

CEOS SEC-284 Report

Entity: SIT Chair Team

Prepared By: J. Ross (GA) & CSIRO

Updates on issues raised during the last CEOS SEC teleconference

- In relation to action 283-02 (WMO Data Policy), the CEOS Chair and SIT Chair Teams are consulting on the best way forward. Additionally, the SIT Chair Team is seeking further information from the Australian delegation to WMO.

Issues requiring discussion/decision during current CEOS SEC teleconference

- Nil. The SIT Chair Team is focussed on preparations for the CEOS Plenary.

Other highlights, activities, actions, projects, collaborations

Handover

- SIT Chair will shortly start the handover process for key responsibilities to the incoming SIT Chair, including around CEOS representation to the GEO Executive Committee.

Carbon & Biomass

- The full session at SIT TW was most productive. There was significant interest generated by our guest speakers from the International Methane Emissions Observatory (IMEO). SIT Chair Team will follow up with UNEP and GHGSat and pass the baton to ESA incoming SIT Chair Team to take forward.
- Prototype products for both GHG and AFOLU have been readied for the COP-26. SIT Chair Team has been working with the product teams to develop a CEOS data portal for the GST as a one-stop place for countries seeking for EO data in support of their reporting. This will be available in English, French and Spanish in time for COP-26.
- The Draft CEOS Strategy to Support the Global Stocktake of the UNFCCC Paris Agreement was updated and the actions migrated to the CEOS Work Plan with support from ESA and CEO. This will be on the Plenary agenda for endorsement and incoming SIT Chair will continue to steward the strategy and action execution.

SDGs

- The SDG side-meeting and the SIT TW session allowed us to hear from sub-teams co-leads about their current work, take stock of the deliverables' status, and to further discuss and agree on the future option called 'Federated approach' that will be recommended at Plenary for approval.
- Some actions came out of this: we held a meeting with key CEOS people (incl. SDG co-leads, SEO, CEO, incoming SIT Chair, Chair) to define the outline and agree on the way forward to develop a SDG Strategy implementation before the Plenary.
- The document, which includes an executive summary, is currently being finalised and aims to be sent to Principals by the end of next week.
- The SEO and the current SDG co-leads will also hold other meetings to prepare a smooth transition to the new mechanism, with the hope that most can still be involved.

ARD

- Finalising the CEOS ARD Strategy 2021, CEOS ARD Governance Framework, and template Product Family Specification (PFS) for CEOS Plenary. Many thanks to those that have provided feedback so far.
- Continue to welcome nominations for the proposed CEOS ARD Oversight Group.

CEOS SEC-281 Report

Entity: CEO

Prepared By: Marie-Claire Greening

Updates on issues raised during the last CEOS SEC teleconference (Dot points)

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|---------------|--|--|
| 281-01 | CEOS Executive Officer, with support from the CEOS Chair and SIT Chair teams, to consider the preparation of CEOS inputs for GEO Week 2021. | Completed <i>The CEOS Statement to GEO Week 2021 was submitted to the GEO Secretariat on Sept. 30.</i> |
| 281-02 | WGDisasters Chair to connect with the CEOS Chair and CEO on the matter of engagement and potential data sharing agreements with entities in the commercial sector. | In Progress <i>WGDisasters Chair team has discussed this action with the CEOS Chair Team and is also following up within the Working Group. This topic is on the agenda for SEC-283.</i> |
| 282-02 | CEOS Agencies that will be represented at COP26 to inform Marie-Claire Greening of their delegations. | Open <i>CEOS Agencies are reminded to let the CEO know of their plans for COP26.</i> |
| 283-01 | CEO to review the CEOS Statement to GEO Week and the included reference to 'open science' and consider the alternate, broader terminology 'open knowledge'. | Completed <i>In consultation with Doug Cripe (GEO Sec), one sentence was reworded to take this new focus for GEO into account. The CEOS Statement to GEO Week 2021 was submitted to the GEO Secretariat on Sept. 30.</i> |

Issues requiring discussion/decision during current CEOS SEC teleconference (Dot points)

- **GEO Programme Board**
 - A *GEO Statement on Open Knowledge* was presented to GEO PB members for review and comment (the CEOS SIT chair designees, and the CEO, sit on the GEO PB; CEOS is a Participating Organisation to the PB). Subsequent to the PB, the statement was amended slightly to take account of some concerns by PB members. This slightly revised version was sent round to the CEOS SEC for comment on 07Oct21. Comments on this statement are due with the CEO by 14Oct21, or direct to the GEO Secretariat by 15Oct21. Once approved, the statement will be put forward for endorsement by the GEO Executive Committee (the CEOS SIT chair sits on the GEO ExComm; CEOS is an observer to the GEO ExComm).

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)

- GEO Programme Board #21 (28– 30 September)
- CEOS COAST Products Showcase hosted by GEO (5 October)
- WGClimate-15 (7 – 8 October)

Upcoming meetings or events

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

- WGISS-52 (19 – 21 October)
- IAC-72 (25 – 29 October)
- UNFCCC COP-26 (31 October – 12 November)
- CEOS 35th Plenary (1 – 4 November)
- GEO Week 2021 / GEO-XVII and ECom-56 (22 – 26 November)

Attachments

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

- Updated CEOS calendar of meetings / events attached to the SEC agenda. If any key meetings or events are missing from the calendar, please contact Marie-Claire.

CEOS SEC Report

(two pages max.)

Entity: WGDDisasters

Prepared By: David Green (NASA), Pierric Ferrier (CNES)

Updates on issues raised during the last CEOS SEC teleconference

(Dot points)

- CEOS SEC Action 281-02
 - WGDDisasters Chair to connect with the CEOS Chair and CEO on the matter of engagement and potential data sharing agreements with entities in the commercial sector.

WGDDisasters initially reported on this topic during a previous SEC meeting for general awareness. However, WGDDisasters understands that CEOS does not enter into data sharing agreements because it is not a legal entity. WGDDisasters Chair has connected with the CEOS Chair and CEO regarding this action, and therefore ask that this action be closed.

Issues requiring discussion/decision during current CEOS SEC teleconference

(Dot points)

- N/A

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)

- N/A

Upcoming meetings or events

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

- N/A

CEOS SEC Report

(two pages max.)

Entity: WGClimate

Prepared By: Albrecht von Bargaen (DLR), Jeff Privette (NOAA)

Updates on issues raised during the last CEOS SEC teleconference
(Dot points)

Issues requiring discussion/decision during current CEOS SEC teleconference
(Dot points)

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 statement for CEOS & CGMS for COP had been prepared, moved throughout the approval cycle of CEOS and CGMS, and is now – after consolidation with CEOS chair team – in coordination with the US State Department; to be submitted on October 15th, 2021, to UNFCCC
- 15th meeting of WGClimate during 7th / 8th October including
 - Update of action items
 - ECV inventory status and gap analysis progress
 - Proposal for gap analysis workshop wrt Carbon Cycle ECVs (encompassing eventually also variables which are not covered by the ECV listing): how to find a step-wise approach for the organization
 - Use case update: 18 use cases currently under review; 7 ready for publication; awaiting other announced use cases
 - GHG task team meeting report / information about GEO Climate workshop
 - Information topic: AFOLU roadmap team
 - COP-26 preparation: update on Earth Information Day and other events of interests
- GHG Task Team meeting
 - Progress report
 - Announcement of AFOLU workshop (virtual) which will be held on November 12/15/16, 2021
- Use Case web publication: Use Cases in review (ongoing), initial set selected to be edited for website publication and under website implementation by NOAA/NCEI
- The observation synthesis report for Global Stocktake will be a community-drafted whitepaper addressing UNFCCC; organization of the writing team is now with Frank Martin Seifert (ESA) and David Crisp (NASA); excellent progress also

thanks to the coordination effort; current goal is a first draft at COP-26 with the aim of having a consolidation for submission end of January 2022.

- Further informal contact with UNFCCC on COP-26

Upcoming meetings or events

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

- (22-25) February 2022: WGClimate gap analysis workshop wrt Carbon Cycle ECVs
Agencies invited to nominate experts

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: 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)

- N/A

Issues requiring discussion/decision during current CEOS SEC teleconference

(Dot points)

- N/A

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)

- CEOS Earth Analytics Interoperability Laboratory – WG Disasters, and CEOS COAST groups additional training on EAIL usage is expected to occur in Early November. EAIL is now using the USGS Landsat STAC API for dataset.

- WGISS 52 is next week (19th-21st October) and the agenda is now very full

(<https://ceos.org/meetings/wgiss-52/>). Highlighted topics:

- Enabling Open Science session
- Discovery of services, along with data
- Data deployments in the Cloud
- Jupyter Notebook Best Practice
- Blockchain and Machine Learning technology exploration
- Data quality assessment, indicators and authenticity on Cloud

Upcoming meetings or events

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

- WGISS-52 19th-21 October 2021 - Virtual
- WGISS-53 – Joint WGCV (tentative) Week starting 21st March 2022 – Tokyo+Virtual

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: WGCapD

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

Updates on issues raised during the last CEOS SEC teleconference

(Dot points)

- WGCapD is still seeking candidates for the Vice Chair position.

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)

- WGCapD members are working on executing the 2021-2023 work plan that includes 32 deliverables (21 to be implemented in 2021 calendar year, 10 – in 2022, 1 – in 2023). Seven deliverables originally planned for 2021 have been postponed until 2022, one has been cancelled - CB Support to AGEOS on Forest Monitoring in Gabon (CB-20-17)
- The Land Cover and Land Use Change MOOC (CB-18-09) deliverable is now closed following the launch of the MOOC on the EO College site at <https://eo-college.org/courses/landinfocus>.
- The meeting report from WGCapD Work Planning meeting that took place on September 8-9 is available [HERE](#). Members have been encouraged to submit suggestions and find collaborators for the new deliverables for the 2022-2024 CEOS Work Plan in the shared [document](#) by our internal November 17th deadline.
- The EOTEC DevNet Pilot Initiation Summary [report](#) is being finalized for CEOS Plenary endorsement. Once endorsed, EOTEC DevNet would continue into Phase 2 through Mar 2023.

Upcoming meetings or events

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

- The next monthly meeting of WGCapD is being rescheduled to avoid a conflict with the CEOS Plenary.

CEOS SEC Report

(two pages max.)

Entity: WGCV

Prepared By: Akihiko Kuze (JAXA) Philippe Goryl (ESA)

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)

- Update on RadCalNet Guidance document describing new site acceptance process
- Vicarious calibration (VCAL) Portal for Spaceborne GHG sensors becomes available at https://www.eorc.jaxa.jp/GOSAT/GHG_Vical/index.html
- Joined GHG Task Team Meeting in Advance of WGClimate on Oct .6
- To consider nominations for the WGCV Vice Chair (October 2022 to October 2024).

Upcoming meetings or events

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

- -Joining the session on data quality self-assessment and indicators of WGISS-52 on Oct. 21,
- WGCV-50: March 21-24, 2022, (Tokyo, Japan) (Hybrid) proposing joint meeting with WGISS

CEOS SEC Report

For CEOS SEC-284

Entity: CEOS Chair Team

Prepared By: NASA

Updates on issues raised during the last CEOS SEC teleconference (Dot points)

- ❖ Applications for CEOS Associate
 - ❖ Thanks to Marie-Claire for coordinating with Portugal Space and the European Centre for Medium-Range Weather Forecasts (ECMWF) on their participation at the CEOS Plenary.
- ❖ Incoming CEOS Chair (CNES) and Nomination for 2023 CEOS Chair (GISTDA)
 - ❖ Thanks to Marie-Claire for coordinating with CNES and GISTDA on their participation at the CEOS Plenary.
- ❖ CEOS Plenary (Nov. 1-4)
 - ❖ Start Times:
 - 1 Nov: Start 4am Los Angeles, 7am Washington DC, 4.30pm Delhi, 8pm Tokyo, 10pm Canberra
 - 2 Nov: Start 2pm Los Angeles, 5pm Washington DC, 2.30am Delhi, 6am Tokyo, 8am Canberra
 - 3 Nov: Start 2pm Los Angeles, 5pm Washington DC, 2.30am Delhi, 6am Tokyo, 8am Canberra
 - 4 Nov: Start 4am Los Angeles, 7am Washington DC, 4.30pm Delhi, 8pm Tokyo, 10pm Canberra
 - ❖ As we have noted in the Sec and in the “SAVE THE DATE” message to the CEOS community sent on August 10th, for well over a year, many CEOS colleagues across the world have endured hardships to both lead and participate in CEOS meetings. This is an effort to make more equitable the burden of all.
 - ❖ The CEOS Plenary Agenda is built around four sessions:
 - Session 1: CEOS Core Business
 - Session 2: CEOS Support for Key Stakeholders and Global Agendas
 - Session 3: Partnering with Purpose for Open Science and Decision Support
 - Session 4: CEOS Leadership Transitions and Closing Business
 - ❖ The Draft Plenary Agenda was distributed to the CEOS community yesterday for comment by end of the evening on Mon., October 18 in the Eastern U.S. time zone. A new presentation template was posted on the CEOS Plenary webpage yesterday. The final agenda and a meeting protocol document will be posted on the CEOS Plenary webpage.
 - ❖ The Chair team has already posted on the CEOS Plenary webpage many of the:
 - Documents for CEOS Plenary Endorsement
 - Documents for Information/Reference
 - Nominations for CEOS Plenary Endorsement
- ❖ Statements
 - ❖ For SBSTA - Thanks to Albrecht von Barga and Jeff Privette for an excellent draft SBSTA Statement nearly finalized. Our update is that the U.S. State Department point of contact has reconfirmed that a member of the U.S. delegation will read the final version of the statement during the SBSTA meeting.
 - ❖ For GEO Week – Thanks to Marie-Claire for submitting the CEOS Statement for GEO Week to the appropriate contact at GEO.
- ❖ WGCapD
 - ❖ As we reported on Sept. 23, the CEOS Chair sent a letter to Andiswa Mlisa, CEOS Principal from SANSA, to encourage them to consider a nomination for WGCapD Vice

Chair for two years and WGCapD Chair for two years. Nancy Searby will mention this during her report.

**Issues requiring discussion/decision during current CEOS SEC teleconference
(Dot points)**

- ❖ As noted on the final SEC-284 meeting agenda.

**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)**

**Upcoming meetings or events
(Dot points, e.g. meetings, conferences of relevance, visits)**

- ❖ 2nd Climate Observations Conference of CGMS and WCRP (moved to 2022).
- ❖ IAC (Oct. 25-29; Dubai): The CEOS Chair has been invited to give a presentation on “Earth Observation International Cooperation” during Session B1.1. on Monday, Oct. 25. The segment consists of 30 minutes (presentation and Q & A). *The presentation is under review. Thanks to Marie-Claire for carefully reviewing what has been done in past years in order to inform and develop this year’s presentation for the CEOS Chair, Karen St. Germain.*
- ❖ COP26 (Nov. 1-12; Glasgow): As noted above, we contacted the U.S. Department of State regarding the Annual Joint Statement from Space Agencies to SBSTA. Last week, they confirmed that a member of the U.S. Delegation will deliver the Joint Statement.

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