

CEOS SEC-264 Report

(two pages max.)

Entity: CEO

Prepared By: Kerry Sawyer (NOAA)

Updates on issues raised during the last CEOS SEC teleconference

(Dot points)

- None

Issues requiring discussion/decision during current CEOS SEC teleconference

(Dot points)

- CEOS 2020-2022 Work Plan
 - Still under development. As reported during SIT-35, shooting for draft available 15 April for review by CEOS Entities and version for virtual endorsement by 15 May
 - Will reach out individually to each Entity asking for updates to short intro paragraphs in the Word Work Plan for relevant sections; expectation to keep the information in the Word Work Plan brief with focus on keeping the information on the online CEOS Deliverables Tracking Tool current and updated at regular intervals
 - Expect to prepare a *Responsibilities and User Guide* for the online Deliverables Tracking Tool
- GEO Working Groups Action
 - Sent email to CEOS community on 27 March with suspense of 15 April in response to request from GEO Secretariat for GEO Members and PO to nominate individuals to participate in the four GEO Working Groups that were created under the *GEO Engagement Priorities Coordination* and *GEOSS Data, Information and Knowledge Resources Foundational Tasks of the 2020-2022 GEO Work Programme*. The four Working Groups are: Capacity Development Working Group (CD-WG), Climate Change Working Group (CC-WG), Disaster Risk Reduction Working Group (DRR-WG), and the Data Working Group (Data-WG).
 - CEO requested **two actions** of the CEOS community:
 - **ACTION 1.** Identify experts to participate in the four GEO Working Groups on behalf of CEOS. As discussed during our virtual SIT-35 meeting, we believe representatives from WGCapD, WGISS, and WGDIsasters would be best suited to participate in the CD-WG, Data-WG, and DRR-WG, respectively, but welcome any interested individuals. Jörg Schulz has already identified the WGClimate Chair to participate in the CC-WG (thank you, Jörg). Please provide the name and email address, along with the name of the Working Group for which the person would like to participate to the CEO (kerry.sawyer@noaa.gov) and SIT Chair Team Representative (jonathon.ross@ga.gov.au) by **15 April 2020**. CEOS Chair will prepare one nomination message for all Working Groups.
 - **ACTION 2.** Ask that any CEOS Agencies that will be nominating representatives to participate in the WGs on behalf of their parent agency or member country to please inform CEOS leadership.
 - Additional information: expect 3-5% time for anyone involved in the WG with approximately six phone calls of no more than 2 hours each; no required additional travel;
 - Per decision from ExCom, POs will be limited to two participants per WG!

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)

- See calendar

Attachments

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

CEOS SEC-264 Report

Entity: SIT Chair Team

Prepared By: J. Ross (GA)

Updates on issues raised during the last CEOS SEC teleconference

- **263-01:** Adam is following up with Chuck Wooldridge and Steve Volz to finalise the draft response to IOC on the Decade of Ocean Science, and will circulate it for review by CEOS SEC when ready.
- **CEOS-33-13:** All Virtual Constellations to review, update, and revise their respective Terms of Reference, as appropriate. The SIT Chair Team notes that some VCs have already recently updated their ToR, and would appreciate it if they simply confirm that they are comfortable with what is already in place. **The SIT Chair has sent a reminder to VC Leads.**

Issues requiring discussion/decision during current CEOS SEC teleconference

- The draft decisions and actions from SIT-35 are attached to this report. These have been available to all for review since the SIT-35 meeting. Final SEC feedback is requested by COB (Canberra time) on 14 April, after which the SIT Chair Team will release the document to the community as a final version. Click here to view and comment:
https://docs.google.com/document/d/1m9EFNaICntiESe68_-MhZa9ADn5x_veddwdGOPQsSgo/edit#
- o Reminder: the deadline for feedback on the [CEOS Analysis Ready Data – Involving the Private Sector](#) paper is 17 April.
- The draft SIT-35 minutes are linked below for any urgent CEOS SEC feedback within one week (by COB Friday 17th April). Following this review period, an updated draft will be circulated to the broader SIT-35 participant list. SEC will have another opportunity to edit the minutes in detail during the broader review cycle in parallel with the rest of the CEOS community. Click here to view and comment:
https://docs.google.com/document/d/1O9rX5Gfz7lVvr_2Vq2SHfoPa5sdovAViiFJ9nrXob28/edit?usp=sharing

Other highlights, activities, actions, projects, collaborations

- The SIT Chair Team conducted a post-meeting survey on SIT-35. Some key findings out of the 26 responses were:
 - o Respondents agreed that the virtual format for the meeting worked well. The use of Sli.do was particularly well received. The SIT Chair Team will use it for future meetings.
 - o Participants typically felt that the content was suitable for a Principal-level SIT meeting. It was recognised that the agenda was perhaps too densely populated, limiting discussion time. Consideration could be given to additional days in future to alleviate the time constraints, but the ability of

Principals to participate for additional days or longer sessions would need to be carefully considered.

- Regarding the topics, a couple of comments indicated that more time could be allocated for the CEOS working teams to present.
- It was noted, consistent with feedback from almost all previous CEOS meetings, that it would be good for presentations to have a clear series of suggested actions or proposals, or specific calls for advice from participants. The additional importance of this being available 'in advance' of a virtual only meeting was highlighted.
- Respondents suggested accommodating virtual participation at this level (e.g., Slido commenting) at future physical meetings.

Upcoming meetings or events

- CEOS Working Teams All Hands Call #2 (VCs, WGs, AHTs): Tuesday 19 May 2020, 7:00 am US East

CEOS SEC-264 Report – April 2020

Entity: SEO

Prepared By: Brian Killough (NASA)

Issues requiring discussion/decision during CEOS SEC teleconference

- None

Updates on issues raised during the last CEOS SEC teleconference

- None

Upcoming meetings or events

- None

Other highlights, activities, actions, projects, collaborations

- The SEO is working with WGISS to explore options for a new CEOS data testing and prototyping hub that will use Jupyter notebooks and the Open Data Cube. Such a concept will also be ideal for testing ARD (LSI-VC task), supporting the COAST initiative, supporting Jupyter notebook training (WGCapD deliverable).
- The "CEOS External Request Process Paper" team released a first draft of the process paper for the SIT 2020 meeting. Representatives from NASA, NOAA, GA, ESA, ISRO, EC and JAXA are on the team. Progress continues on this task and a second draft will be ready for the SIT-TW.

CEOS SEC 264 Report

(two pages max.)

Entity: WGClimate

Prepared By: Jörg Schulz (EUMETSAT), Chair

Updates on issues raised during the last CEOS SEC teleconference

(Dot points)

- none

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)

- ECV Inventory #3 close to publication, but slightly hampered by COVID-19 that reduces availability of contractors working on it. Action 238-07 will be addressed the moment we know a date;
- Gap analysis report and action plan drafting continued, version for review should be available for rescheduled WGClimate #12, 5-7 May;
- Warmed up interaction with GCOS after SIT-35, ensured participation in WGClimate#12 to discuss requirements setting and GCOS status plan;
- Gratefully received offer from NASA to provide alternate (Wenying Su) for WGClimate in CEOS Climate Change Working Group. Will forward confirmation by 15 April after loop through WGClimate.

Upcoming meetings or events

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

- Next WGClimate#12 meeting has been rescheduled as virtual meeting from 5-7 May 2020. Agenda and technical guidelines will follow soon;
- WGClimate#13 meeting is planned for in between the SIT TW and the CEOS Plenary (TBC)

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

CEOS SEC Report

(two pages max.)

Entity: WGDisasters Chair Team

Prepared By: NASA

Updates on issues raised during the last CEOS SEC teleconference

(Dot points)

- No updates

Issues requiring discussion/decision during current CEOS SEC teleconference

(Dot points)

- No issues

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)

- WGDisasters is updating the CEOS Disaster Risk Management Observation Strategy document that led to the original endorsement of the establishment of the WG in 2013. The WG intends to submit the new document for review at SIT TW, and for endorsement at Plenary.
- GEO/LEO/SAR Flood Pilot continues development and will explore the feasibility of integrating LEO-GEO optical with multi-frequency and multi-sensor SAR flood observations. During the Side Meeting held before WGDisasters-13, strong support in the form of relevant data sharing and case study formulation was voiced by a number of WGDisasters member agencies.
- WGDisasters continues to attend and contribute to CEOS COAST telecons, focusing on anthropogenic impacts of coastal disasters, and identifying integration opportunities with the GEO/LEO/SAR Flood Pilot.

Upcoming meetings or events

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

- WGISS-49
 - Virtual Meeting
 - 21-23 April 2020 (WGDisasters presentation to identify integration opportunities)
- Global Flood Partnership Annual Meeting
 - Paris, France
 - 28-30 September 2020
- Understanding Risk Forum
 - Singapore
 - 30 Nov – 4 Dec 2020

CEOS SEC Report

(two pages max.)

Entity: WGISS (Working Group on Information System and Services)

Prepared By: Robert Woodcock – Chair (CSIRO)

Updates on issues raised during the last CEOS SEC teleconference

(Dot points)

- None

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)

- As with all CEOS meetings in response to COVID19 WGISS 49 has been reorganised to be a virtual only meeting. The meeting has been shortened substantially to reduce the challenge of long video conferencing sessions. The agenda still support broad representation from CEOS agencies in key areas of development and the current draft can be found at <http://ceos.org/meetings/wgiss-49/>.
- WGISS would like to thank the SIT35 organisers for the development of the virtual meeting logistics document and the demonstration at SIT 35 of its use. Given the success of virtual SIT35, WGISS is modelling its meeting on this approach along with some additional learnings from WGCapD's virtual meetings.

Upcoming meetings or events

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

- WGISS49 Virtual meeting April 21st – 22nd

Attachments

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

CEOS SEC-264 Report

(two pages max.)

Entity: WGCapD

Prepared By: Nancy Searby (Chair/NASA) and Pham Thy (Vice Chair/VNSC)

Updates on issues raised during the last CEOS SEC teleconference

(Dot points)

- None

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)

- The WGCapD-9 Annual Meeting took place virtually March 10-12th and guided by the theme, “Identifying Opportunities for Synergies and Innovation.”
 - More than 30 participants consistently attended each session with a total of 57 meeting registrants.
 - Meeting Report has been drafted and is in review.
 - Post-meeting survey distributed to participants requesting feedback on format and on topics and dates for a fall 2020 meeting.
 - 19 respondents and 4.7/5 rating for meeting overall
 - Compiled a lessons learned document for the virtual approach that has been shared with other WGs planning virtual meetings, e.g. WGISS.
 - All presentations available on the [meeting webpage](#).
- Minor updates to the [WGCapD webpage](#) include:
 - *E-Learning Page*: Added additional training events and reports
 - *Resources Section*: added more resource links
- Space Capacity Development Advisory Board (SCDAB) – working to compile a document that outlines ongoing efforts within the nexus of EO and capacity development related to several SDGs (2 Zero Hunger, 7 Affordable and Clean Energy, 5 Gender Equality with 4 Quality Education, and 11 Sustainable Cities and Communities).
 - The manuscript, which resulted from completing CEOS work plan deliverable CB-37: White paper describing how CB networks, e.g. UN’s, can work together with WGCapD (completed in Q2 and provided to SIT), was formally published in February 2020 in [Space Policy](#)
- Deliverable Work Plan: revisiting carry-over deliverables and newly planned deliverables for modifications to deadlines due to delays and coronavirus complications. Plan to coordinate with CEO once list is complete.

CEOS SEC Report

(two pages max.)

Entity: WGCV

Prepared By: Cindy Ong (CSIRO), Akihiko Kuze (JAXA)

Updates on issues raised during the last CEOS SEC teleconference

(Dot points)

- Action SEC 260-03 for WGCV to share the recordings of the Earth Observation Australia teleconference: Understanding Biomass – The Importance of Satellite-derived Products and Global Collaboration is now closed. The recordings will be made available on the WGCV webpage as well as the calval portal.
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Issues requiring discussion/decision during current CEOS SEC teleconference

(Dot points)

- In view of the worldwide unprecedented situation, WGCV has decided to make WGCV46 a virtual meeting. This will be a much scaled down meeting. The dates of the meeting are still being determine.
- WGCV and WGISS together with their host ROSCOSMOS are monitoring the situation around COVID-19 for joint WGCV/WGISS joint meeting (WGCV47) to be held in Sochi in September. A decision point has been set for mid May.

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)

- Renewed interest from OSWV VC and ISRO to revisit collaborative efforts on the quality control of the microwave scatterometry for OSVW. A poll has already been sent to determine the next available opportunity for a virtual meeting.

Upcoming meetings or events

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

- CEOS WGCV Plenary #46 will now be a virtual meeting. Dates: TBA 22 June 2020
- CEOS WGCV Plenary #47 September 14th - 18th, 2020, Sochi, Russia (TBA depending on COVID-19 circumstances)
- CEOS WGCV Plenary #48 March 2021, Caltech, Pasadena
- CEOS WGCV Plenary #49 September 2021, Tokyo, Japan

Attachments

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

CEOS SEC-264 Report

April 2020

Entity: SDG AHT

Prepared By: Flora Kerblat (CSIRO)

Updates on issues raised during the last CEOS SEC teleconference

- No update

Issues requiring discussion/decision during current CEOS SEC teleconference

- According to SIT-35 minutes decisions/actions that have been distributed to SEC (to be shared with the broader community after SEC):

SIT-35-01: CEOS Agencies are **invited to consider nominations for representatives and co-leads for the SDG Ad Hoc Team subgroups** (with Water, Urban and Land degradation focus) and to share agency activities of relevance to the AHT efforts on specific indicators.

The SDG AHT co-leads have been reaching out to some agencies, but hopefully nominations will be confirmed soon.

Other highlights, activities, actions, projects, collaborations

- Updated information shared with the AHT members with requests on nominations for the subgroups + preferences on SDG AHT evolution scenarios. Future of SDG AHT will be discussed at SIT Technical Workshop and presented to Principals
- Subgroups to be formally setup and kick-off work on 6.6.1 (water), 11.3.1 (urban) and 15.3.1 (land degradation) to deliver reliable, up-to-date and easily accessible information for the GEO SDG Toolkits. Next AHT Call on 21st April will be essentially dedicated to the set up and terms of reference of the 3 subgroups.
- The CEOS COAST Study Team in close cooperation with GEO Blue Planet will cover SDG indicator 14.1.1 (coastal eutrophication and plastic debris), but close coordination with SDG-AHT is required to follow an harmonised workflows across SDGs.
- Work with GEO EO4SDG on the SDG Toolkits initiated. SDG-AHT members (NASA, SANSA and ESA) participated in the first meeting of the GEO EO4SDG expert group that will develop the SDG 11 Toolkit in cooperation with UN Habitat.
- Work with the GEO specialised initiatives on the satellite data requirements initiated, including the list of CEOS Core missions matching with SDG indicators data needs, and refining the "Requirements templates" for GEO and the AHT subgroups (on water, urbanisation and land degradation). Discussions have started with the GEO LDN Data Quality Standards (QDS) Working Group on the Satellite Data Requirements for SDG 15.3.1 (Land Degradation).
- As mentioned at SIT-35, a draft [Data Supply Analysis and Strategy](#) is being reviewed by the AHT members (comments and feedback to be received by 20th April) - version 1 to be ready by June.

- More collaboration planned with GPSDD and WGCapD to get training more visible amongst the SDG community.
- Discussion with WGISS on EO enabling infrastructures is on-going.
- RSE Special Issue on SDG (high level paper) at its final editing stage

Upcoming meetings or events

- Next SDG AHT call on 21st April
- Participation in the monthly GEO EO4SDG meeting
- Participation in the monthly SDG 11 Toolkit meeting.