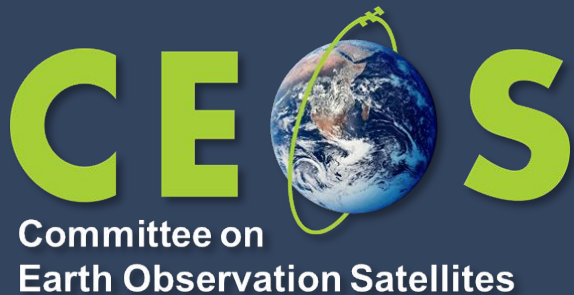


SIT Technical Workshop 2022

Summary of Outcomes



ESA SIT Chair Team

Report to WGClimate meeting

20th October 2022

An actual meeting!



- ❖ *Live and in person at ESA ESRIN in week of 12 September 2022*
- ❖ *About 60 in-person attendees and 60 more registered for online participation*
- ❖ *Great to be back!*



- ❖ *30 CEOS and GCOS TOPC representatives on Monday 12th Sep - reboot of the CEOS AFOLU Roadmap process*
- ❖ *Ben Poulter of NASA volunteered to be lead author*
- ❖ *Roadmap objectives*
 - *To provide a framework for long-term (~ 15+ years) coordination of CEOS agency observing programmes in support of the needs of society for AFOLU-related information, with a particular focus on the needs and ambition cycle of the Global Stocktake of the Paris Climate Agreement.*
 - *To serve as a guiding vision for long term space agency coordination around AFOLU. The Roadmap will: characterise the needs, the services and applications required; the products and observing systems that can support; and explain the need to plan for ground segment, space segment and services.*
 - *An effective means for communicating intentions to society, UNFCCC, national inventory community etc.*
 - *Addressing basic observation continuity and the necessary agency coordination to achieve it*
- ❖ *A 2035 fully coupled observation and modelling system for all sectors now the vision driver*

❖ Issue raised

- *USGS, ESA, GISTDA, NASA, CSA all provided perspectives on the New Space challenges and opportunities and their respective initiatives*
- *Several CEOS Team elevator pitches*
 - *CEOS-ARD supporting new space (ARD OG) - CEOS, has a key role to play in defining and supporting ARD for the community Incl. 'New Space'.*
 - *Data Standards (LSI-VC) - Increased coordination around CEOS' engagement with standards organisations would be beneficial. The OGC ARD Standards Working Group will be proceeding with their effort to define joint ISO and OGC standards for ARD based on CEOS-ARD. CEOS needs to be engaged and represented in this process.*
- *Supporting Smallsat Data Quality (WGCV)*

❖ Action and Decisions recorded

- *SIT Chair, in consultation with current and incoming CEOS Chair, and the SEO, to assemble a Task Team to further develop the 'New Space & Future CEOS' topics and initiatives and to report on progress to the 2023 CEOS Plenary in Thailand, with an update and discussion at SIT-38. (Task Team TOR etc to be confirmed at Biarritz Plenary).*

- ❖ *WGClimate report - Albrecht*
- ❖ *GHG Roadmap update - Mark; Team looking forward towards GST2 and beyond*
- ❖ *JRC Workshop update - Mark*
- ❖ *GCOS IP update - Anthony Rea*
- ❖ *IMEO Update: SIT Chair will follow up with relevant agencies and CEOS teams on the cooperation requests submitted by IMEO to CEOS through the recent letter and TW presentation and bring an update to CEOS Plenary*
- ❖ *Ocean Carbon from Space (Feb 22) => OCR-VC led CEOS Aquatic Carbon Roadmap*
- ❖ *GEO-TREES progressing (CNES support)*
- ❖ *WMO GHG Monitoring System update. WMO International Greenhouse Gas Monitoring Sympo in early 2023*
- ❖ *GEO Climate Change Working Group Subgroup on Adaptation Update - will participate in Earth Information Day 2022 with GEO initiatives (9 November - tbc) and there will be the GEOGLAM NAP guidance launch at a side event at COP27*

- ❖ *Biodiversity is likely to be one of the themes for CSA's Chair term 2024, taking advantage of the co-local of CSA and the UN CBD: Marie-Josée Bourassa and Gary Geller to collaborate on a proposal with TORs for an Ecosystem Extent Task Team, to be presented to CEOS Plenary*
- ❖ *Monitoring Surface PM2.5: An International Constellation Approach to Enhancing the Role of Satellite Observations. For endorsement at Plenary*
- ❖ *New SDG Coordination Group is working well & multiple potential future deliverables discussed this week. The SDG Coordination Team will discuss and review several potential activities for the 2023 CEOS Workplan and present a proposal at CEOS Plenary.*
- ❖ *COAST AHT Leads to prepare an agenda item for the 2022 CEOS Plenary seeking a decision to extend the AHT for another year.*

❖ Issue raised

- ***Priority #1: Ensuring Long-term Sustainability of CEOS Strategies***
- ***Priority #2: CEOS Support to the UNFCCC Global Stocktake***
- ***Priority #3: Support to CEOS Cal-Val Initiatives***
- ***2022 CEOS Plenary will be held at The Bellevue Congress Centre in Biarritz, France. The dates are November 29th - December 1st, 2022. Attendees should register before the end of September and advise CNES of any side meeting needs as soon as possible.***

❖ Issue raised

- ***Priority #1: Supporting CEOS Preparations and Inputs to the Global Stocktake of the UNFCCC Paris Agreement***
 - ***GISTDA-Silvacarbon 2023 CEOS Workshop on National Forest Inventories & Mangrove Techniques (Feb 2023)***
- ***Priority #2: Supporting Exploration of New Geometries for Space Agencies and CEOS with New Space Companies.***

❖ Action and Decisions recorded

- ***CEOS Agencies are asked to flag their interest in participating and contributing datasets, tools, and expertise to support the objectives of the GISTDA-Silvacarbon 2023 CEOS Workshop on National Forest Inventories & Mangrove Techniques (Feb 2023, Thailand).***

- ❖ *Week 27 March 2023*
- ❖ *ESA-ESRIN*