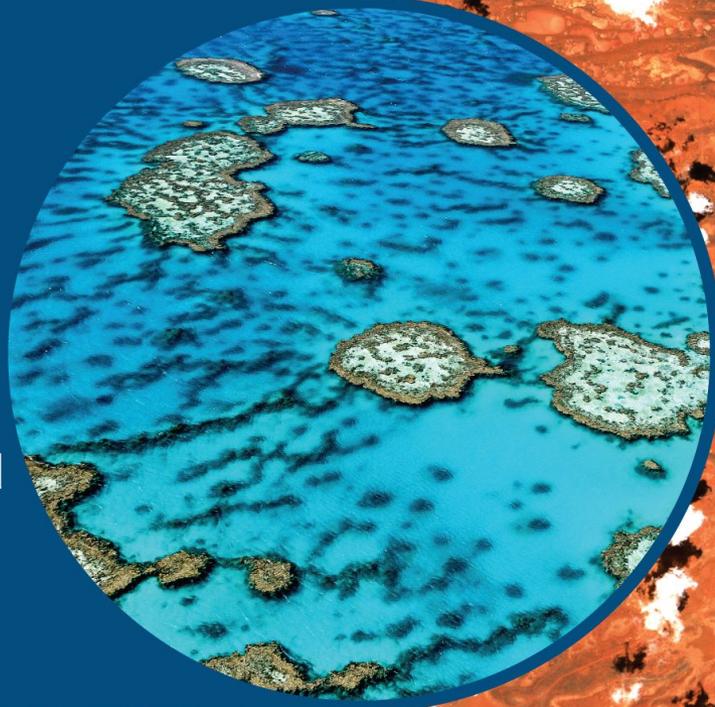


SIT Chair Priority: Sustainable Dev. Goals



- **SDG Data Supply Analysis and Strategy (available)**
- **SDG AHT Sub-Teams: status and progress**
- **Preferred option for future of SDG AHT**
- **Applications development**
- **Data, guides, and tools & contributions to GEO ‘Toolkits’**

Supporting the Group on Earth Observations (GEO) including its initiative on the Sustainable Development Goals (EO4SDG) with space-related data and tools.





Session 1.1:

1. Opening (this presentation)
2. CEOS Work Plan (K. Sawyer/CEO) [15 minutes]
3. SEO Report (B. Killough/SEO) [10 minutes]
4. Opening Comments/Questions (All) [10 minutes]

1.2: CEOS Chair Session (1h)

- Plenary Objectives
- 2020 CEOS Chair Initiatives

1.3: COVID and EO from Space (1h)

- Seed for Plenary Discussion?

1.4: CEOS-COAST (1h)

- Update and pilots
- Short and medium plans and next steps





Week 1: 7th-11th September 2020

UTC	Tuesday 8th	Wednesday 9th	UTC	Thursday 10th
1030 - 1125	1.1: Opening TW Session Introduction Objectives Agenda and Format Overview	2.1: Sustainable Development Goals	1030 - 1040	3.1 Working Teams Session Scene Setter
1125 - 1220	1.2: CEOS Chair Session		1040 - 1200	3.2: Working Groups Showcase
			1200 - 1220	3.3: Virtual Constellations Showcase
1220 - 1240	Break			
1240 - 1335	1.3: COVID and EO from Space	2.2: Analysis Ready Data: Beyond Land	1240 - 1430	3.4: Virtual Constellations Showcase (cont)
1335 - 1430	1.4: CEOS-COAST			



Week 2: 14th-18th September 2020

UTC	Tuesday 15th	UTC	Wednesday 16th	Thursday 17th
1015 -1245	4.1 Carbon and Biomass (External) 0615-0845 US East 1215-1445 Europe 2015-2145 Oz East	1030 - 1125	5.1: GEO Session	6.1: CEO Continuity 6.2: SIT TW 2020 Final Review Wrap Ups from Session Leads Discussion Actions to Plenary
		1125 - 1220		
	UTC 1245-1300: Break	1220 - 1240	Break	
1300 -1430	4.2: Carbon and Biomass (Internal) 0900-1030 US East 1500-1630 Europe 2200-2330 Oz East	1240 - 1335	5.2: Analysis Ready Data: CEOS Strategy and Industry Engagement	6.2: SIT TW 2020 Final Review (Continued) Wrap Ups from Session Leads Discussion Actions to Plenary
		1335 - 1430		

**SIT-35-07**

JAXA and ESA will lead the development of the proposed CEOS AFOLU Roadmap. First, they will assess the will, direction, and capacity of the relevant CEOS Agencies. The SIT Chair team will support communications with Principals and help to identify team nominees. A mature Roadmap will be presented to the SIT TW for discussion and a final version will be presented to the CEOS Plenary for consideration of endorsement.

SIT TW 2020

Rationale: UNFCCC Global Stocktake Process is a major opportunity for CEOS and its agencies to demonstrate the value of EO. GHG Roadmap model seen as an inspiring example for land and ocean carbon to follow if feasible. Significant effort is entailed so SIT Chair will help volunteers determine if the critical mass is assembled to justify proceeding.

- **External communication during Session 4.1**
- **Internal coordination during Session 4.2**



SIT-35-08

The SIT Chair Team to consider the potential for an activity to prototype the CEOS ARD approach for one exemplar ocean variable and one exemplar atmospheric variable. CEOS Agencies and Working Teams to indicate their interest in supporting such prototype work to the SIT Chair Team.

SIT TW 2020

Rationale: Discussions have revealed preliminary interest in the ARD concept beyond land variables, but practical exemplars would provide more evidence to support CEOS Agency consideration of further investment.

Session 2.2

- Discussion and perspectives on oceans and atmosphere
- Expansion of framework: definitions, additions, options



SIT-35-11

CEO to coordinate with GEO Secretariat to ensure both the GEO and CEOS Work Plans fully reflect and acknowledge the CEOS contribution to GEO objectives

Plenary

Rationale: As the space arm of GEO, a significant quantum of CEOS investment supports the GEO Work Programme. It is important this is clear to stakeholders.

- **Work Plan Update next**



SIT-35-02

SDG-AHT to provide an update on agencies and nominees contributing to the Subgroups.

SIT TW 2020

Rationale: Agencies are keen to see SDG-AHT progress towards a clear decision on its future at Plenary.

- **SDG AHG Subgroup update to be provided in Session 2.1**

SIT-35-06

SIT Chair Team to work with WGCV LPV Biomass Protocol team to prepare a simple business case to gauge support from CEOS Agencies at the SIT TW.

SIT TW 2020

Rationale: Biomass protocol aimed at ensuring policy relevance of many new missions of CEOS agencies. The SIT TW can prepare Principal discussion at Plenary.

- **Biomass Protocol implementation during ‘internal’ portion of Session 4 (4.2)**



SIT-35-14

CEO and SEO, in consultation with the SIT Chair, to consider consistent templates and DOIs for CEOS publications and their representation on the CEOS website.

SIT TW 2020

Rationale: A number of agencies have noted scope for improvement in consistency of CEOS thematic coordination strategies and their documentation, and also identified the need to make CEOS publications easier to reference and cite externally.

- **Added CEOS Thematic Observation Coordination space on CEOS website in coordination with the Working Teams to promote documents**
 - <http://ceos.org/observations/>
- **DOIs suggestion: lead CEOS agency for a publication should secure a DOI at the time of publication**



SIT-35-16

WGDisasters to prepare material to stimulate a discussion at the SIT TW discussion on CEOS ARD, specifically on how CEOS might work with commercial data providers in support of the possible operationalisation of the 'pilots'.

SIT TW 2020

Rationale: Disasters applications have a long heritage of using hi-res commercial data on a 'grant' basis in a pilot context. Operationalisation will require a different relationship.

- Private sector engagement paper in Session 5.2
- WGDisaster link - ?



SIT-35-18	<p>CEOS Chair (ISRO) and Incoming Chair (NASA) to work with CEOS SEC and SIT Chair to propose a mechanism to resource and fill the CEO role, based on the “sustainability suggestions” presented at SIT-35, by Plenary. The hope is to source a candidate in time for overlap with the current CEO stepping down in January 2021.</p>	SIT TW 2020
	<p><i>Rationale: Thus far all approaches to secure a candidate by traditional methods have been unsuccessful, and different options have arisen that merit consideration.</i></p>	

- **CEO Continuity update and discussion in Session 6.1**