

CEOS SEC 226 Report

Entity: WGDIsasters

Prepared By: Stéphane Chalifoux (Canadian Space Agency) and Simona Zoffoli (Italian Space Agency)

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 Disaster Risk Management (DRM) pilot initiatives on floods, seismic hazards and volcanoes will request approval of their final report at CEOS Plenary in October 2017. These three thematic pilots are nearing completion and are compiling their final reports. The seismic and volcano pilots will be presenting plans for developing new activities extending the success of the pilots. The flood pilot has not programmed new activity per se, but intends to contribute to the new multi-hazard GEO-DARMA activity if relevant. A fourth thematic pilot on landslides began last year and is expected to run for three years.
- Continue support to the GEO GSNL Initiative. DCT is evaluating Proposal (Southern Andes Supersite) and Biennial Reports (Ecuador and New-Zealand Supersites). A series of new proposals is expected in the coming weeks that might request approval at CEOS Plenary; up to two proposals: Peru, DR of Congo.
- Recovery Observatory (RO): the RO achieved a critical milestone in May with the 1st User Workshop, hosted by the three Haitian champions, CNIGS, CIAT and ONEV. These three key users brought together many other government ministries and international organizations to refine the RO Operations Plan. A new draft of this plan has been drafted incorporating the feedback from the workshop and should be released by the end of July. The fall “early evaluation” has been delayed to early 2018 at the request of the Haitian champions. The first Steering Committee meeting is planned for late August this year.
- GEO-DARMA: Discussions are moving forward in Southeast Asia and the first project proposals are expected to be formulated in this area in the fall, for presentation next spring to CEOS. Each of the three regions has now identified at least one regional institution to collaborate on the project, although new partners are still expected to join in Africa and Latin America. An African mission is planned for the fall.
- The 8th CEOS WGDIsasters in Buenos Aires is part of the Disaster Risk Reduction (DRR) Across the Americas Summit. This venue will give visibility to CEOS disasters activities and will strengthen relation with key user in the Americas
- New CEOS Handbook: IMPROVING DISASTER RISK MANAGEMENT WITH SATELLITE EARTH OBSERVATIONS Lessons learned from the CEOS Flood, Volcano, and Seismic Hazards Pilots, and the Recovery Observatory. The plan is to have the handbook ready for the WGDIsasters meeting in September and the Plenary.

Upcoming meetings or events

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

- 8th CEOS WGDIsasters meeting, hosted by CONAE with NASA support, is in the final planning phase and is envisaged to be held in Buenos Aires, Argentina, from September 4 to 8, 2017.

Attachments

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

CEOS SEC Report

Entity: WGClimate Chair – Future CEOS Chair

Prepared By: Astrid – Christina Koch(COM)

Updates on issues raised during the last CEOS SEC teleconference

(Dot points)

The draft SBSTA statement for the Cop 23 was drafted by COM (Mark Dowell) and WGClimate (Pascal Lecomte, ESA, WGClimate Chair).

It was send to CEOS SEC for feedback.

Issues requiring discussion/decision during current CEOS SEC teleconference

(Dot points)

Members of the CEOS SEC are kindly invited to provide feedback on the text.

Attachments

Draft SBSTA text - version 19 July

STATEMENT
TO THE UNITED NATIONS FRAMEWORK CONVENTION ON CLIMATE CHANGE
SBSTA 47/COP 23 06-xx/11/2017

The European Commission, on behalf of the Committee on Earth Observation Satellites (CEOS), is pleased to update the 47th session of the Subsidiary Body for Scientific and Technological Advice (SBSTA) on the coordinated response to the United Nations Framework Convention on Climate Change (UNFCCC) needs for global observations being implemented by CEOS and the Coordination Group for Meteorological Satellites (CGMS) Working Group on Climate.

CEOS and CGMS, international organizations of 60 Members and Associates and 15 Members, respectively, have had the honor to report on space agency activities to the UNFCCC on several previous occasions.

Space agencies continue to evolve their systematic observation of the climate system, strengthening scientific knowledge on climate and supporting provision of knowledge-based information to climate services and to support decision making. Space agencies are doing this by implementing the Strategy Towards an Architecture for Climate Monitoring from Space, 2013 – developed by a team comprised of representatives from CEOS, CGMS, and the World Meteorological Organization (WMO). This architecture involves the identification of existing and potential future gaps in the provision of the climate data requested by the UN's Global Climate Observation System Programme (GCOS).

The consolidation of space agency efforts through the establishment of the Joint CEOS/CGMS Working Group on Climate has resulted in a major increase in efficiency in responding to the needs on Systematic Observations as required by the convention. This is manifested in part by considerable increase in the number of data records (factor 3) submitted by agencies to the ECV Inventory with respect to the first exercise in 2015.

The synergistic relationship with the UN's Global Climate Observation System Programme continues to be strengthened and CEOS and CGMS present here a response to the 2016 GCOS Implementation Plan reiterating their commitment in addressing Actions in support of the implementation of the global observation system for climate.

CEOS and CGMS Agencies have put considerable efforts in recent years on the concerted analysis and development of innovative approaches to data structures and interfaces through their efforts on data cubes and Future Data Architectures. This specifically facilitates the access to data for users interested in moderate to high resolution imagery, in particular for land surface applications. These interfaces will in particular enable users interested in looking at climate adaptation issues at these actionable scales to make a better use of earth observation datasets.

The Space Agencies have been reactive in responding to the developments foreseen as a consequence to the decisions in Paris at COP-21. For this space agencies recognize that high quality greenhouse gas information will be essential to track progress toward the achievement of Nationally Determined Contributions (NDCs) and for stocktaking, and see a fundamental role for this information, integrated with ground based measurements and models in supporting a Monitoring and Verification System. In this context over the last year the space agencies in CEOS and CGMS have started an activity, to define an optimum constellation of satellites to meet the requirement of such a monitoring and verification system, taking advantage of the competence of the current Virtual Constellation on Atmospheric Composition. These efforts fit in the broader context of the

Comment [Office1]: Possible additional sentence here:
In addition, space agencies are actively engaging the review process of the IPCC TFI guidelines. This would ensure that space-based observations are appropriately represented as a significant contribution to the reporting process.

comprehensive CEOS Strategy for Carbon Observations from Space, which is pursuing additional relevant activities will allow to better constrain the natural background fluxes of carbon.

Finally on mitigation CEOS continues to support the Global Forest Observing Initiative implementing the United Nations Collaborative Programme on Reducing Emissions from Deforestation and Forest Degradation or REDD+.

Comment [Office2]: This sentence probably requires additional details. Emphasis on keywords and conciseness

CEOS SEC 226 Report

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

Prepared By: Andrew Mitchell – Chair (NASA) / Mirko Albani Vice Chair (ESA)

Updates on issues raised during the last CEOS SEC teleconference

(Dot points)

- WGISS Vice Chair Nomination – Awaiting response from the CEOS agency which expressed interest in putting forward a nominee. They are considering the four-year commitment which would begin in Nov 2017.

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 next **Technology Exploration webinar** will focus on **User Oriented Data Analytics**. The first in a series of data analytics talks will be on the increasing role of the Python programming language for data science Earth Observation (EO) analysis.
- WGISS completed a review of the **GEOSS-EVOLVE Implementation Plan**. Areas were identified and recommended where WGISS can better support CEOS's contribution in various GEOSS-EVOLVE work-packages. (**WP 1: GEOSS Architecture and Evolution, WP2: Functionality Testing, WP3: Data Management Principles, WP 6: Community Portals**)
- An updated CWIC OpenSearch Client Guide was provided to AmeriGEOSS. This document will provide detailed information for AmeriGEOSS clients to connect to CWIC using CEOS OpenSearch.
- WGISS will provide representation (on behalf of CEOS) to the **EU's NextGEOSS Advisory Board**. The NextGEOSS project has been selected by the European Commission to provide the European hub for EO data distribution.
- WGISS recently developed a **test WGISS Carbon Portal** to access both the CWIC (CEOS WGISS Integrated Catalog) and ESA's FedEO data brokers. We are now at a point where we can demonstrate access to several relevant data collections held by CEOS agencies in support of use cases to search and access particular collections (for example, Land-Carbon, Ocean-Carbon and/or an Atmosphere-Carbon case).

Upcoming meetings or events

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

- WGISS 44 – September 25-29, 2017 Beijing, China
 - Hosted by Chinese Academy of Sciences

CEOS SEC Report

Entity: WGCapD

Prepared By: Phila Sibandze (SANSA) and Senthil Kumar (ISRO)

Updates on issues raised during the last CEOS SEC teleconference

(Dot points)

- NIL

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)

- One Health workshop was held in Montreal Canada on 21 June 2017
- Organise WGCapD webpage to reflect recent projects
- Webinar series conducted by ISRO which started in 5 April was successfully completed in 17 June with 252 participants from 53 countries.

Upcoming meetings or events

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

- WGCapD will be represented at the UN/Austria Symposium in Graz 3-7 September

Attachments

- NIL

CEOS SEC #226 Report

Entity: WGCV

Prepared By: Kurtis Thome (NASA)/Cindy Ong (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.

- RadCalNet continues to keep pace for a November 2017 opening of the RadCalNet website to the public in November 2017. Terms of Reference for a RadCalNet admissions panel are under development.
- WGCV is developing comments on the MRI Framework to provide details for validating merged surface reflectance products and how best to collaborate with the Landsat-8/Sentinel 2 studies that are part of MRI.
- A description of the GSICS/WGCV IVOS proposed solar irradiance spectrum is being evaluated by WGCV membership for the spectrum's suitability for inclusion on the CEOS Cal/Val Portal.

Upcoming meetings or events

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

- WGCV members will present RadCalNet related material at the Calcon meeting Aug. 22-24 in Logan, Utah
- Radiometric Calibration Workshop for European Missions is scheduled for Aug. 30-31, 2017 at ESA ESRIN
- WGCV-43 is planned as a joint meeting with WGISS-45 in April 2018 at site TBD

Attachments

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

CEOS SEC Report

Entity: CEO

Prepared By: Jonathon Ross (CEO, Geoscience Australia)

Updates on issues raised during the last CEOS SEC teleconference

(Dot points)

- **Action 225-01.** VAST/VNSC were contacted and have identified staff to participate in the CEOS delegation to GEO-XIV. See below.

Issues requiring discussion/decision during current CEOS SEC teleconference

(Dot points)

- **Membership of Korea's National Institute of Environmental Research (NIER).** Following discussions at the previous SEC meeting, NIER have been asked to confirm they are a government agency. They have stated they are a government agency with no private sector ownership or control. The next step is for them to submit a letter outlining the relevant details, with a discussion to then take place at SEC-227.
- **DCEO Succession.** No candidate has yet been identified to take up the DCEO (and then CEO) role following Steven Hosford's CEO term, which commences at Plenary 2017. Jonathon Ross will act as Assistant CEO to Steven Hosford for the first 6-9 months of 2018, to assist with transition.
- **GEO Plenary Delegation.** The proposed initial CEOS Delegation List is as follows:

Role	Last name	First name	Email address
Head of Delegation	Facchini	Mauro	Mauro.Facchini@ec.europa.eu
Alternate Head	Ross	Jonathon	Jonathon.Ross@ga.gov.au
Delegate	Koch	Astrid	Astrid.Koch@ec.europa.eu
Delegate	Sawyer	Kerry	Kerry.Sawyer@noaa.gov
Delegate	Killough	Brian	Brian.D.Killough@nasa.gov
Delegate	Hosford	Steven	Steven.Hosford@cnes.fr
Delegate	Petiteville	Ivan	Ivan.Petiteville@esa.int
Delegate	Wood	Eric	woodec@usgs.gov
Delegate	Phan	Linh	pnplinh@vnsc.org.vn
Delegate	Tuan	Pham	patuan@vnsc.org.vn

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)

- **Work Plan Status Updates.** Final updates to reflect Work Plan v1.1 have been made to the Deliverables Tracker database by CEO and SEO. Some groups have provided updates, but others are encouraged to continue providing updates.

Upcoming meetings or events

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

- N/A

Attachments

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

CEOS SEC 226 Report

Entity: SIT Chair Team

Prepared By: SIT team (ESA)

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)

1) SIT Technical Workshop

- The SIT team is working on the preparation of the SIT Technical Workshop and side-meetings (11-14 September 2017).
- The deadline for requesting a side-meeting room is 23 June. Side-meetings planned so far are: GEOGLAM, “International Financing Institutions”, SDGs, and “Engagement with UNFCCC and IPCC”.
- Participants are invited to register on-line on the CEOS web site and to rapidly book their accommodations as it might be difficult to find a hotel room in September. SO far 32 registered. Registration is compulsory for security reasons (persons not registered will not be able to enter the ESRIN site and will not have a wifi access).
- 55 hotel rooms have been reserved for CEOS – please refer to the Invitation letter from the SIT Chair, sent out to CEOS on 5 June.
- The second round of teleconferences between the SIT Chair Team and each of the Working Groups and Virtual Constellations has been completed with all CEOS groups except the Ocean Surface Topography VC due to the lack of leadership (both EUMETSAT and CNES are working on the replacement of the two co-chairs).

2) Other topics:

- The SIT Chair represented CEOS as Observer to the 40th GEO Executive Committee meeting, 11-12 July 2017, in Geneva (Switzerland). The preparation of the GEO Plenary, including four special sessions on engagement with the commercial sector, with public sector users, national programmes and International Financial Institutions, together the implementation Engagement Strategy were among the topics discussed. It is expected to appoint the new Secretariat Director at Plenary 2017, following interviews in September.

Upcoming meetings or events

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

- GEO Programme Board meeting 30-31 August 2017 (probably only Jono will be able to attend representing CEOS)
- 2017 SIT Technical Workshop: 11-14 September 2017, at ESA ESRIN, in Frascati (Italy).

Attachments

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

CEOS SEC 226 Report

Entity: GEO SEC

Prepared By: Osamu Ochiai (GEO Secretariat)

Updates on issues raised during the last CEOS SEC teleconference

(Dot points)

- Ms. Akiko Noda was assigned to new GEO Sec PoC for CEOS. Osamu Ochiai virtual GEO Sec secondment will finish at the end of July.

Issues requiring discussion/decision during current CEOS SEC teleconference

(Dot points)

- None

Other highlights, activities, actions, projects, collaborations

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- July 11-12, 40th GEO Executive Committee meeting, Geneva, Switzerland
 - o GEO Engagement Strategy Implementation Plan 2017-2019:
The Executive Committee approved the revised Engagement Strategy Implementation Plan 2017-2019. It was recalled that the working group identified five engagement strategies (including Ecosystem Accounting and Urban Resilience); Plenary assigned priority status to three. The ExCOM also stressed and noted as follows:
 - Importance of having the appropriate tools to measure the impacts and delivery, and take action from lessons learned;
 - The Implementation Plan is a living document.
 - Engagement is a job of everyone, not just Secretariat.
 - o Commercial Sector (CS) Engagement:
ExCOM confirmed its commitment to engage with CS and also recognized that engagement is already happening through many ongoing activities across the WP. The strategic engagement with the CS should be 2-way. A meeting with representative from the CS will be planned in the next ExCOM in Washington DC. GEO-XIV will contain opportunities (exhibition, sponsorship, side-events) to further engage with CS.
 - o GEO Secretariat 2017 Programme of Work and Sustainable funding for the GEO Trust Fund were discussed. It was recognized the concern of long term funding.
 - o Report from Programme Board was accepted.
 - o GEO Secretariat Review of 2017 Work Programme Symposium and Work Programme Symposium – Future Orientation were both accepted.
 - o GEOSS Implementation – Status of GEO Indicators and Report on Progress was accepted and endorsed the M&E plan for commencing the process
 - o Following five Participating Organizations were approved as new GEO Participating Organizations:
 - AGRHYMET Regional Centre;
 - COMIFAC, Central African Forest Commission / Commission des Forêts d'Afrique Centrale;
 - CRCSI, Cooperative Research Centre for Spatial Information
 - United Nations Economic Commission for Latin America and the Caribbean (ECLAC)
 - The Paul G. Allen Family Foundation; and
 - o Following four organizations were pending modifications to their websites:
 - CSDMS, Community Surface Dynamics Modeling System
 - EuroGeographics
 - ISESTEL
 - World Resources Institute (WRI)

- **SDGs:** GEO was represented during the first week of the UN High Level Forum on Sustainable Development (UN Headquarters New York City, July 10 – 19) participating in a number of side events as well as monitoring the statements made by member states and other organizations during the Plenary sessions reviewing status of SDG Goals 1,2,3,5,9 and 14. GEO also met with representatives of the UN Statistical Division and collaborated with the Global Partnership for Sustainable Development (GPSDD) to organize a side event on use of remote sensing and new data sources to support SDGs. During a side event on SDG 14 Oceans, GEO presented a short summary of a number of GEO activities related to oceans including: the Blue Planet Initiative; MBON, MBON Seascapes. GEO also joined the International Council for Science (ICSU) in a side event to introduce their recent SDG synthesis report “A Guide to SDG Integration – From Science to Implementation”.
- **Paris Agreement:** The Secretariat submitted a COP-23 side event application entitled “Earth observations for adaptation and mitigation: GEO supporting GCOS and National GHG Inventories “ to the UN Framework Convention on Climate Change (UNFCCC). The theme of the event will be to showcase the efforts of the GEO to help support mitigation and adaptation efforts as outlined by the GCOS Implementation Plan, and provides tangible examples of how Earth observations can contribute to the IPCC Guidelines for National GHG Inventories. The draft speakers of the event will be EC, GEO Sec, GCOS, ICOS, Germany, IPCC/TFI and Japan.
- **Sendai Framework for Disaster Risk Reduction:** The GEO Secretariat is working with UNISDR and UNECE locally in Geneva, as well as UNESCAP, to address several aspects of the Sendai Framework and links to Earth observations, as well as ongoing work to develop disaster statistics.

Upcoming meetings or events

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

- July 31-August 4, 2017 AmeriGEOSS Week, San Jose, Costa Rica
- August 10-11, 2017, Regional Workshop on Himalayan GEOSS, ICIMOD, Kathmandu, Nepal
- August 30-31, 2017, 7th GEO Program Board, Geneva, Switzerland
- October 23-26, 2017, GEO-XIV week (24 for 41st ExCOM, 25-26 for Plenary)

Attachments

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CEOS SEC-226 Report – July 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

- The SEO team is currently attending the 2017 IGARSS Conference in Fort Worth, Texas on July 23-28. The SEO is leading a CEOS Open Data Cube workshop on July 23 (4 hours) and will be hosting a CEOS exhibition booth with a focus on Data Cube activities. The workshop is full, with 50 attendees. The SEO is preparing a tutorial package that can be run locally and online (Amazon Cloud) and can be used for future training. A complete post-workshop report will be completed to address lessons learned and to generate training materials that can be put on the ODC website in the future.

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)

- Brian Killough visited World Bank on July 18 to discuss plans for a Data Cube to support a water management project in Peru. This project is also supported by ESA through the "EO for Sustainable Development" initiative. WB agreed to determine the specific application needs for the Peru project (e.g. end products for decision-making) and to identify a specific location in Peru of high interest to develop a demo cube for testing.
- Brian Killough met with Dalia Kirschbaum (NASA GSFC) to discuss her landslide algorithm and testing with the Data Cube. We agreed to pursue some validation testing with data from Colombia. In addition, we discussed the need to determine global user interest in a landslide product, from the Data Cube, for hazard risk identification or post-event landslide extent and a future paper to summarize landslide tools for decision-making.
- The SEO team is actively engaged in the Open Data Cube initiative. There are currently 3 operational country-level data cubes (Australia, Colombia, Switzerland), 4 in development (Vietnam, USA, Uganda, Taiwan), and 21 more under review or expressing interest. These country interactions have demonstrated a high interest in the Data Cube.

CEOS SEC Report

Entity: SDCG for GFOI

Prepared By: George Dyke (SDCG SEC)

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

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- Ake Rosenqvist represented Masanobu Shimada, the Space Data Component lead for CEOS (renamed the Data Component for GFOI Phase 2), at the GFOI Leads meeting in late-June. The main topic of the meeting was GFOI Phase 2, and the meeting was well supported including by FAO, Norway, Germany, Australia, SilvaCarbon (USAID), and CEOS. The development of a new Data User Advisory Group should be watched closely by CEOS, including the incorporation of *in situ* observation data topics which CEOS is not as well suited to advise on. There was some significant discussion around Early Warning (GFOI ALERT proposal), and the potential role that new satellite capabilities could play, and it was agreed to try and organise a dedicated session on this in conjunction with SDCG-12. Collaboration between FAO's SEPAL platform, and the Data Cube was also revisited.
- An invitation is being prepared by the GFOI Leads for ESA to become a Co-Lead of GFOI based on their significant resource contribution, in particular to sustaining funding for the GFOI R&D Coordination Component.

Upcoming meetings or events

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

- A coordination meeting in deforestation Early Warning is being planned for the afternoon of Monday 4th September, the day prior to the start of SDCG-12. Details remain TBA.
- SDCG is preparing for the joint meetings with LSI-VC and GEOGLAM, and will hold SDCG-12 Tuesday 5th September, as well as over two half-day sessions afternoon of Wednesday 6th September and morning of Thursday 7th.
- The details of GFOI Plenary 2018 are still being coordinated and remain to be confirmed, but latest information is early-March hosted by Colombia.

Attachments

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

CEOS SEC Report

Entity: CEOS ad hoc WG on GEOGLAM

Prepared By: George Dyke (GEOGLAM ad hoc WG SEC)

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)

- There was a successful meeting of the AMIS and GEOGLAM communities the week of 19 June, co-hosted by FAO in Rome. This included contributions from the Gates Foundation, JECAM, Sentinel2ForAgriculture, and Sigma. There remains good buy-in in to JECAM on the science side. A summary of main outcomes will be presented at the SIT TWS.
- G20 support for GEOGLAM was reaffirmed at the recent meetings in Germany.
- The EC's Horizon2020 program will include a focus on GEOGLAM, and Sentinel2ForAg has been extended for a year with an expected focus on integration of Sentinel-1 data into the activities.
- Work is on going on a Mekong Data Cube, with the SEO and JAXA collaborating in the integration of ALOS-2 data. Linkages with the Bangkok SERVIR hub (also with Geoscience Australia) are being explored.
- The 5th international RAPP workshop took place at ESRIN 16-17 May, where more than 20 organisations gathered to welcome new collaborators, and engage with new partners to pursue our efforts and improve our global rangelands monitoring system.

Upcoming meetings or events

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

- The GEOGLAM ad hoc WG is preparing for the joint meetings with LSI-VC and SDCG, and will hold two dedicated half-day sessions afternoon of Wednesday 6th September and morning of Thursday 7th. The main GEOGLAM-specific topics to be covered in these sessions will be: GEOGLAM requirements reassessment, GEOGLAM and JECAM community needs around algorithm portability and discoverability (possible like to FDA efforts), the potential impact of new observing systems on GEOGLAM (e.g. commercials, Sentinel-2, Venus), the distribution of these new capacities to the community of practice, and data distribution and cloud compute and storage deployment in support of ag monitoring.
- The GEOGLAM ad hoc WG will hold a SIT TWS side meeting Monday 11th September 11:00 – 12:00. This will be an opportunity for the group to follow-up on the discussion the week prior, prepare for the TWS presentation, and for interested agencies to sit in and understand the latest status of the group's efforts.
- The 5th iteration of the GEOGLAM and agricultural monitoring session at AGU Fall Meeting will take place 11-15 December 2017 in New Orleans, Louisiana. This year's session focuses on "Emerging Earth Observation Technologies and Techniques in Global Agricultural Monitoring: GEOGLAM and Other Activities" (description below), and abstracts are due August 2nd.

Attachments

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

CEOS SEC Report

Entity: SDG Ad Hoc Team

Prepared By: Flora Kerblat, CSIRO; Eric Wood, 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)

- Online **survey** created and circulated to the AHT SDG last week – if you haven't received it but interested in filling it in on behalf of your agency, please let us know! The answers already provided can be seen [here](#)

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)

- A compendium will be prepared with the results and presented at SIT or Plenary
- Ongoing collaboration with GEO (EO4SDGs) – communications' material
- Side meeting confirmed in Frascati at the SIT TW (need to confirm exact time, morning preferred): agenda to be prepared
- Presentations on CEOS and SDGs given to a WMO meeting in New York (NOAA), IGARSS in Texas (CSIRO)

Upcoming meetings or events

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

- None

Attachments

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

CEOS SEC-226 Report – July 2017

Entity: FDA Ad-hoc Team

Prepared By: Steve Labahn (USGS), Nick Hanowski (ESA), Alex Held (CSIRO)

Updates on issues raised during the last CEOS SEC teleconference

- None

Issues requiring discussion/decision during current CEOS SEC teleconference

- None

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)

- Based on the ‘what’ items endorsed at SIT-32, as follows, the FDA AHT has been working on the roadmap for ‘how’ and ‘when’:
 - Pursue CARD4L interoperability (optical and SAR)
 - Develop interoperable open source tools (Open Data Cube)
 - Capture user feedback and user statistics
 - Implement standardization when necessary
 - Accommodate analytical processing capabilities (longer term goal, standardization is an enabler)
- Held FDA AHT meeting on 18 July to further develop the ‘how’ and ‘when’ based on the 5 ‘what’ items above
 - 2 of 5 tasks fairly well developed and in execution state with LSI-VC for ARD and SEO for Data Cube
 - Remaining 3 tasks nearing finalization through working session this week
- Symbios supporting the FDA AHT in developing a strategic discussion paper targeted at CEOS Principals explaining the ‘what’, the ‘how’, the ‘when’... and the ‘why’

Upcoming meetings or events

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

- FDA AHT Meeting: 26 July 2017
- CEOS SIT Technical Workshop: 11-14 September 2017
- CEOS Plenary-31: 18-20 October 2017

Attachments

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

CEOS SEC Report

Entity: Moderate Resolution sensor Interoperability Initiative (MRI)

Prepared By: Gene Fosnight (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)

- The most recent draft of the MRI Framework document was distributed on 19 July for review to the MRI team for feedback.
- The release of the final draft for wider review was delayed until 14 August 2017 to permit inclusion of HLS case study summary.
- The last MRI call was held on 20 July with the next call to be held in mid August

Upcoming meetings or events

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

- LSI-VC-4 (Frascati, Italy, 5-8 September 2017)
- SIT-TW (Frascati, Italy, 11-14 September 2017)

Attachments

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