

CEOS SEC Report

Entity: SIT Chair Team

Highlights, activities, actions, projects, collaborations

- **VC reports to SEC:** Per action CEOS-33-12 around engaging VCs, the first VC brief reports to CEOS SEC will happen on this call. Feedback is welcome on the process from SEC.
- **SIT-35 schedule and approach:**
 - Invitation and visa letter with accommodation link etc will be provided pre-xmas
 - A reminder will be provided in mid-Jan (end Jan is the expiry of discounted accommodation rates)
 - A 2nd letter with full objectives and agenda & detailed logistics will be provided by end Feb (SEC will be in the loop prior for agenda review)
 - As advertised in our prospectus, the Australian SIT Chair team aims to apply the following principles to the SIT meetings of its term:
 - less reporting and more discussion, for Principal engagement;
 - seeking to escalate, elevate and encourage worthy topics, including new ideas: we will arrange a ‘Pitch’ session where members of the CEOS family (anyone from subgroups to Principals) can make a brief case for attention to a particular topic, without the overhead and formality of going through all the steps in the CEOS Process Paper (that would come later);
 - significant discussion time on each of the following 3 priorities: Carbon & Biomass; ARD Strategy; the SDGs;
 - discussion time on emerging issues – at SIT-35, we hope this will be AI;
 - it is not an optimal use of time and resources to mandate that all CEOS entities formally report out at every meeting; yet it is important to ensure Principals understand and support the breadth and depth of activities that CEOS entities are implementing through the CEOS Work Plan, and to have opportunities to engage Principals on relevant issues and opportunities.
 - We plan to engage speakers and contributors early and to ensure the ground is well prepared for optimal use of Principal time in the meeting. We will ask that all presentations be uploaded in advance to a google docs folder and that speakers are responsible for their own version control accordingly.
- **Carbon & Biomass:** One of the inputs for SIT-35 will be a high level outline of an AFOLU Roadmap for space agencies. It aims to serve as a counterpart to the GHG Roadmap and ultimately to be integrated with it as a broad response from space agencies in support of the conventions. This will be led by ESA (Frank-Martin Seifert) and JAXA (Osamu Ochiai) - as our GFOI reps for CEOS. We recognise that part of the success of the GHG Roadmap has been having a senior scientist with strong political awareness (David Crisp) help with its formulation and progress. SIT Chair team plans to consult with ESA, EC, NASA, JAXA and the main carbon and biomass observation agencies to discuss whether we might identify a similar counterpart to support the AFOLU roadmap development. SEC is welcome to make suggestions.
 - Mark Dowell is developing a prospectus for **GHG-AFOLU meeting at JRC on 10-12 June (TBC)** to bring the communities together and to strategise an integrated convention engagement.
- **SDGs:** The SIT Chair and SDG AHT co-leads are refining (updates/new activities) SDG inputs to the CEOS Work Plan according to the SDG Work Plan presented at the Plenary,

in consultation with the AHT members. We are encouraging members to review the spreadsheet and specify their level of participation/contribution to make a collective progress towards our WP. Demonstration of useful algorithms on ODC for SDG monitoring, support to the GEO Federated Approach and Toolkit activities, as well as completing a detailed assessment on each 3 indicators (6.6.1, 11.3.1, and 15.3.1) led by different agencies are the main drivers. The SIT Chair is deeply supporting these efforts (actively liaising with EO4SDG and other CEOS bodies, refining SDG inputs to the CEOS WP) as one of its 3 priorities.

Upcoming meetings or events

- **Working team calls:** The first of a series of informal and one-on-one calls with the VC Co-Leads have kicked off and the series should be complete by end of the calendar year. These will help inform a VC stocktake discussion at SIT-35. Just one call, OSVW-VC, remains to be scheduled and SEC counterparts in EUM, NOAA and ISRO are asked to help secure a response to the Doodle poll from their agency co-lead.
- **An All-Hands call for CEOS VCs, WGs and AHTs to raise issues with SIT Chair**, including for potential inclusion and attention at SIT-35, will be held on Tue 11th Feb 2020. Teams will be invited to bring topics for attention of SIT Chair and potentially for further consideration at SIT-35.
- **CEOS-GEO meeting:** The CEOS-GEO bilateral is scheduled for 3-4 February 2020, in Geneva (for SIT Chair Team, SIT Vice Chair Team, CEOS Chair and Team, SEO, Incoming CEOS Executive Officer). The agenda has been agreed between the SIT Chair, CEOS Chair, SIT Vice Chair, SEO and GEO Secretariat Director. Major topics include:
 - Review of outcomes from GEO 2019
 - Review of current CEOS contributions to GEO
 - Analysis-Ready Data
 - Open Data Cube
 - Commercial Sector
 - Greenhouse Gas and Biomass Monitoring
 - Paris Climate Agreement
 - Sustainable Development Goals
 - GEO Flagship Deep Dive Session
 - Water and Coastal
 - Disaster Risk Reduction

CEOS SEC Report

Entity: SST-VC

- New co-lead (Ed Armstrong, NASA) replaced Ken Casey (NOAA) this Autumn.
- The SST-VC white paper is in its final preparation. Just waiting for confirmation from a couple of VC members / agencies. Then we will send to the SIT team before publication and distribution.
- Next SST-VC meeting will be held the week of 1st June 2020 together with the next GHRSSST science team meeting in Boulder.
- The SST-VC is discussing the way-forward of new activities, possibilities include: integration of cross-VC products to advance ARD concepts and to bring in GHRSSST experiences; engaging early career scientists; more collaboration with other VCs on common themes e.g. coasts; R/GTS evolutions; Search relevancy / decision trees based on GHRSSST product search.
- Potential collaboration with other CEOS activities like the coastal ocean subgroup and CEOS coverage.

CEOS SEC Report

(two pages max.)

Entity: GEO SEC

Prepared By: Doug Cripe (GEO Secretariat)

Issues requiring discussion/decision during current CEOS SEC teleconference

(Dot points)

- Agenda for GEO – CEOS bilaterals, 3-4 February 2020, Geneva

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 Secretariat CEOS Newsletter 54 article submission
- GEO-Google Earth Engine programme announcement
(<http://earthobservations.org/article.php?id=400>)

Upcoming meetings or events

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

- Full GEO LDN Initiative Teleconference, 7 January 11:00 UTC
- GEO Data and Knowledge Week, 18-21 February 2020, Beijing
(<http://earthobservations.org/article.php?id=397>)

CEOS SEC-259 Report – December 2019

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

- Brian Killough has initiated work on the new CEOS External Request Process Paper. The team will include the following people. The first telecon is planned before the holiday with the first draft version of the process paper released at the 2020 SIT Meeting.
 - o SEO (Brian Killough - NASA)
 - o CEO (Kerry Sawyer - NOAA)
 - o SIT Chair Team (Jonathan Ross - GA)
 - o SIT Vice Chair Team (Ivan Petiteville - ESA)
 - o CEOS Chair Team (Raj Kumar - ISRO)
 - o CEOS Future Chair Team (Christine Bognar - NASA)
 - o EC (Mark Dowell)
 - o JAXA (Osamu Ochiai)
- Brian Killough is attending the AGU Conference in San Francisco, CA on Dec 9-13. He will be presenting an eLightning talk on " An Open Data Cube (ODC) Water Application Demonstrating the GEO Knowledge Hub (GKH) and Supporting the Sustainable Development Goals (SDG)".

Other highlights, activities, actions, projects, collaborations

(e.g. outputs, new products, papers, technical reports, media, pipeline and new projects, interactions, project status changes, new opportunities)

- None

CEOS SEC Report

(two pages max.)

Entity: WGDisasters

Prepared By: NASA Chair Team

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)

- NASA Chair Team has updated existing and collected new CEOS Work Plan Deliverables.
- Landslide Pilot team is in process of developing new Landslide Hazards Demonstrator Implementation Plan.
- Seismic Hazards Demonstrator team published *Satellite Mapping in Response to the 2016 Ecuador Earthquake* [white paper](#).
- GEO GSNL Icelandic Volcanoes Biennial Report distributed to WGDisasters for comments, with synthesis expected mid-January, especially considering Agencies which do not have an open data policy to reaffirm their support for the two forthcoming years.
- WGDisasters is working to update their Disaster Risk Management (DRM) EO Strategy document. Purpose of the document is to capture at a high-level the landscape in which the WG undertakes its activities, the partners it aims to engage and the type of activity it means to pursue.
- New GEO/LEO/SAR Flood Pilot Proposal under development. Intend to submit for decision at SIT-35.
- WGDisasters standing by to support CEOS-COAST in terms of disaster risk reduction and resilience themes.

Upcoming meetings or events

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

- WGDisasters-13 Meeting
 - California Institute of Technology (Caltech), Pasadena, California
 - 9-13 March 2020
- Cities on Volcanoes, Remote Sensing Workshop, May 2020
- Understanding Risk Forum, May 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)

- GEO Secretariat CEOS Newsletter 54 article submission
- CEOS Workplan and deliverables updated as requested.
- WGISS and GEO Work Programme Contribution – WGISS Chair has been in touch with Douglas Cripe (GEO Secretariat) regarding the WGISS action on nominees from CEOS to the GEOSS Infrastructure Development Task Team. The formal process was established after GEO Plenary and the GEO Principals for CEOS (K. Das, Alex Held and Adam Lewis) have been asked for nominations. WGISS Chair has notified Alex Held of our previous action and tentative nominees and asked how the GEO Principals for CEOS wish to proceed. No response at the time of this report.

Upcoming meetings or events

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

- WGISS-49 will be hosted by CONAE, and held in Buenos Aires, Argentina, April 20 to 23, 2020. Registration and information: <http://ceos.org/meetings/wgiss-49/>

Attachments

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

CEOS SEC-259 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)

- WGCapD has been busy with work planning; 20 new deliverables have been crafted and submitted on 12/6.
- Planning for the WGCapD-9 Annual Meeting continues – registration will be opened on the CEOS meeting page with invitation letter and travel logistics documents posted soon.
- Prepared a brief presentation on engagements and activities in Asia to share with AOGEO at their Symposium ahead of GEO Week to help facilitate conversations around collaboration and opportunities to engage.
- A regional hands-on training in Thailand on land cover land use change topics is scheduled Dec 17-19, focused on LCLUC climate impacts in the coastal zone (CB-32-2019-1 & 3).
- The training calendar pilot is live at <https://training.ceos.org>. Looking for feedback on structure & format, entries from all agencies on training events and other ad hoc events (CB-21).
- Progress continues on the deliverables due in Q4 2019 and Q1 2020.

CEOS SEC Report

Entity: WGCV

Prepared By: Cindy Ong (WGCV chair, CSIRO)

- 4 new items have been submitted for the new WP
 - Surface Reflectance Round-Robin (S3R) & Protocol
 - Biomass Intercomparison exercise (BRIX-2)
 - DEM intercomparison (DEMIX)
 - SAR Calibration inventory and joint use assessment
- Nomination for a vice-chair for post October 2020 has been received from ESA. The nomination will be presented at WGCV-46 to be followed by the traditional voting process at WGCV-47;
- The SAR WG had a successful workshop last month concurrent with the VH-RODA workshop hosted by ESA. The outcomes of the workshop will be reported in the near future;
- The WGCV present and previous chair, WGCV IVOS sub-group chair and some key members of WGCV as well as LSI-VC members and the past CEOS CEO attended the VH-RODA meeting hosted by ESA. This meeting which follows in the footsteps of JACIE workshops was an important step in engaging and finding synergies between the old space and the new space (predominantly held by the industry) and provided a forum to discuss some of the challenges and way forward and, a key discussion point was ARD validation. WGCV could potential contribute to resolving some of the challenges, for example, the work from S3R could provide more quantitative parameters for quality indicators for surface reflectance;