**Minutes V1.0**

**208th CEOS SECRETARIAT MEETING**

Thursday 10th December 2015

7AM US East, 1PM Europe, 9PM Tokyo, 11PM Sydney

Chaired by CSIRO

**Participants:**

**CEO Team:** Marie-Josée Bourassa, Jonathon Ross

**CSIRO:** Alex Held (Chair), Caroline Bruce, Flora Kerblat, Stephen Ward, George Dyke, Matthew Steventon

**GEO:** Osamu Ochiai

**JAXA:** Nobuyoshi Fujimoto, Masatoshi Kamei, Koji Akiyama, Naoko Matsuo, Yukio Haruyama

**NASA:** Christine Bognar

**NOAA:** Brent Smith, Kerry Sawyer

**SEO:** Brian Killough

**SIT Chair Team:** Ivan Petiteville

**USGS:** Eric Wood, Tom Cecere

**WGCapD:** Jane Olwoch

**WGClimate:** Pascal Lecomte

**WGCV:** Albrecht von Bargen

**WGDisasters:** Stéphane Chalifoux, Simona Zoffoli

**WGISS:** Andy Mitchell

1. **Welcome and Introductions**
2. **Review of Agenda**

Alex Held (CSIRO) reviewed the agenda and noted that the call has been extended to 1.5 hours to accommodate follow-up from CEOS Plenary, GEO Ministerial Summit and GEO-XII Plenary.

1. **Review of Actions**

Jonathon Ross (CEO, GA) reported that SEC action 205-07 can be closed, and Kerry Sawyer (NOAA) noted that the due date for action 207-08 should be corrected to SEC 209.

1. **CEOS Plenary, GEO Ministerial, GEO Plenary – Recap and Discussion**

Alex Held (CSIRO, Chair) gave a brief overview of the key outcomes from these meetings, referring to the letter already circulated and noting that:

* CEOS will be represented on the GEO Programme Board, and there is the potential for substitution of representatives;
* Many good interventions were made by the CEOS delegation to GEO, and CEOS support for GEO was well communicated;
* A number of side meetings were attended by the CEOS delegation, including the GEOGLAM Advisory Committee meeting and sessions on GFOI and the UN SDG’s; and,
* The CEOS Exhibition Booth was very effective and many high-level visitors stopped by.

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| **208-01** | Alex Held to circulate the report/summary of the UN SDG side event that was held at the GEO meetings in Mexico City. | **15th December 2015** |
| **208-02** | Alex Held to send CEOS Principals the long-form summary report of the GEO meetings. | **15th December 2015** |

Osamu Ochiai (GEO SEC) and Brent Smith (NOAA) noted the omission of Participating Organization reports during GEO-XII Plenary (due to time constraints). Osamu reported that Barbara Ryan (GEO SEC) recognises that this wasn’t ideal, and she will be following up with PO representatives personally.

Jonathon Ross (CEO, GA) noted the need to compile a summary of the scale, scope and impact of CEOS contributions to GEO, in support of the CEOS ExCom Observer nomination. Brent Smith (NOAA) recalled the related SEC action 204-07 and Andy Mitchell (WGISS Chair, NASA) noted that WGISS is undertaking efforts to derive metrics using CWIC and FedEO.

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| **208-03** | CEOS SEC to submit materials and resources that demonstrate the scale, scope and impact of CEOS contributions to GEO. Inputs should be sent to the SIT Chair Team and CEO Team in support of CEOS’ ExCom Observer nomination at the first GEO Programme Board meeting in February. | **15th January 2016** |

**Discussion**

* Ivan Petiteville (SIT Chair Team, ESA) noted that the rules of procedure for the GEO Programme Board have been revised, and GEO SEC has received 42 nominations (from 23 GEO Members and 19 Participating Organisations). Several candidates have proposed one Principal and one Alternate, resulting in 62 people being nominated to the Programme Board. CEOS has nominated Stephen Briggs (SIT Chair) as Principal and both Jonathon Ross (CEO) and Ivan Petiteville (SIT Chair Team, ESA) as Alternates.
* It is unclear how this over-declaration of candidates will be resolved (the agreed maximum Programme Board size is 32). The decision would normally be the responsibility of the ExCom, however they will not meet until January.
* Osamu Ochiai (GEO SEC) noted that Barbara Ryan (GEO SEC) has raised the issue with the ExCom Chairs and she hopes to resolve the issue by December 18th.
1. **Working Group Reports**

**WGDisasters (Stéphane Chalifoux, Chair)**

Stéphane Chalifoux (Chair, CSA) and Simona Zoffoli (Co-Chair, ASI) will be leading WGDisasters for the next 2 years.

Following its endorsement at CEOS Plenary, an invitation to join and contribute to the new Multi-hazard / Multi-sensor pilot on Landslides was sent to WGDisasters contributing agency representatives, partners and stakeholders.

The Recovery Observatory (RO) awaits activation and significant work is ongoing to define products. The Recovery Observatory Oversight Team (ROOT) Chair and the Global Facility for Disaster Reduction and Recovery (GFDRR) are organising a working session of the ROOT to address new product development for the Observatory.

In Mexico City, GEO-XII Plenary endorsed the GEO Transitional Work Programme 2016, which includes the GEO-DARMA initiative. Luc St-Pierre (UNOOSA) has volunteered to lead the coordination of regional institutions that might join GEO-DARMA.

CEOS Agencies have responded positively to the continuation of the Hawaii and Iceland permanent Geohazard supersites, following the endorsement of their two-year extension at the 29th CEOS Plenary in Kyoto, Japan.

**Upcoming Meetings**

* *Working Session of the Recovery Observatory Oversight Team (ROOT) at the World Bank Headquarters in Washington DC on December 10th, 2015.*
* *WGDisasters Meeting #5 hosted by DLR (8th – 10th March 2016, Bonn, Germany).*
* *WGDisasters Meeting #6 hosted by USGS (6th – 8th September 2016, Cascades Volcano Observatory, Vancouver, WA, USA).*

**WGClimate (Pascal Lecomte, Chair)**

Pascal Lecomte (ESA) assumed the position of WGClimate Chair at CEOS Plenary. Since then he has sent a letter to Carolin Richter (GCOS) to address CEOS Plenary actions 29-1 and 29-2. Pascal noted that a review of WGClimate membership is currently ongoing, in preparation for the next WGClimate meeting. Alexandra Nunes (EUMETSAT) has commenced full time support for the ECV Inventory as of the 7th of December.

The CEOS report to SBSTA-43 was delivered by Australia and was well received. WGClimate also had the informal opportunity to comment on the draft conclusions of the SBSTA meeting. The COP21 TweetChat was very well received and many people actively participated in the event. As a result, resources on satellite Earth observations and CEOS have been seen by many thousands of people.

Pascal noted that the latest draft of the SBSTA-43 report is not ideal, as the decisions text is very limited and CEOS is no longer explicitly mentioned (it is unclear why this change occurred). Previously, CEOS was referenced regarding the preparation of another report for SBSTA-45 and contributing a response to the new GCOS IP.

**Discussion**

* Kerry Sawyer (NOAA) noted that CEOS’ past efforts are still recognised in the SBSTA-43 report. Pascal agreed, however he expected that there would be explicit references/actions related to future CEOS work and reporting.

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| **208-04** | Alex Held and Jonathon Ross to follow up the Australian delegates to SBSTA-43 to understand why references to future CEOS work were removed from the SBSTA-43 report. | **SEC 209** |

**Upcoming Meetings**

* *AGU Fall Meeting, 14th – 18th December, San Francisco, USA.*
* *AMS Annual Meeting, 10th – 14th January 2016, New Orleans, USA.*
* *WGClimate Chair and Vice-Chair meeting at EUMETSAT to finalise the 4-year activity plan (14th January 2016).*
* *Pascal Lecomte will present WGClimate activities at the next WMO Consultative Meeting (28th – 29th January 2016).*
* *Global Climate Observation: Road to the Future, 2nd – 4th March 2016, Royal Academy of Arts and Sciences, Amsterdam, The Netherlands. Registration for the conference will be open on the 15th of October 2015. For more information please visit:* [*www.gcos-science.org*](http://www.gcos-science.org) *or contact the organizing committee at* *GCOS-SC@eumetsat.int*
* *Next WGClimate Meeting, Paris, France, hosted by CNES (7th – 9th March 2016).*
* *WDAC #5 in Asheville, NC, USA (4th – 8th April 2016).*

**WGISS (Andy Mitchell, Chair)**

Andy reported that the WGISS Terms of Reference were updated and submitted to the CEO Team ahead of CEOS Plenary, in accordance with Work Plan Objective/Deliverable ORG-7. WGISS has also implemented the new Data Purge Alert procedure that was endorsed at Plenary.

WGISS has initiated discussions with Geoscience Australia, CSIRO, Australian Bureau of Meteorology and Australian National University/National Computational Infrastructure to make their data accessible via WGISS interoperable standards (i.e. IDN, CWIC). WGISS has also continued working with ISRO to connect their second data center to CWIC.

The WGISS Future Access of Data (FAD) subgroup was launched to define how WGISS can help set guidelines and standards for Data Cubes and Analysis-ready Data (ARD). This group will also address three closely related actions: support to the incoming CSIRO CEOS Chair initiative on Future Data Access & Analysis Architectures, support to LSI-VC, and to respond to CEOS Work Plan action DATA-03.

WGISS is also working to finalise the WGISS Glossary of Terms by the end of 2015.

**Upcoming Meetings**

* *CWIC Annual Meeting, Washington DC, USA (9th – 10th February).*
* *WGISS#41 (joint WGISS/WGCV meeting) hosted by CSIRO and GA in Canberra, Australia (14th – 18th March).*
* *WGISS#42, location TBD (week of September 19th or 26th).*

**WGCapD (Jane Olwoch, Chair)**

Jane reported that:

* SRTM Training Workshops in Gabon (possibly supported by ESA and EC) and Nepal are being explored;
* ISRO will be leading future Webinar Series;
* SANSA, ESA and NASA will explore a new activity on SAR training in Africa – following a successful workshop held by SANSA earlier this year that highlighted the need/demand; and,
* WGCapD is now a participant in the GEOCAB Portal and a memorandum of understanding will be signed shortly. Jane will explore and communicate the potential contributions of WGCapD.

**Upcoming Meetings**

* *WGCapD 5th Annual Meeting, NASA Langley, Virginia, USA (29th – 31st March).*

**WGCV (Albrecht von Bargen, Chair)**

Albrecht reported that:

* Announcements for the WGCV#40 meeting are expected to go out by the end of this week;
* Inputs for the Carbon action items analysis have been collected from the WGCV sub-groups;
* A successful meeting of the Infrared and Visible Optical System sub-group was held at the beginning of November and more details/a report will be provided in January 2016;
* WGCV is preparing a new, consolidated website/outreach concept for WGCV, which includes the Cal/Val Portal; and,
* Work continues on the new WGCV Terms of Reference and Work Plan, for submission ahead of the next CEOS Plenary.

**Upcoming Meetings**

* *WGCV#40 hosted by CSIRO and Geoscience Australia in Canberra (14th – 18th March 2016) with a WGISS meeting in parallel (including joint sessions).*
* *CEOS WGCV Land Product Validation Sub-group Meeting (during the ESA Living Planet Symposium, May 2016).*
* *WGCV#41 hosted by JAXA (September 2016) in conjunction with a SAR sub-group meeting.*
1. **CEO Report**

The following is a record of the points raised during the teleconference only. For the full CEO Team update, please refer to the written report circulated ahead of the call.

**CEOS Work Plan 2016-2018**

Jonathon Ross (CEO, GA) reported that draft version 0 of the CEOS Work Plan 2016-2018 has been released for input by Working Groups, Virtual Constellations and Ad-Hoc Teams. Input is due by the end of December to enable iteration and broader release of version 0.5 for review – consistent with plan communicated at Plenary. Entities should focus on defining clear, concrete objectives/deliverables for inclusion in the tables, as this provides the basis for progress tracking. Jonathon asked that any requests for assistance be communicated to the CEO Team as soon as possible (before December 24th).

The database at <http://www.ceos-deliverables.org/> will not be updated until the virtual endorsement process is complete.

**United Nations Sustainable Development Goals**

Marie-Josée Bourassa (DCEO, CSA) reported that CEOS is awaiting the new version of the GEO Transitional Work Programme 2016 in order to be able to gauge potential contributions to the UN Sustainable Development Goal (SDG) initiative – especially in regard to the proposed pilot project. In the short term, the CEO Team would like to build a knowledge base on the applicability of space-based EO data to the UN SDG’s. As CEOS efforts will take place via GEO and UN-GGIM, CEOS must await further direction from the international community, however in the meantime we will work to define how CEOS can contribute. The CEO Team will seek input from CEOS entities very shortly.

A half-day side meeting to discuss the role of EO in supporting SDG monitoring is being scheduled for the UN Statistical Commission meeting to be held in New York in March. CEOS participation would ideally be strong.

1. **GEO SEC Report**

Osamu Ochiai (GEO SEC) provided a brief update on the GEO Transitional Work Programme 2016. He noted that version 4.0 of the Work Programme will be released on December 18th (taking into account feedback received by the deadline of December 6th) and that ‘kick-off‘ teleconferences will follow.

Osamu also noted that the IPWG has been disbanded, the Programme Board will hold its first meeting at the beginning of February (timing TBC on/after December 18th) and the GEO Work Programme Symposium is being planned for the 3rd week of May (TBC, 16th – 18th May). A second Programme Board meeting might take place during the two days following the GEO Work Programme Symposium (dates and venue for both are still TBC).

**Upcoming Meetings**

* *1st GEO Programme Board Meeting (2 days at the beginning of February 2016, TBD).*
* *35th GEO ExCom Meeting (March 8th – 9th 2016)*
* *GEO Work Programme Symposium, mid-May 2016 (TBD)*
* *2nd GEO Programme Board Meeting, mid-May 2016 (TBD)*
* *36th GEO ExCom Meeting (July 2016, TBD)*
* *37th GEO ExCom Meeting (November 8th 2016)*
* *GEO-XIII Plenary (November 9th – 10th 2016)*
* *3rd Programme Board Meeting (mid-September, before submission of Plenary documents)*

**Discussion**

* Ivan Petiteville (SIT Chair Team, ESA) noted that SIT Technical Workshop 2016 is planned for the 13th – 15th September, and he asked that GEO SEC please avoid having the 3rd GEO Programme Board Meeting during that week.

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| **208-05** | Osamu Ochiai to inform GEO SEC that CEOS SIT Technical Workshop is planned for the 13th – 15th September 2016, and to ensure that the 3rd GEO Programme Board Meeting is not held during the same week. | **SEC 209** |

1. **SIT Chair Team Report**

Ivan Petiteville (SIT Chair Team, ESA) reported on behalf of the SIT Chair Team, and noted that Stephen Briggs (SIT Chair, ESA) sends his apologies for being unable to attend.

**LSI-VC**

After the decisions made at CEOS Plenary, LSI-VC is now managed like the other six VC’s. The first teleconference of the renewed LSI-VC is planned for the 15th of December.

**SIT Vice-Chair 2016-2017/SIT Chair 2018-2019**

Some initial discussions have taken place between the current SIT Chair and CEOS Principals, however CEOS Plenary action 29-7 remains open.

**Virtual Constellation/Working Group Coordination**

A series of teleconferences between the SIT Chair Team, VC’s and WG’s are being planned, and the timing for these meetings is currently being coordinated (4/12 responses received).

**SIT-31**

The agenda for SIT-31 is currently being considered. The SIT Chair intends to propose a discussion on strategies to improve the connection between CEOS and the UN, donors, and other institutions. Discussion will also focus on CEOS resources and consideration of how to best contribute to various efforts.

**Discussion**

* Christine Bognar (NASA) recalled that CEOS strongly acknowledged the convening power of GEO in its statements to GEO-XII Plenary and the Mexico City Ministerial Summit, and as such, any efforts to improve connections to the UN, donors, and other institutions should be consistent with this and done in cooperation with GEO – to avoid contradicting the message that was recently conveyed. Osamu Ochiai (GEO SEC) recommended establishing a connection on this with Bob Samors (GEO SEC External Relations Manager).

**Upcoming Meetings**

* *A CEOS-GEO Coordination Meeting is being planned around the 1st GEO Programme Board Meeting (1st/4th February 2016, TBD)*
1. **Systems Engineering Office (SEO) Report**

Brian Killough (NASA) gave a brief CEOS Systems Engineering Office (SEO) Report.

The SEO (Kim Holloway), along with CNES, EUMETSAT and ESA supported the recent social media releases (on Twitter) for the COP21 meeting in Paris. The lively and valuable discussions about Earth observations from space were presented to many thousands of interested people. Even now, days after the event, the content is still being discussed and shared around the world.

The SEO plans to deliver the first Data Cubes to Kenya and Colombia before the end of 2015. The Kenya Cube includes full-country Landsat-7/8 data back to 2000 with a user interface for cloud-free mosaic creation. The Colombia Cube includes a smaller subset (4 path-row regions) of Landsat-7/8 data back to 2000 with a user interface for cloud-free mosaic creation and an offline capability to run a PCA change detection algorithm. Colombian government officials will use the Colombia Cube to support an internal proposal for significant 2016 funding, which would cover an expansion of the Data Cube project and its related applications.

1. **Brief Status Updates of Ad Hoc Initiatives**

**SDCG/GFOI (Stephen Ward)**

Since the last SEC meeting, Masanobu Shimada (JAXA) has been confirmed as the incoming CEOS Lead for GFOI. Written confirmation is awaited, however Shimada-san will replace Stephen Briggs (ESA) as Lead from the conclusion of the GFOI Plenary, to be held at ESA/ESRIN during the week of the 22nd of February 2016.

A successful GFOI COP21 side event on *Supporting National Forest Monitoring with Earth Observation* was held Thursday 3rd December, sponsored by ESA. The event was Chaired by Stephen Briggs, opened by the Hon. Greg Hunt (Australian Minister for the Environment), and featured CEOS participation from ESA, JAXA (Masanobu Shimada), as well as participants from countries, the Clinton Foundation, and aid agencies.

ESA is in the process of finalising its support of GOFC-GOLD as the lead of the GFOI R&D Component.

Stephen closed by noting that a GFOI Space Data Access Guide is under preparation, for release in Q1/Q2 2016; the Global Data Flows Study is targeted for release after SDCG-9; and an updated SDCG 3-Year Work Plan is under preparation, for release following confirmation at SDCG-9. Implementation of Element 1 (Global Acquisitions) is ongoing, with major contributions from Landsat, Sentinel-1A, and now Sentinel-2A.

**Discussion**

* Nobuyoshi Fujimoto (JAXA) asked the CEOS Chair to please send the GFOI Lead Team a formal letter to notify them of Shimada-san’s appointment as CEOS Lead for GFOI.

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| **208-06** | CEOS Chair to prepare a letter to the GFOI Lead Team announcing Masanobu Shimada (JAXA) as the new CEOS Lead for GFOI, and to pass it by Nobuyoshi Fujimoto (JAXA) for confirmation before sending. | **SEC 209** |

**Upcoming Meetings**

* *GFOI Plenary and Open Forum, including SDCG-9 and an SDCG/LSI-VC meeting (22nd – 26th February 2016, ESA/ESRIN).*

**CEOS Ad Hoc Working Group on GEOGLAM (Brian Killough, NASA)**

Brian Killough reported on behalf of the Co-Leads: Brad Doorn (NASA) and Selma Cherchali (CNES).

The CEOS Ad Hoc Working Group on GEOGLAM held its regular monthly teleconference this week, with a focus on follow-up from CEOS Plenary and planning for 2016.

The first GEOGLAM Advisory Committee Meeting took place in the margins of GEO-XII Plenary in Mexico, and CEOS was represented by Alex Held (CSIRO). One of the top priorities identified at the meeting was coordination on GEOGLAM space data requirements with CEOS. In addition, the AC directed GEOGLAM to expand its scope to include food security (early warning), building on the current agricultural trade focus of the monthly AMIS reports.

The Asia-RiCE initiative recently reported good progress on activities in the Mekong Delta and Indonesia, with APRSAF SAFE Initiative prototypes concluding in both locations, and with transition plans being discussed.

GEOGLAM Rangelands And Pasture Productivity (RAPP) is in the process of defining its next steps, including the definition of its data requirements.

The annual JECAM Science Meeting was held from the 16th – 17th November, with more than 60 participants. JECAM currently has seven cross-site experiments, and this number is expected to grow to ten in 2016. Microsoft Canada will be hosting some shared RADARSAT-2 acquisitions as a contribution to JECAM and the CEOS SEO is working with them to implement cloud-based processing tools on the platform.

**Water Strategy Implementation Study Team (Yukio Haruyama, RESTEC; on behalf of Chu Ishida, JAXA)**

The first teleconference of the extended WSIST was held on December 3rd, primarily to discuss the Water Constellation Feasibility Study endorsed at CEOS Plenary. The WSIST identified the importance of scoping the application areas and also identifying stable user requirements. Chu Ishida (JAXA) has an action to draft the Feasibility Study Plan and the WSIST will meet again in January to review it. IGWCO will hold a teleconference on the 10th of December to discuss the requirements for the Feasibility Study. It is hoped that a statement of existing requirements and relevant current/future capabilities can be compiled by March, after which experts can make their assessments by September – with synthesis to follow in September/October.

**Non-meteorological Applications for Next Generation Geostationary Satellites and**

**Future Data Access & Analysis Architectures (Alex Held, CSIRO)**

Alex Held (CEOS Chair, CSIRO) thanked everyone for their support of the two new initiatives. He noted that activities are underway, with short pre-Christmas teleconferences taking place on the 14th (Future Data Access & Analysis Architectures) and 16th of December (Non-meteorological Applications for Next Generation Geostationary Satellites). Both groups are developing structures for the end of year reports to CEOS Plenary, and these will be discussed on the calls.

Alex extended an invitation for WG Chair’s to nominate representatives for the teams.

1. **Restoring Geographic Rotation of CEOS Chair / CEOS Chair 2018**

Alex Held (CEOS Chair, CSIRO) reminded CEOS SEC that following the JAXA and CSIRO Chair terms, regional rotation of the CEOS Chair needs to resume. With USGS taking on the role for 2017, an African/European agency is needed in 2018. The 2019 Chair from the Asia-Pacific region is currently being followed up by CSIRO and JAXA.

**Africa/Europe:** ASI, CDTI, CNES, DLR, EC, EUMETSAT, ESA, NSAU, NASRDA, NSO, ROSHYDROMET, ROSKOSMOS, SANSA, Tubitak, UKSA

**Americas:** CSA, CONAE, INPE, NASA, NOAA, USGS

**Asia-Pacific:** CRESDA, CAST, CSIRO, GISTDA, ISRO, KARI, JAXA, NRSCC, NSMC/CMA, VAST

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| **208-07** | ESA/EUMETSAT to identify an African/European agency for the 2018 CEOS Chair position. | **Status update at SEC 210** |

**Discussion**

* Ivan Petiteville (ESA) asked whether South America could be considered as a separate region, in order to encourage more diversity in the CEOS Chair position. Jonathon Ross (CEO, GA) noted that South American agencies received a letter of invitation from the past CEOS Chair (JAXA) regarding the 2017 Chair role. However no nominations were received. Kerry Sawyer (NOAA) suggested that the regions remain as defined, as South America wouldn’t have enough agencies (two) to make rotation feasible.
1. **AOB**

**CEOS Plenary 2016**

Alex Held (CEOS Chair, CSIRO) confirmed that CEOS Plenary 2016 will take place from the 31st of October to the 4th of November in Brisbane, Australia. As GEO Plenary will take place the following week, Alex plans to distribute the meetings earlier in the week.

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| **208-08** | CEOS Chair to widely announce the dates of CEOS Plenary 2016 – including the whole CEOS community and key partners in the distribution. | **SEC 209** |

**CEOS Newsletter No. 46**

Koji Akiyama (RESTEC) gave an overview of the plan for the 46th CEOS Newsletter, and thanked Jonathon Ross (CEO, GA) for his feedback. The outline has been circulated to CEOS SEC via email, and articles are due by the 22nd of January.

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| **208-09** | CEOS SEC to review the plan for the 46th CEOS Newsletter and to prepare the articles requested. Authors should title their articles as desired and provide relevant photos for inclusion.  | **22nd January 2016** |

**CEOS Representative to the 3rd Blue Planet Symposium Planning Committee**

Kerry Sawyer (NOAA) noted that CEOS SEC action 207-08 should have its due date revised to SEC 209, and she reported that Paul Di Giacomo (NOAA) has volunteered to be the CEOS representative to the Planning Committee.

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| **208-10** | Paul Di Giacomo (NOAA) has volunteered to be the CEOS representative to the 3rd Blue Planet Symposium Planning Committee. CEOS Chair to send Kerry Sawyer a formal endorsement note – for forwarding to the Blue Planet Steering Committee. | **18th December 2015** |

**New CEOS Database Content – Climate Chapter (Ivan Petiteville, ESA)**

In support of the print Special 2015 COP21 Edition of the EO Handbook, a Climate Chapter has been added to the CEOS Database. A link to this new content can be found on the CEOS Database website: <http://database.eohandbook.com/>.

The objective of these CEOS Database web pages for COP21 is to enable members of the community to browse the GCOS Implementation Plan, GCOS Essential Climate Variables, actions being taken by CEOS agencies in support of GCOS, and the contributing satellite missions and instruments.

These additions, made to represent CEOS at COP21, have been carried out in cooperation with WGClimate, which is responsible for the interface with the GCOS Secretariat, and for the management and curation of the ECV Inventory as part of the Climate Architecture Implementation.

1. **Adjourn**

Alex noted that SEC 208 is Brent Smith’s last SEC teleconference, and he thanked Brent for his years of service to CEOS. CEOS SEC thanked Brent and wished him all the best for the future.

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| **208-11** | CEOS Chair to reschedule SEC 210, as the 11th of February is a Japanese national holiday. | **SEC 209** |