

## CEOS SEC 213 Report – June 2016

**Entity:** WGDIsasters

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

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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 (for reference only)**

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

- Pilots (floods, volcanoes and seismic risks) including the activities related to the Supersites are progressing well with regular provision of satellite data. No issue to report.
- Excellent collaboration with the Charter took place over the last few months under USGS lead.
- Possible cooperation with AmeriGEOSS (coordinated activities).
- GSNL: Greek Supersite proposal still in evaluation by Data Coordination Team (DCT).
- Under the Recovery Observatory (RO), the 1st teleconference of a Sub-group on Data Licensing did take place and the group is still working on finalizing the membership.
- CEOS Website: Reports and presentations of pilots and RO from our latest plenary meeting in March to be made available to the public.
- Understanding Risk2016 (Venice). We co-chaired a half day event led by CEOS on satellite applications for enhanced DRM. Attendance was very good with about fifty people present. Each of the pilots presented, as well as the RO and NASA's JPL.

### **Upcoming meetings or events (for reference only)**

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

- NASA will host a Landslide Pilot meeting at Goddard the 14, 15 and 16th of June.
- Volcano Pilot Teleconference, June 23.
- WGDIsasters Meeting # 6: 6 to 8 September 2016, at CVO (Cascades Volcano Observatory, Vancouver, WA ,USA) - hosted by USGS

### **Attachments**

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

## CEOS SEC 213 Report – June 2016

**Entity:** WGClimate

**Prepared By:** Pascal Lecomte (ESA) – Jörg Schulz (EUMETSAT)

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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)**

- The call to support the population of the Cycle 2 ECV Inventory has been issued on June 2<sup>nd</sup> as planned. Responders for each ECV entry (as indicated by each Agency Focal point) are being directly contacted to provide support when populating the ECV entries. The objective is to finalise that activity by end September and to finish the Entry quality check by November this year. This will allow dedicating next year to the Gap Analysis and the Action Plan.
- The WGClimate web page is open and provides access to the questionnaire and the form to populate the ECV Inventory.
- The WGClimate Chair participated to the GCOS Implementation Plan Writing Team meeting. The GCOS IP will be released for public review this summer and formally released during COP 22 in Marrakech. The possibility of organising a side event in that occasion has been proposed by SBSTA and GCOS. WGClimate should be invited to present the Space Agency activities and the work planned to provide the Space Agency response to the GCOS IP.
- SBSTA has contacted WGClimate to prepare a Space Agency Statement as we did in the past years. The country of the CEOS Chair traditionally makes that statement at SBSTA. As it is after the CEOS plenary US (country of USGS) should make that statement. CEOS sec should decide if we prepare such a statement and if the USA will be asked to present it.

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

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

- WGClimate achievement and workplan was presented at the CGMS Plenary and endorsed.
- The WGClimate chair was present at the SBSTA 44 meeting in Bonn. A poster describing the links between SBSTA, GCOS and the Space Agencies was presented followed by the participation to the Research Dialogue between the Scientific community and the Parties.

### **Upcoming meetings or events (for reference only)**

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

### **Attachments**

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

## CEOS SEC 213 Report – June 2016

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

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

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### 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 (for reference only)

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

- **The CEOS OpenSearch Best Practice version 1.1 was released.** This last release is based on previous 1.0.1 version, but it also takes care of comments, reviews and feedback relevant for and agreed with the CEOS OpenSearch working group.
- New entries were added to the IDN (International Network) from ESA, EUMETSAT, and JAXA datasets.
- ISRO NRSC (National Remote Sensing Center) is testing their new online ordering system integration with CWIC; it became operational last month.
- On June 6<sup>th</sup> WGISS (Andy Mitchell) presented (virtually) at **CGMS-44 subgroup IV (Global Data Dissemination)** on the use of CEOS WGISS Interoperability services and standards.
- WGISS was asked by HUNGAI (Hungarian Association for Geoinformation (HUNAGI)) to co-author a presentation at **GSDI (Global Spatial Data Infrastructure World Conference ) 15 World Conference** (Track 3 - Earth Observation, Sensors, Geo Technology & SDI Innovation Theme 5. Earth Observation and Sensors) about WGISS interoperable standards and information architectures. 28<sup>th</sup> Nov – 2<sup>nd</sup> Dec 2016

### Upcoming meetings or events (for reference only)

- WGISS 42<sup>nd</sup> meeting - September 19<sup>th</sup> to the 23<sup>rd</sup> – Frascati, IT
    - **Cloud Computing Workshop on September 20<sup>th</sup>**
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### Attachments

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

## CEOS SEC 213 Report – June 2016

**Entity:** WGCapD

**Prepared By:** Jane Olwoch (SANSA) and Senthil Kumar (ISRO)

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

**None**

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

**None**

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

#### New projects and opportunities

- **GEOCAB Portal:** The Working group's plan to populate the GEOCAB Portal with CEOS and CEOS agencies capacity building activities is progressing well. NASA who is the lead of the activity has provided an overview of GEOCAB, and the process to add new metadata for a new training resource. It was agreed that each CapD member agency adds their resources.
- **Providing practical EO education for students and teachers:** The Working group was represented at the Living Planet Symposium by ESA and DLR. The report is being prepared and will be presented in the next Sec meeting.
- **The SAR training workshops:** The periods in which the SAR training workshops will take place is now fixed. Zambia training is currently set for third quarter and Gabon for 4<sup>th</sup> Quarter. Exact dates will be decided on in the next WG CapD telecon in July.
- **SRTM workshop:** Preparation for the Nepal SRTM workshop is progressing well and is scheduled to take place in late August. It will be hosted by ICIMOD with support from SERVIR and SWF .

**End of the report**

## CEOS SEC 213 Report – June 2016

**Entity:** Working Group on Calibration and Validation

**Prepared By:** Albrecht von Bargaen (DLR)

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

- none

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

- The ToRs of CEOS WGCV had been now finalised and agreed in CEOS WGCV. CEOS WGCV kindly asks to circulate the ToRs in advance to the CEOS plenary for approval at CEOS plenary.
- Chair and Vice-chair did search without any success but a lot of effort in the background for a vice-chair candidate. It turned out that only a limited set of agencies are capable to serve the chair. The search was also hampered by additional constraints such as budget. Both like to raise the awareness to the CEOS chair's level for a successful solution. A candidate from Asia/Pacific would be the ideal case of complement in terms of function and region.

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

- Carbon action item analysis under implementation
- Preparation of upcoming plenary meeting; CEOS WGCV secretariat develops concept update for WGCV website
- Two day CEOS WGCV / LPV meeting during Living Planet Symposium 2016 in Prague
- WMO / GSICS-EP meeting: Participation of WGCV Chair as observer. High appreciation for attendance; intensive discussion in side conversation about how the future cooperation with GSICS shall be shaped; Chair of GSCIS Research Working Group is invited to CEOS WGCV plenary (this shall be continued); End of June will be a meeting between both, chair of WGCV and GSICS/GRWG chair at EUMETSAT to prepare details to find fields of concrete cooperation aside combined meetings of several subgroups

### **Upcoming meetings or events**

- CEOS WGCV / MWSG meeting hosted by Chinese Academy of Science, Beijing, July 2016
- CEOS WGCV / IVOS meeting hosted by Chinese Academy of Science, Beijing, July 2016
- CEOS WGCV plenary hosted JAXA, Denki University Tokyo, 5-7 Sep 2016
- CEOS WGCV / SAR meeting hosted by JAXA, Denki University Tokyo, 7-9 Sep 2016

## CEOS SEC 213 Report – June 2016

**Entity:** CEO Team

**Prepared By:** CEO Team

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

**(Dot points)**

- The ceos-deliverables.org tracker has now been fully updated to reflect the *CEOS 2016-2018 Work Plan*.
- Status updates for **all** objectives/deliverables are to be provided by WGs and VCs during their forthcoming SIT Chair TagUp. CEOS Entities are also invited to use the tool to track progress against approved objectives/deliverables.
- Following discussion with the Carbon Expert (Mark Dowell, EC) the 40+ separate items for sub-actions of CARB-08 (CEOS Carbon Strategy Implementation) have not been individually included.

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

**(Dot points)**

- The DCEO has been liaising with KMA about their proposal to join CEOS. KMA will shortly be submitting a letter to the CEOS Chair.
- There has been no further progress in relation to potential membership of EUSATCEN or MBRSC (UAE).

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

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

- The AEM has been reengaged and they prepared a list of potential disasters –related proposals for CEOS to consider. WG Disasters Chair is following up with AEM.
- CEOS submitted the SEO-led datacube development work as part of GEO's GI-18. The work will likely be included in the revised Implementation Plan being re-submitted by the end of July.
- A CEOS template document is under development (CEO, CEOS Chair team and SEO): the aim is to collect information from CEOS agencies about applications related to the SDGs promoted by their agency, for CEOS to be able to use it to produce communication materials including a dedicated webpage on CEOS website.
- A side-meeting is planned during the SIT TW to prepare the content to be submitted to CEOS Plenary for approval.

### **Upcoming meetings or events (for reference only)**

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

**Nil input. Refer to calendar for details.**

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### **Attachments**

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

## CEOS SEC 213 Report – June 2016

**Entity:** CEOS Representatives to the GEO Programme Board

**Prepared By:** Stephen Briggs (ESA, SIT Chair, primary rep), Ivan Petiteville (ESA, SIT Chair Team, alternate) and Jonathon Ross (GA, CEO, alternate)

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

**(Dot points)**

- Report to last SEC referenced a side meeting held to discuss GD-08: the SBA-based requirements analysis process. Although the meeting was successful and a concrete set of next steps was identified in that meeting, there has not yet been any follow up activity. It has been proposed to start with the following SBAs:
  - Food Security and Sustainable Agriculture
  - Sustainable Urban Development

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

**(Dot points)**

- The Programme Board’s formal review of Initiatives and Flagships proposed for inclusion in the GEO 2017-2019 Work Programme is now underway. Each proposal will be reviewed by a team of three, with a lead reviewer and two contributing reviewers. An initial review is to be completed by 8 July, with feedback provided to the proponent helping them to submit a revised proposal by 31 July for final review. CEOS is engaged in the following review teams:
  - GI-05 “Global Carbon Observation and Analysis System”. Lead reviewer – Stephen Briggs.
  - GI-08 “GEO Geohazard Supersites and Natural Laboratories (GSNL)”. Lead reviewer – Jonathon Ross.
  - GI-24 “The Global Drought Information System Global Initiative”. Lead reviewer – Ivan Petiteville.
- Any SEC members who wish to provide CEOS’s representatives to the GEO Programme Board with any thoughts on any of the proposed Initiatives and Flagships, the proposals can be found here: [ftp://ftp.earthobservations.org/Programme Board/WP\\_proposals\\_20160603/GI-GF/](ftp://ftp.earthobservations.org/Programme Board/WP_proposals_20160603/GI-GF/)

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

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

- The team have recently provided comments, in capacity as ExCom Observer, on the proposed GEO Engagement Strategy. Comments were CC’d to ceos-sec for reference.
- CEOS’s representatives are contributing to a number of sub-groups including:
  - A review of the Foundational Tasks. This sub-group has been tasked with making recommendations on how to structure and prioritise the Foundational Tasks in the future GEO Work Programme. Key challenges for the sub-group are:
    - Providing guidance to support GEOSEC in prioritising its allocation of resources, which are below what they have requested.
    - Identifying opportunities for Members/POs to “step up” and contribute to Foundational Tasks.
    - Identifying any critical ‘gaps’ in the activities proposed within the Foundational Tasks.
  - A review of the Programme Board Terms of Reference. A number of important topics are being considered:
    - Whether ‘voting’ will be adopted as part of the “consensus-making” approach.
    - The role of alternates.
  - A review of ‘GEO Branding Guidelines’.

**Upcoming meetings or events (for reference only)**

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

- Stephen Briggs will attend the forthcoming ExCom meeting on behalf of CEOS as an ExCom Observer.
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**Attachments**

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



## CEOS SEC 213 Report – June 2016

**Entity:** SIT Chair Team

**Prepared By:** Ivan Petiteville (ESA)

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

**(Dot points)**

- SIT-31 minutes have been finalised and distributed
- Action 210-03 (“SIT Chair team to invite the COVERAGE team to present at SIT Technical Workshop.”): Vardis Tsontos and Jorge Vazquez (NASA JPL) have proposed to give a presentation on COVERAGE during the SIT Technical Workshop (last day).

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

**(Dot points)**

- None

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

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

- The **2<sup>nd</sup> round of teleconferences between the SIT Chair and the VCs / WGs Leads and Chairs** will take place during the 1<sup>st</sup> half of July with the exception of the teleconference with WGDIsasters (17 June). All teleconferences with VCs and WGs have been scheduled except for the following four VCs that have not indicated their preferred dates yet: Atmospheric Composition, Ocean Colour Radiometry, Ocean Surface Topography and Ocean Surface Vector Wind.
- **SIT Technical Workshop:**
  - The booking deadline for the CEOS block booking at St. Anne’s College, Oxford is Thursday 30th June. Link to booking site can be found on the SIT Technical Workshop (SIT TWS) web site (<http://ceos.org/meetings/2016-sit-tech-workshop/>). Some have had encountered difficulties in booking rooms already from Saturday 10 September; this has been solved with St Anne’s administration.
  - On-line registration has been opened on the SIT TWS web site. Deadline for registration August 1.
  - Six side-meetings will be held on Monday, 12 Sep. (see week at a glance on the SIT TWS web site). The Carbon Strategy session will take place inside the VC/WG day on 13 Sep.
  - The draft SIT TWS agenda has been distributed to CEOS SEC; deadline for review is Thursday 16 June; an updated version will be circulated more broadly to the whole CEOS the week of 20 June. The draft agenda will be circulated again on 18 July. Final version will be issued on 23 Aug.
  - The draft agenda for the VC/WG Day will be circulated shortly after the last VC/WG teleconference with the SIT team.

### **Upcoming meetings or events (for reference only)**

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

- 2nd round of teleconferences between the SIT Chair and the VCs / WGs Leads and Chairs.
- The 32<sup>nd</sup> CEOS SIT meeting will take place on 25-27 April 2017.

### **Attachments**

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

## CEOS SEC 213 Report – June 2016

**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**

- World Bank is hosting a Data Cube Workshop on **July 12-13** at the University of Maryland, near Washington, D.C. The meeting will be focused on educating the World Bank team on the Data Cube architecture, getting feedback from the Colombia and Kenya teams, and developing plans for a new country demonstration in 2017. World Bank has a particular interest in water management.

### **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 hosted a Data Cube workshop on **June 7-8** in Hampton, Virginia to develop a QGIS connection to the Data Cube. Chris Holden from Boston University, Alyssa Whitcraft (GEOGLAM) and George Dyke (Symbios, SEO Team) attended. Plans were developed for several plugin tools that will allow browsing of data cube content, time series analysis using CCDC and BFAST, custom cloud-free mosaic creation and water analyses, similar to the Australian WOFS tool. This open source Geographical Information System (GIS) tool is broadly used by the community, so a connection to the Data Cube will be a valuable addition.

## CEOS SEC 213 Report – June 2016

**Entity:** SDCG for GFOI

**Prepared By:** S. Ward (SDCG SEC)

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

**(Dot points)**

- London briefing (6 Sep) and SDCG-10 (7-9 Sep) in Reading progressing as planned.

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

**(Dot points)**

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

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

- At the REDD Exchange Days in Oslo the US Secretary of State John Kerry and the Norwegian Minister of the Environment Vidar Helgesen signed an agreement supporting conservation of tropical forest and REDD+. GFOI was mentioned in the agreement. Statement here: <http://www.state.gov/r/pa/prs/ps/2016/06/258502.htm>. GFOI is mentioned as the first item under specific areas of collaboration.
- The Global Data Flows study is coming to a conclusion. SDCG believes there are implications for the future data architectures study and for future CEOS priorities in this area. Feedback from countries and intermediaries is underway and SDCG will bring provisional conclusions and recommendations to SIT Technical Workshop.

### **Upcoming meetings or events (for reference only)**

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

- SDCG-10: September 2016, U.K. (7-9 Sep, Reading), with a briefing to UK Govt agencies on GFOI in London on 6<sup>th</sup> Sep.
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### **Attachments**

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

More information at <http://ceos.org/sdcg> and [www.gfoi.org](http://www.gfoi.org).

## CEOS SEC 213 Report – June 2016

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

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

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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 (for reference only)

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

- GEOGLAM Crop Monitor for Early Warning (CM4EW) continues to have strong reception, and relationship between GEOGLAM and AMIS is being formalized with GEOGLAM having a spot on the AMIS Steering Committee.
- GEOGLAM preparing to present its data requirements (and user requirements) at the European Commission's workshop on Copernicus Agriculture and Forestry Applications User Requirements Workshop, 30 June 2016. Inbal Becker-Reshef will present materials on behalf of Alyssa Whitcraft.
- The US Department of Agriculture (USDA) sponsored a USDA-JECAM workshop in Ames, Iowa on May 24-26 to discuss and promote satellite calibration/validation collaboration between JECAM sites and USDA Long-Term Agroecosystem Research (LTAR) Network. The workshop coincided with the NASA Soil Moisture Active Passive (SMAP) field campaign near Ames, IA and included on-site review of the SMAP ground calibration/validation site.

### Upcoming meetings or events (for reference only)

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

- GEOGLAM Latinoamerica hosted a training workshop, 7-10 June in Bogota, Colombia – 5 instructors (Argentina (INTA), Brazil (CONAB), Canada (AAFC), USA (UMD) x2). Great success with participation of 50 students.
- GEOGLAM RAPP Meeting coming up in South Africa, June 20-22.
- AMIS Meeting in Rome, June 22-24<sup>th</sup>:
  - 23<sup>rd</sup> = GEOGLAM-AMIS National Partners Panel
  - 23<sup>rd</sup> = GEOGLAM Implementation Team Meeting
    - Issues from April CEOS Ad Hoc WG side meetings at SIT-31 will be raised
  - 24<sup>th</sup> = 2<sup>nd</sup> GEOGLAM Advisory Committee Meeting (Alex Held is on AC as CEOS Chair; Selma Cherchali plans to attend as observer; CEOS interactions will be presented by Alyssa Whitcraft)
- GEOGLAM Session and Working Meeting on upcoming/emerging "AfriGAM" activity at AARSE in Kampala, Uganda (24-28 October 2016). Engaging broader participation in GEOGLAM from Africa.
- JECAM Annual Meeting in Kyiv, Ukraine - 10-14 October
- International Meeting on Land Use and Emissions in South/Southeast Asia, 17-19 October 2016 – co-organized by many, including Asia-RiCE (CESBIO), GEOGLAM (UMD), NASA, with strong national partners (<http://sari.umd.edu/meetings/international-meeting-land-use-and-emissions-southsoutheast-asia>)
- GEOGLAM AGU session planned for December 2016 (pending approval by AGU organizing committee)

### Attachments

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

## CEOS SEC 213 Report – June 2016

**Entity:** WSIST (Water Strategy Implementation Study Team)

**Prepared By:** Chu Ishida (JAXA)

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

**(Dot points)**

- Search for a new leader of the extended WSIST continues
- I would like to coordinate with CEOS SEC to handle this Plenary action.

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

**(Dot points)**

- None

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

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

- FS work plan was revised to reflect feedbacks from CEOS Principals and other members at SIT-31
- Precipitation-soil moisture observation synergy case study is being conducted with a target of preparing first draft by the end of June.
- FS progress has been reported to the IGWCO-CoP annual meeting (June 6-9, German Federal Institute of Hydrology, Koblenz, Germany).
- 7<sup>th</sup> FS telecon is planned for last week of June or first week of July to discuss the precipitation-soil moisture case study and overall FS report and other CEOS proposed actions other than FS.

(WSIST work plan)

**Jan - Mar:** Collection of data and information on requirements, existing/future capabilities, relevant CEOS missions

**Apr - June :** Assessment of observations for the priority parameters  
Precipitation-soil moisture observation synergy case study

**Jul – Sep :** Study on synergistic observations and architecture

**Oct :** Preparation of report

**Nov :** Report at Plenary

### **Upcoming meetings or events (for reference only)**

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

- WSIST telecon#7 (being coordinated for last week of June or first week of July)

### **Attachments**

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

None

## CEOS SEC 213 Report – June 2016

**Entity:** FDA AHT

**Prepared By:** Thomas Cecere (USGS)

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

#### **(Dot points)**

- 212-05 FDA AHT to keep CEOS and SIT Chairs updated on its proposed report recommendations and ensure that these are shared ahead of the SIT Technical Workshop
  - - June 1 telecon focused on this topic: Considering suggesting an endorsement of a CEOS Analysis Ready Definition
  - Considering suggesting the development of some minimum standards (for vis through SWIR and possibly radar) to be considered CEOS ARD (for land applications?)
  - Recommend developing a best practices document related to creating CEOS Analysis Ready Data for the purpose of integrating in a data cube or applications environment (to include DEMs, Atmospheric Calibration, QA related metadata (identifying cloud, shadow, etc. where feasible) or other identifiers that might be considered "standard").

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

#### **(Dot points)**

- Is there a desire for the FDA AHT to come up with actions for the CEOS Principals to consider that would involve providing resources and some type of commitment (regarding data and products)?

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

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

- Attended a workshop (7-8 June) hosted by Brian Killough's team in Hampton VA regarding QGIS and data cubes – extremely informative and well-timed as we are considering the state of current and potential future architectures.

### **Upcoming meetings or events (for reference only)**

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

- FDA-AHT telecon #7 to take place either June 21, 22 or 23 from 1100-1230 UTC
- Face to Face opportunity the Monday before the SIT Technical Workshop

### **Attachments**

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