

# CEOS SEC-235 Report

**Entity:** SIT Chair Team

**Prepared By:** Kerry Sawyer (NOAA)

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## 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)**

- SIT-33 preparations:
  - o Still ongoing; registration link is live on CEOS website under the meetings tab. Please register by 1 April 2018.
  - o Version 1.3 Draft of agenda shared with CEOS community on 21 Mar 18. A number of designated presenters are still TBC. Please confirm soonest with Kerry if listed presenter can/cannot give the presentation.
  - o Additional materials, including presentation templates and guidance will be provided shortly.
  - o Strategic Directions and Partnerships for CEOS Discussion Paper also prepared and distributed with SIT-33 agenda.
- All VC and WG Tag-ups have been completed.
- All VCs and WGs, except OCR-VC, have submitted their questionnaires. We have received a few from one-generation removed leaders.
- 8<sup>th</sup> GEO Programme Board Outstanding Issue: **ACTION to SEC**: We need to identify a CEOS representative to the Sustainable Earth Observations Subgroup, CEOS is a 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.
  - o Representatives to the two other new Subgroups have already been identified:
    - David Green (NASA), WGDisasters Vice Chair is confirmed as the CEOS Representative to the Sendai Framework Subgroup
    - Kerry Sawyer (NOAA), SIT Chair Team, is confirmed as the CEOS Representative to the Work Programme Monitoring Subgroup
- A summary of CEOS-relevant outcomes from 43<sup>rd</sup> GEO Executive Committee Meeting will be provided to SEC shortly.

## 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)**

- SIT-33 Meeting will be 23-25 April 2018 in Boulder, Colorado with COM-hosted Big Data Workshop on 26 April
- GEO Symposium, 9<sup>th</sup> GEO Programme Board will be held 11-15 June 2018 in Geneva.

# CEOS SEC 235 Report

**Entity:** WGDisasters

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

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## **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 9<sup>th</sup> CEOS WG Disasters meeting took place in Brussels, March 13-15, 2018 with broad CEOS-member representation (25 attendees in person, including one new participant from UK, and 4/6 participants by teleconference) and substantial progress identified:
  - Pilot Projects (Flood, Volcano, Earthquake, and Landslide)
    - Successful close out of three Pilots (flood, volcano, and earthquake) was completed at previous meeting and acknowledged by Plenary, each delivering final reports (addressing value of data exchange and utility, research activities, partnerships, user engagement, and other lessons learned). Significant discussion on linkages between pilots and demonstrators (see below) Landslide multihazard/multisensory pilot made good progress on data requirements and access with WG approval to continue with work plan implementation.
  - Geohazard Supersites and Natural Laboratories (GSNL):
    - The Icelandic volcanoes supersite Report accepted by the WG Disasters and continuation of the supersite project is endorsed for another 2 years. Good progress on existing GSNL in form of data use and research activities. The Icelandic Volcanoes report is excellent and was judged to be a model for future reports.
  - Recovery Observatory,
    - Progress in Haiti with growing stakeholder engagement and positive feedback. Current RO workplan will continue with a three-day user workshop in May. New partners are joining, including NOAA (vector-borne disease contribution) and EC (Copernicus Risk and Recovery – two activations underway). Opportunities for broader partnerships and extension to other countries in region under review. Discussion on a global, “generic” RO are planned.
  - Geohazard Lab.
    - Progress on work plan and opportunities to leverage other CEOS data and information programs including WGISS identified.

- GEO-DARMA:
  - Assessments of data and product needs in Asia and Africa. Four project proposals formulated for further development. One may be reviewed at next SIT, the others will be reviewed in the fall (3 projects have identified financial support, capacity, and regional champions. A Mekong Flood Project is under review (due March 31) for data needs and value-adding.).
- Disaster Risk Management (DRM) Demonstrators.
  - Demonstrators introduced at previous SIT and criteria to build on Pilot projects reviewed including emphasis on increased multihazard data use, global expansion, stronger stakeholder engagement and capacity building. Identified potential leveraging across CEOS WG including WGCapD and WGISS, as well as GEO-DARMA. Three new Demonstrators proposed to build on Pilots (Seismic hazard, Volcano and Flood) are formulated and reviewed by the WG. The seismic hazard and volcano-relevant demonstrator teams are summarizing their objectives, activities, benefit to users, data needs, for consideration by the next CEOS SIT. The flood demonstrator team will continue analysis to identify leadership and partners including integration with Flood Initiatives and Partnerships of GEO., and will present at the fall meetings.
- Partnerships and Engagement
  - International Working Group on Satellite and Emergency Mapping (IWG-SEM) briefings and discussion indicate opportunities to exchange data, information, research activities, and linkages for communication.
  - Site visit to EU Emergency Management Operations Centre, review of Copernicus Emergency Management Services (including Rapid Mapping) indicate opportunities to advance research to application science

### **Upcoming meetings or events**

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

- Two side events at World Bank organized “2018 Understanding Risk Forum,” Mexico City, May 14-18, 2018, will highlight value of Pilot Project outcomes and CEOS data, research and regional initiatives. Additional participation of CEOS WG members in multiple side events and sessions will strengthen communications to risk sector including humanitarian and insurance communities.
  - 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
- in addition, CEOS speakers have been invited to join in a WB organised Disaster Risk Financing event and a NASA event “ From space to finance – A new framework for Earth observation, humanitarian, and insurance sectors”.

## CEOS SEC Report

**Entity:** WG Climate

**Prepared By:** Jörg Schulz (EUMETSAT) and John Dwyer (USGS)

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### **Updates on issues raised during the last CEOS SEC teleconference**

**(Dot points)**

- none

### **Issues requiring discussion/decision during current CEOS SEC teleconference**

**(Dot points)**

- WGISS has send out a call for adding ECV datasets missing in the IDN to responders to the ECV Inventory without informing the WGClimate. This has led to a couple of complaints by the responders to the WGClimate Chair because they do not understand what this is about and what the benefits are. Most of them are unwilling to do this.
- We will clarify with WGISS if this registration can be done without bothering the individuals distinguishing the WGISS request from the information contained in the ECV Inventory. We need to be very careful to not overload people with requests as we risk their continued support for updating the Inventory itself. The ECV gap analysis has taken the time of individuals with already busy schedules.

### **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 major part of the gap analysis report and individual parts of gap analysis on the 8 ECVs to be addressed have been drafted and will be sent out for review and discussion by WGClimate. An amended version is planned to become available for CEOS-SIT about 2 weeks ahead of the meeting in Boulder;
- GCOS IP response technical supplement draft has been provided by ESA and distributed to WGClimate for review;
- WMO issued a discussion paper on a further concept for the physical view of the architecture for the climate monitoring from space;
- Discussion with the Chair of the SCOPE-CM Executive Panel (Jeff Privette, NOAA) on the future role of SCOPE-CM will be followed by a 2 page document that may be tabled at the WGClimate meeting.
- CEOS work plan has been updated.

### **Upcoming meetings or events**

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

- WGClimate meeting 28&29 March at WMO in Geneva has been prepared, final material will be distributed on Wednesday. Joint meeting with WCRP DAC will take place on 27 March with the major discussion item on the new WCRP strategy and how the interaction with the space agencies and GCOS can be best organised.

### **Attachments**

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

# CEOS SEC 235 Report

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

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

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## **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.
  - The data providers of ECV related datasets not registered in the CEOS International Directory Network (IDN), and therefore not discoverable and accessible through WGISS Connected Data Assets Infrastructure, have been contacted and the registration process has been detailed. WGISS Connected Data Asset System Level team will follow-up. Action can be closed.

## **Issues requiring discussion/decision during current CEOS SEC teleconference**

### **(Dot points)**

- NOAA will not be able to support anymore the WGISS Infrastructure Services Project (WISP). WISP provides technological support and core services for WGISS activities including teleconference and web conference support via GoToMeeting, Website support, Mailing List and Meeting archive support. WGISS Chair will ask SEO support for these services in case no other agency actively involved in WGISS volunteers to take over WISP.

## **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 was revised and agreed with CEO in February. WGISS 2018-20 internal work-plan will be drafted in Q2 2018. Dedicated working sessions organised at WGISS#45.
- *Data Preservation and Stewardship*: Dedicated session organised at WGISS#45 to report lessons learned on Data Management and Stewardship Maturity Matrix application.
- *Data Discovery and Access*
  - Brochure on WGISS Connected Data Assets Infrastructure to publicise functionalities and benefits is being finalised.
  - Work on WGClimate *ECV inventory Version 2.0* datasets registration in IDN is continuing. The data providers of ECV related datasets not registered in the CEOS International Directory Network (IDN), and therefore not discoverable and accessible through WGISS Connected Data Assets Infrastructure, have been contacted and the registration process has been detailed. Progress will be reported and discussed during WGISS#45.
  - Data from the National Remote Sensing Center of China (NRSCC) and Academy of Opto-Electronics - AOE (which is part of the Chinese Academy of Sciences - CAS), are being registered in the IDN and will then be accessible through the WGISS Infrastructure.

- All NOAA data collections from NOAA OneStop have been registered in IDN. Access at product level being implemented.
- *Interoperability and Use*  
A dedicated workshop on FDA Elements and Technologies and introduction of DIAS will be held during the WGISS #45 meeting. A full day agenda has been already filled including an item of discussion on the possible implementation of an “FDA Test-bed”. Dedicated sessions on User Metrics and User Authentication and Identity Management are also included to start addressing FDA actions assigned to WGISS.
- *Technology Exploration:*
  - A new webinar on "Scrum and Scale Agile Method" will be organised in May.

### **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 finalised.
- PV2018 conference on Preservation Adding value and preserving data (hosted by the UK Space Agency and jointly organized 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 Report

**Entity:** WGCapD

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

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## **Updates on issues raised during the last CEOS SEC teleconference**

**(Dot points)**

- NONE

## **Issues requiring discussion/decision during current CEOS SEC teleconference**

**(Dot points)**

- VAST being the next CEOS Chair, WGCapD requests the CEOS SEC to send invitation to VAST for identifying a representative / member to understand the functioning of the WG activities and support its programs in coming years.

## **Other highlights, activities, actions, projects, collaborations**

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

- WGCapD has successfully conducted its 7<sup>th</sup> Annual Meeting hosted by INPE, Brazil.
- A good number of participants (17) attended in person, and importantly, 26 participants joined the deliberations virtually to make this a highly attended Annual meeting.
- Representatives from space agencies, CEOS CEO, GEO Secretariat, UNOOSA, and regional partners were present during the discussions.
- Work Plan document for 2018-2020 is under revision and would be dispatched by next week.

## **Upcoming meetings or events**

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

- Vice Chair, WGCapD will participate in CEOS SIT meeting next month.
- Secretariat, WGCapD will participate in the CEOS WGISS/WGCV meetings at INPE next month.

# CEOS SEC Report

**Entity:** WGCV

**Prepared By:** Kurt Thome, Chair, NASA  
Cindy Ong, Vice Chair, CSIRO

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## **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)**

- LPV subgroup held a meeting March 2, 2018 at ESA ESRIN in Frascati, Italy. Key discussions included efforts in support of Carbon Action Items including work related to the biomass validation.
- The LPV meeting was held in conjunction with a Land Product Validation and Evolution Workshop. The workshop included productive discussions related to validation networks, validation of analysis ready data, RadCalNet, and the results of the ACIX efforts. CEO S. Hosford presented a keynote talk on CARD4L
- Efforts are underway to summarize the recently published peer-reviewed results from the Atmospheric Correction Intercoparison Experiment (ACIX) in a manner suitable for the CEOS web site.
- Updates to the Cal/Val portal that is used by many of the WGCV Subgroups is continuing as well as updates to WGCV content on the CEOS website

## **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.
- IVOS subgroup meeting March 26-29, 2018 at ESA ESTEC, Noordwijk, the Netherlands
- WGCV telecon May 31
- WGCV-44 Sept. 2018 location TBD



# CEOS SEC-235 Report – March 2018

**Entity:** SEO

**Prepared By:** Brian Killough (NASA)

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## 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. Brian Killough (SEO) will attend this meeting and make a presentation.
- Brian Killough and Andrew Cherry (AMA programmer) will attend the Swiss Data Cube "Hackathon" event on April 11-13 in Geneva. The event will focus on the use of the Swiss Data Cube to support SDGs and the development of new information products.

## 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 team attended the GFOI and SDCG meetings in Bogota, Colombia on March 12-16. Side meetings were conducted with IDEAM to discuss their progress with the Colombia Data Cube. In addition, Dr. Tuan (Vietnam) and Dr. Chiou (Taiwan) presented their advancements with the Open Data Cube. Additional side meetings were conducted with DANE (Colombia statistical agency) to discuss their potential use of the Colombia Data Cube for SDG reports.

# CEOS SEC Report

**Entity:** SDCG for GFOI

**Prepared By:** Osamu Ochiai (JAXA)

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

- None.

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

- At the GFOI Lead Team meeting in Bogota the group agreed to send a letter to CEOS regarding the GFOI expectations of CEOS for GFOI Phase 2.
- **SEC to advise on whether the letter should be sent to CEOS Chair or SIT Chair?**
- The CEOS lead for GFOI will then bring this statement back to the SIT-33 meeting in April for discussion, and in turn to CEOS senior leadership to confirm their intentions and agree CEOS position for GFOI Phase 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)**

- GFOI Plenary was hosted by IDEAM, Bogota, Colombia, week of March 12<sup>th</sup>
  - GFOI Phase 2 has 4 Components including Data Component (which SDCG is a part of), CB (User Needs Assessment), MGD (Method Guidance Document), and R&D. An Early Warning ad-hoc Sub-working group has been established and lead by WRI. Priorities in 2018-2019 are mainly focusing on the User Needs Assessment and country support.
  - The new GFOI LT (Australia (Chair), CEOS, ESA, FAO, Norway, US, UK, World Bank) met and discussed the GFOI Phase 2. Each Lead also expressed their views and expectations to CEOS.
  - The new Data Component is working on the challenge of how to organize its work within GFOI. CEOS will refine the role

within the Data Component to be consistent with the Country Needs Assessments process, and to ensure the necessary links to CB, R&D and MGD Components.

- SDCG actively discussed with two co-chairs of ESA (Frank-Martin Seifert) and UKSA (Joanne Nightingale) and INPE, JAXA, USGS participants.
- 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.
- SDCG is asking GFOI to consider a more focused, and resourced R&D programme for GFOI Phase 2. SDCG is considering whether CEOS should continue to support the GFOI R&D programme (with data) in its current format.
- SDCG, in response to discussions within the GFOI community, to consider the inclusion of a global biomass baseline dataset in the SDCG Element 1 strategy. This would be in response to a number of upcoming CEOS agency missions proposing to provide data supporting the direct measuring of biomass (e.g. BIOMASS/ESA, GEDI/NASA, MOLI/JAXA, SAOCOM/CONAE, NISAR/NASA/ISRO, ICESAT2/NASA, ALOS-4/JAXA). This could be coordinated with work being done by the WGCV LPV group.
- SIT-33 Planning
  - A broad consultation will be sent to CEOS Space Agencies asking their response to GFOI Phase 2 and their expectations of the CEOS contribution.
  - A side event is being planned inviting Space Agencies for their position expressing towards the GFOI Phase 2 and their expectations of the CEOS contribution.
  - A CEOS position will be prepared for discussion and proposed for endorsement at SIT-33 Plenary.

### **Upcoming meetings or events**

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

- GFOI side event is planned in SIT 33.
- SDCG-14 is planned for the week of 3 September at JRC, as a part of joint SDCG-GEOGLAM-LSI-VC meetings.

# CEOS SEC-235 Report

**Entity:** CEOS ad hoc WG on GEOGLAM

**Prepared By:** Alyssa Whitcraft (GEOGLAM Secretariat)

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## **Updates on issues raised during the last 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, Benjamin Koetz, Alyssa Whitcraft (co-organizer of session). Alex Held is also invited.
  - o Thuy Le Toan will represent Asia-RiCE.
  - o Agenda includes a breakout session on ARD and MRI/other LSI-VC activities.
    - Still seeking representation

## **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)**

- Inbal Becker-Reshef and Ian Jarvis represented GEOGLAM at G20 Agricultural Deputies meeting (giving a presentation that was very well received), 12 March 2018 in Rosario, Argentina. It appears language on GEOGLAM has been included in their declaration (TBC).
- Carlos di Bella gave an excellent presentation at AMIS Rapid Response Forum (Buenos Aires) on 15 March 2018 about GEOGLAM Latinoamerica. This was requested by the Argentine AMIS focal point. The presentation was well-received, and the next steps include institutionatilizatoin of GEOGLAM throughout the Americas and the scoping of a Regional Crop Monitor for Latin America.
- Training on Landsat data for cropland classification hosted by EOF SAC (Matt Hansen at UMD) in GEOGLAM (Latinoamerica) context. (see attachments)
- Excellent launch of ODC in Vietnam/Mekong Delta.
- CNES and CESBIO have implemented Sentinel-1 ARD data in the VN Data Cube and have demonstrated algorithms for rice monitoring in Vietnam (February-March 2018).

## **Upcoming meetings or events**

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

- GEOGLAM Operational User Workshop, 17-18 April 2018 (Ispra, taly)
- 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

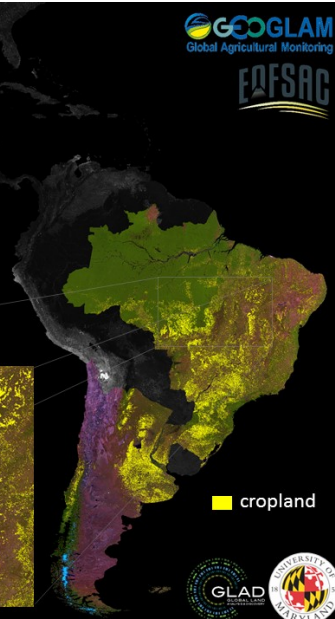
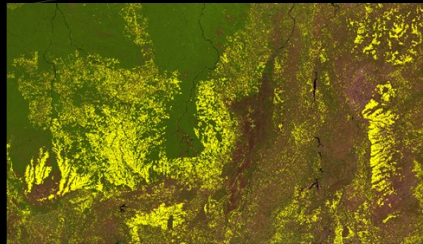
## **Attachments**

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

New website for [www.eofsac.org](http://www.eofsac.org) in development

# GEOGLAM national-scale cropland mapping

- One week workshop on supervised learning mapping of cropland using time-series Landsat data
- Product: 2017 national cropland extent with 30m spatial resolution
- Participants:
  - Mexico: Jazmin Karely Ahumada Ruiz and Alberto Dominguez Maldonado, SIAP
  - Brazil: Lucas Barbosa Fernandes, Conab
  - Argentina: Martin Moreno, Cecilia Conde, and Fernando Monti, MinAgro
  - Chile: Marcel Fuentes, INIA
- Initial accuracies ~80%
- Proof of concept of low latency, large area, accurate mapping of cropland extent



**GEOGLAM**  
Global Agricultural Monitoring

**EFSA**



Ministerio de Agroindustria  
Presidencia de la Nación



## CEOS SEC-235 Report (March)

**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)

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### Updates on issues raised during the last CEOS SEC teleconference

#### (Dot points)

- CEOS EOHB on SDGs distribution – see official announcement (Marc’s email): sent to CEOS lists, and asking for review of POC (CEOS Principals) and posting address (email) so you can receive printed copies soon

### Issues requiring discussion/decision during current CEOS SEC teleconference

#### (Dot points)

- (ongoing) request 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 SDGs, please let us know so we can inform the whole AHT SDG and GEO (EO4SDG).
- To be shared: [Call for Papers](https://www.journals.elsevier.com/remote-sensing-of-environment/call-for-papers/earth-observation-for-the-sustainable-development-goals) on EO and SDGs for the Remote Sensing of Environment Journal (Special Issue): <https://www.journals.elsevier.com/remote-sensing-of-environment/call-for-papers/earth-observation-for-the-sustainable-development-goals>

### 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:
  - Official release took place at the 49<sup>th</sup> session of the UN Statistical Commission, NYC, 6-9 March during a side session organised by UN GGIM (Statistical-Geospatial Integration Forum “Integrating Statistical, geospatial and other big data to leave no one behind” with a special panel on “Satellite observations for sustainable development goals).
  - Officially announced within CEOS (online, CEOS webpage, social media)
  - Online version now available (thanks to Matt): <http://eohandbook.com/sdg/>
  - CEOS homepage too
  - Printed copies are being sent to all CEOS Principals (distribution list = working document) – 2000 copies have been provided at the UNSC meeting already
- AHT SDG team meeting (conference call) on Wednesday 21<sup>st</sup> March: to discuss about upcoming events/presence at meetings, SIT side-meeting, work plan implementation, communications, and next steps
- AHT SDG at SIT-33 in Boulder: side-meeting (2h) will be held on Monday 23rd April, probably from 1-3pm (local time) with Webex connection details + agenda drafted (Flora) to be circulated soon after co-leads’ review
- Presentations on behalf of the team:

- NYC, at the 49<sup>th</sup> session of the UNSC: Lawrence/Argie (NASA) and Christoph Aubrecht (ESA) represented CEOS during UNSC and the UN GGIM Statistical-Geospatial Integration Forum.
- CEOS 7th Working Group for Capacity Building and Data Democracy (WG CapD) Annual Meeting (Brazil): USGS (Eric) (remotely) / Kim (NASA)
- Australia: CSIRO (Flora), GA (Jonathon Ross) on 8<sup>th</sup> March: European Commission's delegation in Canberra – meetings (including briefing on SDG) with Andreas Veisapak, Head of Space Data for Societal Challenges and Growth
- Others (to be collected on Wed's call)
- GEO:
  - AHT SDG supports EO4SDG on the communications' part (esp. related to the website, and calendar to be set up);
  - EO4SDG will be represented (for the SDG session) at the RAPP/SDG/ODC workshop to be held in Kenya the week of the 7th May (agenda to come soon)
  - AGU Book (expected publication: Jan 2019): Earth Observation Applications and Global Policy Frameworks, AGU Geophysical Monograph Series (Alex (CSIRO), Argie/Lawrence (GEO/NASA))
- Communication (Kim/Flora):
  - Flyer about EO satellite data and SDG: ready and printed (SEE BELOW)
  - "SDG updates" to be sent around soon, advertising inputs we have SO far from CEOS agencies (hopefully before this SEC call!)
- ODC and SDGs:
  - RAPP/SDG/ODC workshop in Nairobi (Kenya), 7-11 May
  - Links with ODC and other projects linked to SDG (eg opportunities in the Pacific region: Neil Sims (CSIRO) works on a DC proposal for Samoa)
- Compendium on EO contribution to the SDG Targets and Indicators
  - ESA will kick off a 400K EO4SDGs project on 20<sup>th</sup> April. First task of the project is to perform an in-depth review of the EO contribution to the SDG Targets and Indicators (output to be ready in a draft status by CEOS SIT TW and in a final status by CEOS Plenary)

### **Upcoming meetings or events**

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

- GPSDD Data for Development Festival <http://www.data4sdgs.org/news/data-development-festival> in Bristol (UK) (21-23 March)
- SIT SDG side-meeting in Boulder (23 April)
- GEOGLAM RAPP/SDG/Open Data Cube (ODC) workshop in Kenya, week of the 7<sup>th</sup> May:
  - Updates: ~40 expected participants, awaiting for other responses, agenda to be finalised

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

Figure 1 EO and SDG Flyer (to announce the EOHANDBOOK on SDG)

**CEOS**  
The Committee on Earth Observation Satellites

## Sustainable Development Goals & Satellite Data

The 2030 Agenda for Sustainable Development:  
17 Goals · 169 Targets · 232 Indicators

Satellite Earth observations will play a key role in achieving each of the 17 Goals and support national reporting on over 40 of the associated Targets. They make the global indicator framework more technically and financially feasible via the following features:

- 1 Availability, Consistency, Continuity**  
Multiple free and open data streams for decades to come at local, regional, and global scales
- 2 Complementarity & Comparability**  
Precise, continuous, observations for complementing & cross-checking traditional statistical methods
- 3 Multiple Data Sources**  
Dozens of geophysical parameters from an array of satellite missions in a range of different orbits
- 4 Accuracy & Efficiency**  
Spatially-explicit data improve reporting accuracy and reduce reporting burden for timely statistical outputs

Learn more about satellite data support to the SDGs in the Earth Observation Handbook:  
<http://www.eohandbook.com/>

Email the CEOS Ad Hoc Team on Sustainable Development Goals if you have questions/comments:  
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Figure 2 CEOS Handbook online (printscreen)

