

CEOS SEC Report

Entity: GEO SEC

Prepared By: Akiko Noda (GEO Secretariat)

Updates on issues raised during the last CEOS SEC teleconference

(Dot points)

- Point 1
- Point 2

Issues requiring discussion/decision during current CEOS SEC teleconference

(Dot points)

- Point 1
- Point 2

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 Week 2017 (23-27 October 2017 in Washington, DC) outcomes
Over 700 people from diverse geographies, sectors and technical areas came together to explore the use and applications of Earth observations for the benefit of humankind. This plenary was the largest with 504 delegates in attendance. This Plenary 2017 was unique in format, so as to incorporate more participation from diverse arenas, including the commercial sector and international funding agencies. It aimed transition of the GEO community from a data-centric to a user-centric approach.
GEO Secretariat sent e-mail to all GEO Plenary participants to ask their feedbacks in order to improve future Plenaries and associated side events. The deadline of submission was 10, Nov. GEO Week 2018 will be in Kyoto, Japan.
Presentation materials and statement of GEO members are released from the GEO's website
- Gilberto Câmara appointed as next GEO Secretariat Director
The GEO announced the appointment of Gilberto Câmara as the next GEO Secretariat Director, effective 1 July 2018.
- GEO new Members and Participating Organizations
The Royal Government of Cambodia and The Sultanate of Oman join GEO as its 104th and 105th members
12 new Participating Organizations were approved in 2017, bringing the total to 118:
AGRHYMET Regional Centre
CI: Conservation International
COMIFAC: Central African Forest Commission / Commission des Forêts d'Afrique Centrale
CRCSI: Cooperative Research Centre for Spatial Information
CSDMS: Community Surface Dynamics Modeling System Earthmind
ECLAC: United Nations Economic Commission for Latin America and the Caribbean
EuroGeographics
GODAN: Global Open Data for Agriculture and Nutrition
ISESTEL: Institut Supérieur d'Etudes Spatiales et Télécommunications
The Paul G. Allen Philanthropies
UNICEF: United Nations Children's Fund
WRI: World Resources Institute
- GEO at COP23
GEO had an official side event with GCOS and RESTEC at COP23 on 8 Nov. This side event , moderated by Stephen Briggs, underlined the role of integrated EO observations for mitigation and adaptation to climate change and advocate improved accessibility to data and information. The venue with capacity of 100 people was full and there were lively discussion.
GEO opens exhibition booth at COP23 until 16 Nov.

Upcoming meetings or events

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

- GEOSS Portal Virtual Workshop
29 November 2017 / Online
- GEO is forming GEO-Carbon and GHG Initiative steering committee. CEOS will be invited to the steering committee. An official invitation letter will be sent to the CEOS SIT Chair shortly. First steering committee meeting is planned on 2nd February.
- 8th Programme Board meeting has been set for 31 January - 1 February 2018
- CEOS-GEOSEC meeting might be set during the week of 29 January - 2 February (TBD)

Attachments

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

GEO Week 2017 Outcomes are available at

<http://www.earthobservations.org/geo14.php>

CEOS SEC-231 Report

Entity: CEO

Prepared By: Steven Hosford (ESA/CNES)

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 Workplan 2018-2020. Individual emails summarising current WP contents sent to each CEOS responsible entity. (As of Monday all WG and VCs, FDA and SEO done. SDCG, GEOGLAM and individual agencies to come)
- Freshwater workshop. Email proposing several choices of week for the “Freshwater from space” for May/June 2017 sent. All replies not yet in.
- Review of CEOS mailing lists underway

Upcoming meetings or events

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

- None – next CEOS meetings end January

Attachments

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

CEOS SEC Report

Entity: SIT Chair Team

Prepared By: Kerry Sawyer (NOAA)

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)

- Status of the United Nations Convention to Combat Desertification Land Degradation Neutrality GEO Initiative Proposal, which was raised during the GEO-XIV Plenary. CEOS figures prominently in the proposal, with UNCCD stating “The Group on Earth Observations (GEO), in collaboration with the Committee on Earth Observation Satellites (CEOS), is well-positioned to assist the UNCCD and their contracting parties with the rapid provision and deployment of EO datasets, country support, capacity building and training, and EO tools and platforms so that countries can effectively monitor and report on SDG indicator 15.3.1 every four years starting in 2018, as well as to support the longer term efforts of UNCCD to develop international standards and protocols on LDN and land degradation monitoring.” There were many interventions during the GEO Plenary supporting the proposal. The proposal will now follow proper channels and be presented to the GEO Programme Board.
- The SIT Vice Chair and former CEO will provide a verbal report on outcomes from the GEO ExCom-41 and -42.

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)

- CEOS-GEO Bilateral Meeting will be held the week of 29 Jan 18 in Geneva, in conjunction with the GEO Programme Board Meeting. Exact date of the bilateral is still TBC pending coordination of Principal schedules.
- SIT-33 Meeting will be 23-25 April 18 in Boulder, Colorado. Save-the-date message will be shared with CEOS community shortly.

Attachments

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

CEOS SEC 231 Report

Entity: WGDisasters

Prepared By: Simona Zoffoli (Italian Space Agency), David Green (NASA)

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 8th CEOS WGDisasters in Buenos Aires has been held as part of the Disaster Risk Reduction (DRR) Across the Americas Summit. The venue gave visibility to CEOS disasters activities, since the meeting was open to meeting participants other than WG Disasters people.
- Disaster Risk Management (DRM) pilot initiatives. Plenary approved final reports on floods, seismic hazards and volcanoes. Results included in the CEOS Disaster brochure “Improving Disaster Risk Management with satellite earth observations” prepared by ESA and CSA distributed at CEOS Plenary and GEO-XIV Plenary. Discussion on going on future demonstrators aimed to take successful elements of pilots and broaden their application to new users in new geographic areas, or to consolidate applications with existing users and seek long-term sustainability through new funding relationships. Landslide pilot is proceeding smoothly.
- Continue support to the GEO GSNL Initiative. Plenary approved proposals for 2 new Supersites: Southern Andes Supersite and Virunga Volcanoes Supersites and Biennial Reports about Ecuador and New-Zealand Supersites.
- Recovery Observatory (RO). Plenary approved the RO Operations Plan (ROOP). First Steering Committee meeting held on September 29. Early evaluation mission planned week of 4 December, and second Steering Committee 5 December.
- GEO-DARMA: Discussions are moving forward in Asia and Africa, and the first project proposals are expected to be formulated in these regions for presentation next spring to CEOS. Further engagement required in Latin America. 2nd Steering Committee held 13 November, and 3rd Steering Committee planned in December for review of project proposals in Asia and Africa.

Upcoming meetings or events

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

- 9th CEOS WGDisasters meeting, hosted by COM to be held in Brussel, Belgium, March 2018.

Attachments

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

CEOS SEC Report

Entity: WGClimate

Prepared By: WG Climate: Chair – Jörg Schulz (EUMETSAT), Vice Chair – John Dwyer (USGS)

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)

- CEOS statement to SBSTA-47 was presented in the opening session and well received. See draft of SBSTA-47 report distributed by CEOS Chair Team. It specifically recognised the development of the ECV Inventory and sees value for climate services. Report encourages further reporting and we will continue as done for the last SBSTAs;
- WG Climate Chair and Ex-Chair participated in COP-23 side events. WGClimate chair provided introductory presentation to the GHG monitoring event highlighting CEOS contribution. WgClimateChair participated in another side meeting organised by EC, EUMETSAT and ECMWF on climate change monitoring and climate services where the ECV Inventory was featured as an international coordination tool;
- WGClimate will update CEOS work plan shortly reflecting in particular new way of working with the ECV Inventory;
- WGClimate Chair team has discussed with CEOS MIM ways how to utilise the information in MIM for the planned gap analysis to close cycle#2 of the ECV Inventory work. While the conceptual issues on the relation of measurement types in MIM and GCOS ECV Product naming conventions in GCOS will not be resolved in a short time, the October 2017 version of the MIM will be helpful support gap analysis teams on the selected set of ECV Products;
- Plan for the ECV Inventory workshop at WMO needed to be changed. The new proposed dates for the workshop are 2-4 May 2018.

Upcoming meetings or events

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

- WGClimate #9 is scheduled for 27-29 March 2018 at WMO in Geneva
- WGClimate #10 is planned to be held in Asia between November 2018 and February 2019. We asked CMA if they wish to host the meeting.
- WGClimate #11 is planned to be held in the US approximately 8 months after WGClimate #10

Attachments

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Panel of COP-23 EU side event on greenhouse gas emission monitoring. From left to right: Aminda Leigh (Moderator), Jörg Schulz (EUMETSAT, Chair CEOS/CGMS Climate), Hugo Zuncker (EC, policy officer in the Copernicus unit of the Directorate-General for Internal Market, Industry, Entrepreneurship and SMEs), Pascal Lecomte (ESA, Head of Climate Office), Michael Buchwitz (University of Bremen, GHG Remote Sensing Specialist), Tobias Fuchs (Deutscher Wetterdienst, German National Coordinator for Copernicus Climate Change and Atmospheric Monitoring Services), Vincent-Henri Peuch (ECMWF, Head of Copernicus Atmospheric Monitoring Service), Juan Garces de Marcilla (ECMWF, Director Copernicus Services)

CEOS SEC 231 Report

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

Prepared By: Mirko Albani - Chair (ESA), Rob Woodcock – Vice-chair (CSIRO)

Updates on issues raised during the last CEOS SEC teleconference

(Dot points)

- Robert Woodcock (CSIRO) has been confirmed as WGISS Vice-chair for the upcoming two years (and then to become WGISS Chair starting from CEOS Plenary 2019)

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 Institute of Remote Sensing and Digital Earth (RADI) under the Chinese Academy of Sciences (CAS) has recently agreed to become a CWIC partner; this decision is a direct result of the WGISS#44 meeting held in Beijing.
- WGISS Data Access System Level Team will start reviewing the **ECV inventory Version 2.0** to check status of accessibility of datasets through the WGISS connected data assets infrastructure.
- A teleconference between *WGISS Data Stewardship Interest Group (DSIG)* and *Earth Science Information Partners (ESIP)* representatives was held in November. Possible cooperation areas between the two groups have been identified in the domain of data stewardship and a way forward defined.
- Next series of **Technology Exploration webinars** is being planned.

Upcoming meetings or events

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

- WGISS 45 – April 9-13, 2017 San Jose Dos Campos, Brazil
 - Joint Meeting with WGCV
 - Hosted by INPE (Instituto Nacional de Pesquisas Espaciais)

CEOS SEC-231 Report – November 16, 2017

Entity: Working Group on Capacity Building and Data Democracy

Prepared By: Senthil Kumar (ISRO), Chair; Nancy Searby (NASA), Vice-Chair; Hilcea Ferreira, WGCapD Secretariat

Updates on issues raised during the last CEOS SEC teleconference

- NONE

Issues requiring discussion/decision during current CEOS SEC teleconference

- We understand that Phila who was the Chair has left SANSA. It is unclear who would represent SANSA in WGCapD. SEC is requested to communicate to SANSA principal for nominating a representative.
- Similarly, during CEOS Plenary, Senthil and Nancy reached out to UKSA and JAXA and they seem to be interested in joining WGCapD, but we do not have official contacts – we request please that this item is discussed during the telecon to find out appropriate points of contact.

Other highlights, activities, actions, projects, collaborations

- Successful WGCapD side event was held during CEOS Plenary, with the following outcomes:
 - Connections with WGISS shall be established next year, regarding: building awareness of CEOS services (CWIC, COVE etc.), coordination and collaboration with Data Cube Initiative with preparation of learning materials, including tutorials and videos,.
 - Cal/Val is still unclear about how to collaborate, though overall, they agreed to look into ways;
 - Continue to explore future options for providing portal-based access to capacity building and training resources
 - Continue to work towards a common calendar of events
- The proposal for ROSES-2016 A.50 GEO Work Programme (NASA Grant), led by Alyssa Whitcraft (point of contact of GEOGLAM in CEOS), to support AmeriGEOSS has been selected. The project includes a Capacity Building Development plan and WGCapD will be involved: development of methods and guidance documentation for best practices, around institutional capacity development.
- The WGCapD Website has been updated with Lessons Learned Reports from training programs delivered: <http://ceos.org/ourwork/workinggroups/wgcapd/training-workshops/>

Upcoming meetings or events

- Preparations for the 7th Annual Meeting at INPE (São José dos Campos, Brazil), on March 6-8, 2018 is underway.
- Regarding the CapD role of supporting regional initiatives, the group started discussing in which ways we could contribute and get involved with AmeriGEOSS week (August 6-10, 2018, INPE, Brazil) and AfriGEOSS, which will be held on April 25-27, 2018, in Libreville, Gabon.

CEOS WGCV SEC-231 Report

Entity: WGCV

Prepared By: Kurt Thome, Chair, NASA
Cindy Ong, Vice 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)

- WGCV is following the example of other WGs and VCs and will start having WGCV telecons. The first telecon is scheduled for Nov. 30 following the SEC scheduled time of 7 am east coast US. The frequency will be approximately every two months as a means to obtain updates from the WGCV subgroup leads, track progress on WGCV actions and CEOS Work Plan actions, and obtain updates from agency activities.
- A Vice Chair candidate has stepped forward and the current Chair and Vice Chair are working with the candidate and their agency to obtain the appropriate paperwork for their candidacy and vote at WGCV-44 that will take place in September 2018.
- RadCalNet (in response to CEOS Work Plan CV-09) will hold its second workshop of beta testers on November 30. Terms of Reference for a RadCalNet admissions panel are complete and will be discussed during the WGCV telecon on November 30.
- The report from Atmospheric Correction Intercomparison (ACIX) study is complete and is under review by the participants. The effort is in response to CEOS Work Plan CV-13 and closure is still expected by the end of 2017.

Upcoming meetings or events

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

- WGCV-43 is planned as a joint meeting with WGISS-45 the week of April 9 2018 hosted by INPE in São José dos Campos, Brazil
- WGCV telecon Nov. 30
- RadCalNet Beta Testers Workshop #2 telecon Nov. 30
- LPV subgroup meeting March 2, 2018 at ESA ESRIN in Frascati, Italy
- IVOS subgroup meeting March 2018 (specific dates TBD) at ESA ESTEC, Noordwijk, the Netherlands

Attachments

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

CEOS SEC-231 Report – November 2017

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 (SEO) and Alex Held (CSIRO) will travel to Colombia on Nov 29-30 for a meeting at IDEAM focused on forest monitoring. They will have a dedicated session on Data Cubes and discuss their current progress and future plans. CSIRO and SEO continue to support the Colombia team.
- The SEO team is working with the Open Data Cube team to plan the annual Data Cube Workshop on Feb 14-16, 2018 at Geoscience Australia.

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)

- The SEO coordinated 4 dedicated side meetings and demonstrations at the GEO Meeting on October 23-24, in Washington, D.C. Over 100 international participants attended these sessions which addressed Data Cube development plans and progress, reviewed the progress of its implementation in Australia, Colombia, Switzerland and Uganda and conducted a hands-on training session.
- The SEO conducted a telecon with the Global Partnership for Sustainable Development Data (GPSDD). GPSDD is a global consortium of over 200 organizations focused on capacity building in developing countries. GPSDD would like to facilitate development of a regional Africa Data Cube to support 5 countries: Kenya, Senegal, Sierra Leone, Ghana and Tanzania. They have funding and a number of connections to make this happen. We are currently exploring data requirements and computing options.

CEOS SEC 231 Report – November 2017

Entity: SDCG

Prepared By: Stephen Ward

Updates on issues raised during the last CEOS SEC meeting (Rapid City)

(Dot points)

- The CEO issued a request for capacity/funding support for SDCG SEC to ensure CEOS GFOI coordination continues optimally – per the Plenary action. Await responses.
- UKSA has confirmed that they have a nominee for the SDCG Co-Chair position. Joanne Nightingale of NPL will take up the role with immediate effect. A formal letter is on the way to the CEOS Lead for GFOI and SDCG EXEC and will be shared with SEC. We greatly appreciate the UK contribution and look forward to working with Joanne.

Issues requiring discussion/decision during current CEOS SEC teleconference

(Dot points)

- None

Other highlights, activities, actions, projects, collaborations (for reference only)

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

- World Bank submitted an unsolicited request to join GFOI as a Lead organisation. This was warmly welcomed and seen as testament to the growing reputation of GFOI. UK and ESA Leads have been confirmed recently also. Awaiting German confirmation.
- The GFOI side event at GEO Plenary was extremely well attended and received.

Upcoming meetings or events (for reference only)

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

- GFOI Plenary and SDCG will be in Bogota, Colombia in the week of 11 March, 2017.

Attachments

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

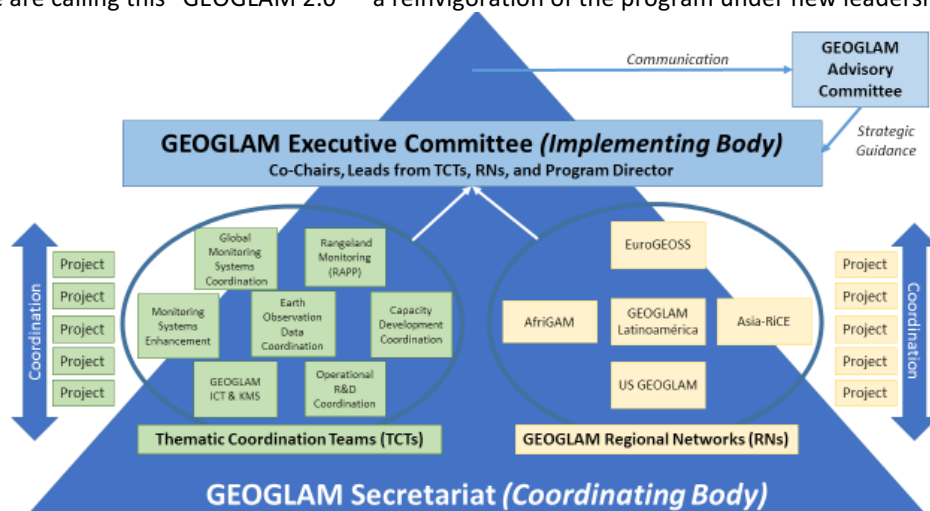
CEOS SEC-231 Report

Entity: CEOS ad hoc WG on GEOGLAM

Prepared By: Bradley Doorn (GEOGLAM ad hoc WG)

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

- GEOGLAM has a new governance structure that was the outcome of its 2.5 day meeting in June 2017. The important additions are 2 new “Thematic Coordination Groups” (formerly called “Components”) – RAPP, Monitoring Systems Enhancement, and GEOGLAM ICT & KMS (Knowledge management system; this includes cloud, etc.). Another important thing to note is the important place of the regional networks, and the establishment of an ExCom.
- We are calling this “GEOGLAM 2.0” – a reinvigoration of the program under new leadership.



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

- During the SIT TWS, GEOGLAM and the Ad Hoc WG decided that to advance the requirements work, an operational user requirements workshop would be needed. Bettina Baruth of JRC has taken the initiative to host this meeting in the 2nd week of April 2018. Bettina, Ian Jarvis (AAFC), and Alyssa Whitcraft will begin the planning of this meeting with a telecon on 21 November 2018. CEOS participation (in particular the SEO) would be useful.

Other highlights, activities, actions, projects, collaborations

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- We have new leadership: Ian Jarvis (AAFC) is the new GEOGLAM Program Director, with funding from Germany for a term of 2 years. He has just started in mid-November.
- We held a 3rd Advisory Committee Meeting at GEO-XIV. The AC is also being “reinvigorated” with concrete financial and advisory asks made by the GEOGLAM ExCom.

Upcoming meetings or events

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

- JECAM – USDA - EOFSAC Meeting, Feb 13-15, 2018
- GEOGLAM Operational User Workshop, 2nd week of April, 2018 (EC JRC)
- SIT-33 – Apr 23-25, 2018

Attachments

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