

CEOS SEC-234 Report

Entity: SIT Chair Team

Prepared By: Kerry Sawyer (NOAA)

Updates on issues raised during the last CEOS SEC teleconference

(Dot points)

- Report from CEOS-GEO Bilateral presented by CEO
- Space Climate Observatory and Paris Declaration – held teleconference with CEOS Chair team, SIT Chair team, WGClimate Chair and team, GCOS, and CNES on 2 Feb to further discussion. Agreed to sessions at SIT-33 for broader CEOS Agency engagement and way forward.
- ACTION 233-06 follow-up: SIT Chair Team has invited GEO Secretariat to present on their engagement with UNOOSA on SDGs and GEO Secretariat has accepted invitation; agenda item has been added to the SIT-33 agenda. This action can be closed.

Issues requiring discussion/decision during current CEOS SEC teleconference

(Dot points)

- SIT-33 preparations are underway and registration link is now live on CEOS website under the meetings tab. Version 0 Draft of agenda shared with SEC. SEC is requested to review and provide comments for next draft version. Please note that designated presenters are still TBC and if anyone would like to confirm they are willing to give the presentation where their name is listed, please let Kerry know.
- Status of the VC and WG Questionnaires and Tag-ups – completed all but two VC tag-ups (one will be completed later on 22nd, leaving P-VC only outstanding)
 - Had great discussions with all the VC Co-Leads and WG Chairs
 - Still would like to receive questionnaires from many one-generation removed leaders (past WG Chairs, past SIT Chair teams, etc.). Will follow up with another invitation to participate.
- Outcomes from 8th GEO Programme Board
 - Three new PB subgroups added to the two existing subgroups (Paris Agreement and Regional GEOSSs – CEOS (Steven Hosford, Pascal Lecomte, and Kerry Sawyer participate on the Paris Agreement subgroup). Three new subgroups are: Sendai Framework subgroup, Work Programme Monitoring subgroup, and Sustainable Earth Observations subgroup. CEOS has proposed membership on all three subgroups (strong-armed/voluntold for participation in one, volunteered for two) but we need to identify individuals to participate (you do not have to be recognized Agency PB member to participate – membership is open to anyone from the organization/agency).
 - Victim of our own successes – clearly there is no “terrestrial CEOS’ but our expertise is requested to help develop best practices to facilitate coordination of in-situ observations and integrate with space-based observations (we will NOT merge the two foundational tasks on in-situ and space-based).
 - Agreed that the Land Degradation Neutrality Initiative will be accepted as a Community Activity for the latest update to the GEO Work Programme (only requires GEO Secretariat approval) with the expectation that UNCCD will work with interested and invited participants to further develop the proposal to become a GEO Initiative, which will be made at the October GEO Plenary. We ensured that the language that is in the updated proposal has softened to ensure CEOS resources have not been prematurely committed. We will discuss the LDN, and potential CEOS Agency contributions, at SIT-33.

- PB is working with GEO Secretariat to identify Work Programme opportunities for commercial sector engagement and Secretariat took an action to inventory list of all commercial sector involvement in GEO activities to be presented at next PB.
- GEO Symposium, 9th GEO Programme Board, and Paris Climate Agreement Workshop will all three be held week of 11 June in 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)

- N/A

Upcoming meetings or events

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

- 43rd GEO ExCom Meeting 8-9 March in Geneva. Alex Held and Kerry Sawyer will attend on behalf of CEOS as Observer for Programme Board
- SIT-33 Meeting will be 23-25 April 18 in Boulder, Colorado with COM-hosted Big Data Workshop on 26 April

Attachments

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

CEOS SEC Report

Entity: GEO SEC

Prepared By: Akiko Noda (GEO Secretariat)

Updates on issues raised during the last CEOS SEC teleconference

(Dot points)

- The relationship between UNOOSA and GEO was discussed at CEOS-GEO sec bilateral meeting (29-30th February), so action item No. 233-05 was closed. Instead, a new action item No. 223-06 was created. In response to No, 233-06, GEO Secretariat will present the scope of GEO's engagement with UNOOSA at SIT-033.

Issues requiring discussion/decision during current CEOS SEC teleconference

(Dot points)

- NA

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)

- 8th GEO Work Programme Board was held on 31 January-2 February in Geneva.
- The meeting started with "Lead GEO Co Chair Goals and Objectives for 2018" followed by "WP support for Policy Initiatives (Paris Agreement and Sendai framework, SDGs,)", "Leveraging Regional GEOSS Initiatives", "Monitoring WP Implementation", "GEO Symposium" and "Commercial Sector engagement".
- A draft concept note for GEO Paris agreement workshop was proposed by the Subgroup on Paris Agreement workshop. The workshop will take place twice. 1st workshop is on 13th June in Geneva focusing on EO communities, UN agencies and selected national practitioners. 2nd workshop is planned in Autumn (TBD) expanding target audience to policy makers. The workshop covers not only mitigation but also loss and damage, adaptation, capacity development/technology transfer and national reporting/global stocktake.
- Sendai Framework subgroup was formed. CEOS became a member. James Norris, a new virtual secondee at GEO Secretariat from the UK will lead this group. This subgroup will review disaster activities in the GEO WP, map activities in support of Sendai Framework and identify the gaps. The outcome will be reported to GEO plenary 2018 and 2019 GEO ministerial meeting as well as become input to UN custodian agencies (UNISDR, UNGGIM)
- A new WP activity proposal of "Land Degradation Neutrality Initiative" was proposed by GEO secretariat. It will be reviewed by PB members. Lead Scientist of UNCCD(UN Convention for Combat Desertification) made address for GEO's support for monitoring SDG15.3.1, proportion of land that is degraded over total land area.
- Work Programme Monitoring subgroup (develop user metrics, investigating commercial sector engagement, KPI refinement, etc.) and Sustainable Earth Observation subgroup (define integration of in-situ and satellite observation to support high priority policy engagements, coordination of in-situ observation, etc.) were formed. CEOS will participate in both subgroups. ToR will be developed by the next PB meeting.

- PB agreed to hold GEO symposium on 11-12 June in Geneva, because the survey by GEO sec shows positive results towards having this symposium. Back to back with Paris Agreement workshop and 9th PB meeting. GEO secretariat will make an announcement for these symposia soon to ask saving date.
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- GEO Carbon and GHG Initiative (GEO-C) formed a Steering Committee and 1st meeting of the steering committee took place in Geneva on 2 February. Steering committee participants included high-level representatives from GEO Members Japan and the European Commission, and many of GEO's climate Participating Organizations, including the Global Climate Observing System (GCOS), World Meteorological Organization (WMO), United Nations Framework Convention on Climate Change (UNFCCC), Committee on Earth Observation Satellites (CEOS), Integrated Carbon Observation System (ICOS) alongside the Intergovernmental Panel on Climate Change (IPCC).
- Han Dolman of the Free University of Amsterdam accepted the role of Chair, and Werner Kutsch of ICOS and Hiroyuki Muraoka of Japan as Vice Chairs.
- The committee agreed the need to identify the complementary roles and responsibilities within the carbon observation landscape, finding that GEO-C can provide a global forum for highly-valuable informal discussions. The GEO-C is planning to identify observational requirements for disciplines beyond traditional meteorological and climate data, and define requirements for a global carbon monitoring system. The GEO-C Secretariat is also working to map the carbon observations landscape, with the goal to support planning, outreach and communication efforts. Outcomes of this meeting, next steps and detailed objectives for GEO-C will be outlined in a forthcoming White Paper, which will include a common roadmap.

Upcoming meetings or events

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

- Mar 8-9, 43rd GEO Executive Committee Meeting, Geneva,
- Mar 18-20 GeoInformation for Disaster Management (GI4DM) 2018, Istanbul, Turkey (Keynote speaker: Steven Ramage)
- Mar 28-29 Data For Development Festival, Bristol, United Kingdom (GEO Sec organises a session)
- Apr 6-8 Climate Show 2018, Geneva, Switzerland (GEO co-organizes a panel session)
- May 2-4, 3rd GEO Data Providers workshop, Frascati, Rome, Italy

Attachments

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

CEOS SEC 234 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)

- GEO GSNL Initiative. WG Disasters is continuing its support to GEO-GSNL initiative providing EO data and evaluating proposals. Biannual report from the Iceland Supersite has been received, evaluation in on going.
- Disaster Risk Management (DRM) pilots and demonstrators. Discussion is ongoing 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. 2 Teleconferences has been organized with leaders of the volcano pilot (13/02) and flood pilot (19/02) to discuss the status of the demonstrators in view of the WG Disasters meeting.
- GEO-DARMA: Discussions are moving forward in Asia and Africa. The first project proposals are expected to be formulated in these regions for presentation next spring to CEOS. A first draft have been circulated to the Data Coordination Team to prepare the WG Disasters next meeting discussion.

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,13-15, 2018
- Two side events have been accepted to 2018 Understanding Risk Forum, Mexico City, May 14-18, 2018.
 - 1) Satellite Earth Observation in support of Disaster Risk Management (DRM), Monday, May 14, 2018, 10:30am – 1:00pm Mexico City time. The event is organized together with GEO and EC
 - 2) Satellite support for Risk Management in Haiti – an innovative example, Tuesday, May 15, 2018, 09 :00am- 11 :00am Mexico City time. The event is organized together with UNDP and WB/GFDRR

Attachments

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

CEOS SEC 234 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)

- Action 233-02: WGISS Chair to report on progress on strategies for improving the availability of CEOS agency ECV datasets via the IDN.
 - Review of WGClimate ECV inventory has allowed identifying relevant datasets not registered in the CEOS International Directory Network (IDN) and therefore not discoverable and accessible through WGISS Connected Data Assets Infrastructure. WGISS System Level Team will contact data providers describing the process for datasets registration in IDN and supporting them in the registration process if needed.

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)

- WGISS Input to CEOS 2018-20 Work-plan revised and agreed with CEO. WGISS 2018-20 internal work-plan will be drafted in Q2 2018.
- *Data Preservation and Stewardship:* Lessons Learned on WGISS Data Management and Stewardship Maturity Matrix White Paper application are being collected from WGISS members and a dedicated session on this topic is being organized during the next WGISS meeting. An activity to compare the CEOS Data Preservation Guidelines Best Practices with the Common Framework for Earth-Observation Data of USGEO was started.
- *Data Discovery and Access*
 - WGISS Connected Data Assets Infrastructure functionalities and benefits will be more efficiently publicised to raise awareness and attract interest of CEOS agencies.
 - Work on WGClimate *ECV inventory Version 2.0* datasets registration in IDN is continuing.
- *Interoperability and Use*
 - The Open Source SW and tools area in the WGISS web-page will be reorganized to start addressing relevant action in the CEOS 2018-20 workplan.
- *Technology Exploration:*
 - A new webinar is going to be announced for March on "Agile Development for Multiple-Team Organizations".

Upcoming meetings or events

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

- WGISS 45 – April 9-13, INPE (San Jose Dos Campos, Brazil)
 - Joint Meeting with WGCV: definition of joint session topics will be finalised on the 28th of February
 - One day technical workshop based on three main sessions: FDA Platforms and Elements Landscape, Interoperability Aspects, Support Themes (SSO, User Metrics, etc.).

- PV2018 conference on Preservation Adding value and preserving data (hosted by the UK Space Agency and jointly organised by STFC, NCEO and the Satellite Applications Catapult): announcement for abstracts submission, see <http://www.ceda.ac.uk/contact/pv2018/>
- CGMS 46 Working Group IV (held in Bangalore, India on June/July)

CEOS SEC -234 Report

Entity: WGCapD

Prepared By: A. Senthil Kumar (ISRO), Nancy Searby (NASA), Hilcea Ferreira (INPE)

Updates on issues raised during the last CEOS SEC teleconference

(Dot points)

- The Training: Methods & Best Practices document was sent out by the COM 2018 CEOS Chair Team for review by February 16, 2018.
- We appreciate the support from the CEOS Chair Team in inviting several agencies to join WGCapD as members and to attend the upcoming annual meeting. We received a positive reply from CNES, SANSa, and UK Space Agency, a negative reply from JAXA, and are still awaiting a reply from GISTDA, VAST. We welcome virtual as well as in-person participation in our upcoming meeting (<http://ceos.org/meetings/wgcapd-7/>).

Issues requiring discussion/decision during current CEOS SEC teleconference

(Dot points)

- As working group leadership transitions, and as new space agencies are willing to join CEOS, overall capacity building to make us all aware of functions of CEOS, SIT, SEC and existing WGs, VCs and AHTs, and CEOS linkages to GEO, CGMS, UNOOSA, UNSPIDER etc. could be useful. CEOS leadership could play an anchoring role to get support from all of the teams of CEOS to plan and execute this.

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)

- We had a productive telecom with the CEOS SIT chair and team on February 15th, with discussions based on the provided questionnaire.

Upcoming meetings or events

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

- Preparation of 7th Annual Meet at INPE in March 2018 is underway. Major agenda items have been worked out. Latest agenda (and further updates) will be available at:
 - <http://ceos.org/meetings/wgcapd-7/>

CEOS WGCV SEC-234 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 held a telecon on Feb. 1 with discussions concentrating on the agenda for the joint WGISS/WGCV meeting planned for April, methods to address the cloud mask task group, and subgroup and agency reports.
- Geosciences Australia reported during the Feb. 1 telecon on plans for a continental scale validation effort for surface reflectance. The topic is being added to the agenda for the April WGCV-43 meeting as part of both joint discussions with WGISS as well as WGCV-only to investigate possible collaborations with other WGs and VCs.
- A reforming of the Cal/Val portal that is used by many of the WGCV Subgroups is underway along with WGCV Secretariat working with the SEO to update the WGCV's information on the CEOS website with pointers to the WGCV results such as the Atmospheric Correction Intercomparison Exercise (ACIX) report and the GSICS/CEOS reference Solar Spectrum
- The success of the ACIX effort is being used as a template to make progress on a similar effort for cloud masking. The basis of a cloud mask intercomparison exercise will be one of the discussion points at the LPV subgroup meeting on March 2.

Upcoming meetings or events

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

- WGCV-43 is scheduled April 10-13, 2018 hosted by INPE in São José dos Campos, Brazil. A joint session with WGISS-45 is planned for April 10.
- LPV subgroup meeting March 2, 2018 at ESA ESRIN in Frascati, Italy
- IVOS subgroup meeting March 26-29, 2018 at ESA ESTEC, Noordwijk, the Netherlands
- WGCV telecon May 31
- WGCV-44 Sept. 2018 location TBD

Attachments

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

CEOS SEC-234 Report – February 2018

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

- The Global Partnership for Sustainable Development Data (GPSDD) plans to announce the new African Regional Data Cube at the Data for Development Festival in Bristol, U.K. on March 21-23. The SEO will attend this meeting and will meet with UK-Catapult and UK-Rhea on ODC topics.

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 Open Data Cube community just completed its 2nd conference in Canberra, Australia on Feb 12-16. There were 50+ people in attendance from GA, CSIRO, USGS, SEO, UK-Catapult, UK-Rhea, and Colombia. The developer team made good progress on a number of technical fronts with several tasks focused on rapid data cube deployment. The "partners forum" worked on strategic planning and goals for 2018, including a comprehensive status of ARD, improved ODC code and application organization, improved training and capacity building materials, and a communications plan.
- On January 31, 2018, Brian Killough was the invited guest speaker at the University of Geneva in Switzerland. Approximately 100 people attended, including students and faculty from the University and members of the United Nations Environment Program (UNEP). The presentation focused on the latest trends in global satellite data use, the vision of the Open Data Cube initiative and new open source application products available to Swiss users.

CEOS SEC Report

Entity: SDCG for GFOI

Prepared By: Osamu Ochai (JAXA)

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)

- SDCG status
 - Joanne Nightingale is coming up to speed as SDCG Co-Chair on behalf of UKSA.
 - SDCG Work Plan is being evolved in line with the GFOI Phase 2.
 - SDCG Hands-on call to be planned in the end of Feb.
 - Per SEC **action 231-06**, the SDCG Co-Chairs are working on a paper on SDCG resourcing to be presented at SIT-33.
- GFOI Plenary Planning (Hosted by IDEAM, Bogota, Colombia, week of March 12th)
 - Preparations are underway including SDCG-13. Participation from the usual SDCG agencies is light for SDCG-13, with USGS, CNES, CSA, and ASI all absent relative to SDCG-12.
 - A side meeting of CEOS Data Cube, including Vietnam (VNSC), Taiwan (in support of Honduras), and Colombia will be hosted by IDEAM in the margins with the intention of sharing experience and lessons learned.
 - Some pushback on dedicating too much Plenary agenda time to CEOS' contributions, with the preferred focus being on user needs and support. Drift in the focus of GFOI needs to be monitored by CEOS members.
- GFOI Lead Team meeting (Paris, Feb 2nd)

- Osamu (CEOS Lead) and Frank Martin Seifert (ESA Lead) attended and noted the meeting was well attended by the Leads (including three World Bank representatives).
- General shifting momentum as GFOI Phase 2 to more on user needs in forestry countries. GFOI 'Early Warning' activity is expected to be significant topic of discussion relevant to CEOS in GFOI Phase 2.
- Data component scoping on how to access, process, integrate datasets and deliver derived information in more general architectural level is expected to be discussed.
- The establishment of a Data User Advisory Group (DUAG), as well as a properly resourced GFOI R&D programme were both discussed by the Leads.
- **CEOS Lead asked the GFOI Leads what they expected of CEOS for GFOI Phase 2, and will push for GFOI Plenary to make a statement on both future plans and past successes. CEOS lead will then bring this statement back to the SIT-33 meeting in April, and in turn ask CEOS senior leadership to confirm their intentions for GFOI Phase 2.**

Upcoming meetings or events

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

- GFOI Plenary will take place the week of 12th March in Bogotá, Colombia. Monday will be GFOI component meetings (including the CEOS-lead Data Component), Tuesday and Wednesday GFOI Plenary, and Thursday and Friday will be SDCG-13. SDCG is currently preparing a draft agenda, with registration to open shortly. An 'all hands' call will be planned for February in the run up to the meetings. The main SDCG-13 topics will be support to the global baseline, space data services, and GFOI R&D, the GFOI Data component and User Advisory Group (DUAG), the SDCG Work Plan for 2018-2020, and SDCG resourcing.
- SDCG-14 is planned for the week of 3 September at JRC, as a part of joint SDCG-GEOGLAM-LSI-VC meetings.

Attachments

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

- None.

CEOS SEC-234 Report

Entity: CEOS ad hoc WG on GEOGLAM

Prepared By: Alyssa Whitcraft (GEOGLAM Secretariat)

Updates on issues raised during the last CEOS SEC teleconference

(Dot points)

- Invitations for 17-18 April 2018 “GEOGLAM Operational User Requirements Workshop” have been sent out to GEOGLAM community and some CEOS AHWG membership
 - o Will provide the basis for GEOGLAM’s EO Data Requirements Refresh.
 - o Will include discussions on data services – e.g. Data Cube, ARD, pre-processing requirements – as a part of an holistic approach to data update and use in operational contexts.
 - o EC JRC is hosting with DG GROW support. Bettina Baruth (JRC), Ian Jarvis (GEOGLAM Sec), and Alyssa Whitcraft (GEOGLAM Sec & EOF SAC) are co-organizing.
 - o Initial feedback will be provided during a side meeting at CEOS SIT.
- DBAR Workshop with Chinese leadership (RADI) on GEOGLAM Knowledge Management System and ICT -- 28-31 August 2018.

Issues requiring discussion/decision during current CEOS SEC teleconference

(Dot points)

- Participation of members of the CEOS Ad Hoc WG in the upcoming GEOGLAM Operational User Requirements Workshop, 17-18 April 2018 at EC JRC in Ispra, Italy.
 - o AHWG members on the agenda as presenters or session chairs: Brad, Selma, Brian Killough, Shin-Ichi Sobue (may not be able to attend), Benjamin Koetz, Alyssa Whitcraft (co-organizer of session). Alex Held is also invited.
 - o Alyssa feels that this is a working meeting – makes sense to have “core” constituents of CEOS AHWG invited, but not really participation from those not really engaged in the AHWG.
- We have invited many people from developing and transitional economies; DG GROW is funding participation of some from these countries. However, it appears countries have to pay themselves, then receive reimbursement – which is a hardship for many. We are trying to find an alternative route for this (e.g. another organization pays and is reimbursed). Open to any CEOS suggestions?

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)

- Interaction with CEOS SEO/CSIRO on ODC in African Data Cube and Vietnam/Mekong Data Cube.
- Engagement with H2020 Consortium “AfriCultuReS” by GEOGLAM Secretariat – looking to involve them in a GEOGLAM-wide effort to improve coordination of activities in Africa.
- Outcomes of the Emerging Technologies workshop (JECAM, AAFC, EOF SAC, USDA, NATCAS; 13-15 February 2018 in DC) will inform GEOGLAM’s requirements work as well; we are working on creating a continuity of effort between that meeting and the upcoming Operational User Req’s Workshop.

Upcoming meetings or events

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

- AMIS Rapid Response Forum, 14-15 March 2018 (Argentina)
- GEOGLAM Operational User Workshop, 17-18 April 2018 (Ispra, Italy)
- GEOGLAM ExCom Meeting, 16 April 2018
- SIT-33 – 23-25 April 2018 (Colorado US) – side meeting requested for GEOGLAM
- SARI LCLUC Meeting (GEOGLAM and Agricultural Sessions) – 26 May – 2 Jun 2018

Attachments

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

- Also sending over a copy of the Agenda for the Operational User Req's workshop.

CEOS SEC-234 Report

Entity: Ad Hoc Team on SDG

Prepared By: Flora Kerblat (CSIRO), with contributions from the co-leads Eric Wood (USGS), Marc Paganini (ESA), Alex Held (CSIRO)

Updates on issues raised during the last CEOS SEC teleconference

(Dot points)

- Related to the request to Principals to provide more and updated contacts so we can collect information about CEOS activities on SDGs: we haven't received anything new since, but will keep on contacting CEOS Principals or SDG nominated points of contact (if available)

Issues requiring discussion/decision during current CEOS SEC teleconference

(Dot points)

- Continue asking for contributions from CEOS agencies on their activities on SDGs: if your agency is planning a new program, project or is involved in working groups on SDG, please let us know so we can inform the whole AHT SDG and GEO (EO4SDG).
- CEOS EOHB on SDGs: please review your POC (CEOS Principals) and mailing address (circulated email) so you can receive printed copies soon.

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 EOHB on SDGs: finalised!
 - o Printed copies will be sent to all CEOS Principals: please review your POC and mailing address so you can receive it. Official release will take place at the 49th session of the UN Statistical Commission, NYC, 6-9 March.
 - o Online version being prepared
 - o Will be on CEOS homepage soon
- SDG co-leads/Flora call last week: we discussed upcoming events/presence at meetings, finalisation of EOHB and distribution, next steps, communications, and SIT meeting
- AHT SDG at SIT in Boulder: a request for a side-meeting (2 or 3h) has been sent, an agenda will be produced
- Presentations on behalf of the team:
 - o Next one in NYC, at the 49th session of the UNSC: Maybe Marc (ESA), Eric (USGS) or Lawrence/Argie (NASA) to represent CEOS
 - o ???
- GEO:

- EO4SDG (Argie) has requested some support from us (Kim/Flora) on the communications' part (esp. related to the website, and calendar to be set up);
 - EO4SDG (Argie) is also involved (for the SDG session) in the preparation of the RAPP/SDG/ODC workshop to be held in Kenya the week of the 7th May (invitations now sent)
- SDG Academy: discussions CEOS/GEO around producing some training material on EO and SDG (in collaboration with WCapD?)
- Communication:
 - Flyer: working (Kim/Flora) on a communication material about EO satellite data and SDG, aiming to be ready and printed by end of March-April (esp for the RAPP/SDG/ODC workshop in Kenya early May)
 - "SDG updates" to be sent around soon, advertising inputs we have SO far from CEOS agencies
 - ODC and SDGs: New links with ODC and other projects linked to SDG (eg opportunities in the Pacific region)

Upcoming meetings or events

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

- UNSC-49 NYC 6-9 March and UN GGIM side meeting: Statistical-Geospatial Integration Forum "Integrating statistical, geospatial, and other Big Data to leave no one behind", 5th March. ESA (Marc) and NASA (Argie) are contributed to a concept note and have been invited to attend a panel on Satellite observations for SDGs
- GEOGLAM RAPP/SDG/Open Data Cube (ODC) workshop in Kenya, week of the 7th May:
 - Organised by various partners incl. CSIRO, SANSa, ILRI, GEO, GPSDD, CEOS SEO, FAO): if your agency is willing to help us, please let us know!
 - Invitations have been sent
 - The objective is to create synergies between different stakeholders (decision-makers, statisticians, EO experts, rangelands, food security policy experts...) all aiming at finding better ways and solutions to improve data management and reporting in the SDG process, especially related to food security and land management issues using EO data.

Attachments

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



SAVE THE DATE for a Week in KENYA !

**6th GEOGLAM RAPP & SDG workshop (MON-TUE)
+ a regional Open Data Cube workshop (WED-FRI)**

Locally hosted in Nairobi, and supported by

ILRI (International Livestock Research Institute)
for the GEOGLAM RAPP & SDG Workshop
Government of Kenya & Strathmore Business School
for the Open Data Cube Workshop



Cattle grazing on Brachiaria grass at the ILRI campus in Nairobi, Kenya (credit: ILRI/Collins Muta)

WHY THESE JOINT MEETINGS ?

GEOGLAM RAPP (Rangeland And Pasture Productivity), co-led by CSIRO and SANSA, is a global initiative under GEO, the inter-governmental Group on Earth Observations. As a sub-component of the Global Agricultural Monitoring Initiative (GEOGLAM) flagship, RAPP aims to provide the means to globally monitor the condition of the rangelands and pasture lands on a routine basis, and assess their capacity to sustainably produce animal protein in real-time, at global, regional and national levels, using Earth observation (EO) data. => **Bring the community together with other end-users (food security and SDG) and reaffirm the community's involvement, review progress and development of the Global Monitoring system RAPP Map, discuss product requirements for rangeland and pasture monitoring (e.g. biomass) to be supported by the ODC.** Organized by ILRI/CSIRO/SANSA

SDG (Sustainable Development Goals, or the United Nations 2030 Agenda for Sustainable Development): In 2015, countries adopted a set of goals to end poverty, protect our planet and ensure prosperity for all as part of a new sustainable development agenda. Since Earth observations can play a key role in supporting this process, GEO created the 'Earth Observations in Service of the 2030 Agenda for Sustainable Development (EO4SDG)' initiative to enable and extend uses of EO and geospatial data to advance the Agenda and enable societal benefits through achievement of the SDGs. => **SDG 2 (Zero Hunger) and SDG 15 (Life on Land) will be specifically addressed with key African and global stakeholders, including national statistical offices and line ministries, academic institutions, private sector, non-government agencies.** Organized by GEO & other partners (ILRI, FAO, GPSDD)

ODC (Open Data Cube): The initiative seeks to increase the value and impact of global EO satellite data by providing an open and freely accessible exploitation architecture and to foster a community to develop, sustain, and grow the technology and the breadth and depth of its applications for societal benefit. => **5 African pilot countries & others interested will learn how to use the ODC to analyze EO information and improve their data management, with case studies on food security & land use management.** Organized by the CEOS (Committee on Earth Observation Satellites) SEO (Systems of Engineering Office), the Global Partnership for Sustainable Data (GPSDD), the Office of the Deputy President and NACOSTI (National Commission on Science, Technology and Innovation) and Strathmore Business School.

MAIN CONTACTS

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ODC: Brian Killough (CEOS SEO/NASA, brian.d.killough@nasa.gov), Aditya Agrawal (GPSDD, aagrawal@data4sdgs.org)

Logistics details (agenda, accommodation & transport advice) will be communicated to the invitees later

- ◆ Earth observation (EO) data applications
- ◆ 2 Workshops on
 - Rangeland & Pasture Productivity (RAPP), and SDG & key indicators on food security & sustainable land use;
 - EO data infrastructure analysis (Open Data Cube in Africa)

7-11 May 2018

NB: a field trip for RAPP might be organized on Sunday 6th (TBC)

VENUES

ILRI (RAPP & SDG):
30709 Naivasha Rd, Nairobi, Kenya
Strathmore University (ODC)



Geo-rapp.org
Eo4sdg.org
Opendatacube.org

Figure 1 RAPP/SDG/ODC workshop Flyer