**2018 CEOS Plenary & Side Meetings**

**October 16th – 18th, 2018**

**Brussels, Belgium**

**\*\* ATTENDANCE AS PART OF OFFICIAL CEOS AGENCY DELEGATION ONLY \*\***

CEOS Plenary focuses on decisions to be made by Principals to progress and direct the various initiatives underway within the numerous subsidiary groups that are active in support of CEOS objectives. The Plenary agenda is dictated by the priority business underway in these groups, and is informed by the discussions held at the preceding SIT Technical Workshop in September.

Specific objectives of the 32nd CEOS Plenary include:

1. Review the various **CEOS climate activities** and provide direction where required. Several topics are anticipated:
2. Space agency statement to SBSTA 49;
3. Statement of space agency contributions in support of each Article of the Paris Agreement;
4. Space Climate Observatory (SCO) and CEOS engagement.
5. Provide direction on, **CEOS carbon efforts**, namely:
   1. The CEOS Chair Initiative on laying the foundation for an international effort on a CO2 and greenhouse gas monitoring system;
   2. The CEOS Carbon Strategy actions that have been taken forward by various CEOS groups, specifically:
      1. Carbon data portal prototype;
      2. Cal/val and production of biomass products;
      3. Colombia Data Cube prototype;
   3. The AC-VC greenhouse gas constellation white paper;
   4. GFOI/SDCG;
   5. The way forward organisationally on GHG observations coordination, including with CGMS as appropriate.
6. Confirm the way forward on the GEO-LEO initiative.
7. Confirm next steps for the **Future Data Architectures (FDA)** tasks taken forward in 2018 in the areas of: CEOS Analysis Ready Data (ARD); Interoperable Free and Open Tools; Data, Processing, and Architecture Interface Standards; Analytical Processing Capabilities; and User Metrics.
8. Evaluate and provide direction for the **CEOS Virtual Constellations and Working Groups** and their activities, and in particular consider new Working Group Vice-Chairs and refreshed Terms of Reference, where necessary.
9. Provide guidance on **CEOS support to other key stakeholder initiatives** where required, such as to the United Nations Sustainable Development Goals (SDGs) – and the way forward organisationally for the CEOS effort.
10. Consider CEOS organisational matters as necessary, potentially (depending on the outcomes from SIT Technical Workshop):
    1. an updated CEOS Governance and Processes Document;
    2. greater efficiency in CEOS work;
    3. CEOS *Ad hoc* Team lifecycles;
    4. organisation and resourcing of the CEOS contribution to GFOI Phase 2;
    5. the operating principles and practices of VCs and WGs;
    6. improvements to the annual CEOS Work Plan update process.
11. Provide an opportunity for agencies to speak about their plans and strategy in relation to CEOS, as well as the benefits and expectations of CEOS from their agency perspective. Agencies will be asked to comment on:
    1. the policy, scientific, and societal challenges driving the strategy and   
       requirements of their Agency for the next 10 to 15 years and the degree to which CEOS' thematic foci support these plans;
    2. how CEOS as an organisation is supporting and prioritising engagement   
       around the Agency’s requirements; and,
    3. how CEOS activities related to standardisation (metadata and interoperability), quality control (cal/val), and data dissemination influence implementations   
       in their Agency.

**Week at a Glance**

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| **Tuesday October 16** | **Wednesday October 17** | **Thursday October 18** |
| Side Meetings  (see below) | Core Plenary Business  Climate (including WGClimate)  Carbon  Agency and Partner Presentations | Data Session (Chair Priority, FDA status and evolution, LSI-VC/ARD, WGISS)  Organisational Issues (including the way forward on each AHT)  Other WGs and VCs  Other CEOS Business  Wrap-up |

**Tuesday October 16 – Side Meeting Schedule**

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| **Time** | **Studio 201 A/B** | **Studio 204** | **Studio 206** |
| **8:00** |  |  |  |
| **8:30** | Troika  *(closed meeting)* |  |  |
| **9:00** | CEOS SEC-242  *(closed meeting)* |  |  |
| **10:00** | SCO Meeting |  | SDG-AHT |
| **11:00** | LSI-VC |
| **12:00** | **Lunch** | | |
| **13:00** |  | GEOGLAM *Ad Hoc* Working Group |  |
| **14:00** |  |  |
| **15:00** |  |  |
| **16:00** |  |  |  |
| **17:00** |  |  |  |
| **18:00** |  |  |  |

*Note: bilateral meetings are not shown here.*

**Agenda**

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| **Wednesday, October 17th**  Plenary Day 1 | | | |
| **08:00 — Registration** | | | |
| **Session 1: Core Business** | | | |
| **1.1** | 09:00 | CEOS Chair Introduction   * Welcome and Opening Remarks * *Tour de Table* | P. Brunet  *CEOS Chair* |
| **1.2** | 09:15 | Applications for CEOS Membership *(For Discussion and Decision)* | Agency Representatives |
| **1.3** | 09:25 | 31st CEOS Plenary Actions Status *(For Information)* | S. Hosford  *CEO* |
| **1.4** | 09:35 | CEOS 3-Year Work Plan Annual Update Schedule & CEOS Work Plan Action Status Overview *(For Information)*   * Improvements to the Annual CEOS Work Plan Update Process | S. Hosford  *CEO* |
| **1.5** | 09:45 | CEOS Organisational Matters *(For Discussion)*   * Updated CEOS Governance and Processes Document * Greater Efficiency in CEOS Work | *CEOS Chair Team* |

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| **Session 2: Climate** | | | |
| **2.1** | 10:00 | CEOS-CGMS WGClimate   * Space Agency Statement to COP-24/SBSTA 49 *(For Endorsement)* * Statement of Space Agency Contributions in Support of Each Article of the Paris Agreement *(For Endorsement)*   ***CEOS-WP:*** *Section 3.1, Obj/Del: CMRS-14 – CMRS-21* | J. Schulz  *CEOS-CGMS WGClimate* |
| **2.2** | 10:20 | Space Climate Observatory and CEOS Engagement | J. Lambin  *CNES* |
| **10:35 — Break & Photo** | | | |

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| **Session 3: Carbon** | | | |
| **3.1** | 11:00 | CEOS Carbon Strategy Action Status *(For Information)*  ***CEOS-WP:*** *Section 3.2, Obj/Del: CARB-13/14/16/19* | M. Dowell  *COM* |
| **3.2** | 11:10 | JRC Carbon Workshop & CEOS Chair CO2 Initiative Report *(For Information)*  ***CEOS-WP:*** *Section 3.2, 3.8; Obj/Del: CARB-12, VC-3* | M. Dowell  *COM* |
| **3.3** | 11:20 | Final AC-VC White Paper *(For Endorsement)* | D. Crisp  *NASA, AC-VC* |
| **3.4** | 11:30 | 2019 IPCC Guidelines for National Greenhouse Gas Inventories *(For Information)*  ***CEOS-WP:*** *Section 3.2, Obj/Del: CARB-17* | O. Ochiai  *JAXA* |
| **3.5** | 11:40 | GFOI/SDCG   * Organisation and Resourcing of the CEOS Contribution to GFOI Phase 2   ***CEOS-WP:*** *Section 3.2, Obj/Del: CARB-4/5* | O. Ochiai  *SDCG* |
| **3.6** | 11:50 | Way Forward for CEOS on GHG Observations   * Collaboration between CEOS and CGMS in the area of GHG observations and monitoring *(For Discussion and Decision)* | M. Dowell  *COM* |

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| **Session 4: Agency and Partner Updates *(For Information)*** | | | |
| **4.1** | 12:15 | GEO Update | G. Câmara  *GEO* |
| **4.2** | 12:30 | GEO Programme Board Report |  |
| **4.3** | 12:40 | GEO Executive Committee Report | *SIT Vice-Chair* |
| **4.4** | 12:50 | GEO-XV Plenary Preparations and Inputs   * CEOS Statement to GEO-XV *(For Decision)* | S. Hosford  *CEO* |
| **13:00 — Lunch** | | | |
| **4.5** | 14:00 | NRSCC / NSMC-CMA / CRESDA | Eric Wei Wan |
| **4.6** | 14:10 | GCOS | C. Richter |
| **4.7** | 14:20 | USGS | J. Lacey |
| **4.8** | 14:30 | NOAA | S. Volz |
| **4.9** | 14:40 | EUMETSAT | P. Counet |
| **4.10** | 14:50 | ESA | J. Aschbacher |
| **4.11** | 15:00 | DLR | K. Schmidt |
| **4.12** | 15:10 | ISRO | Dr Rajkumar |
| **4.13** | 15:20 | JAXA | N. Matsuura |
| **4.14** | 15:30 | UNOOSA | L. St-Pierre |
| **15:40 — Break** | | | |
| **4.15** | 16:00 | GGOS | R. Gross |
| **4.16** | 16:10 | Australian EO and Space Initiatives | *GA/CSIRO* |
| **4.17** | 16:20 | WIGOS Vision 2040 | F. Belda  *WMO* |
| **4.18** | 16:30 | KMA | Geun Hyeok Ryu |
|  |  | *Further Agencies TBC* |  |
| **17:00 — Adjourn** | | | |

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| Thursday, October 18th Plenary Day 2 | | | |
| Session 5: EO Data Access, Delivery, and Interoperability | | | |
| **5.1** | 09:00 | CEOS FDA Strategy and FDA-AHT Continuity *(For Decision)*  ***CEOS-WP:*** *Section 3.6, Obj/Del: FDA-1/6* | N. Hanowski / A. Held / S. Labahn  *FDA-AHT* |
| **5.2** | 09:20 | WGISS  ***CEOS-WP:*** *Section 3.2, 3.6, 3.7; Obj/Del: CARB-15, FDA-6, DATA-9* | M. Albani  *WGISS Chair* |
| **5.3** | 09:35 | CEOS Analysis Ready Data for Land (CARD4L) Status Update *(For Information)*  ***CEOS-WP:*** *Section 3.6, 3.8; Obj/Del: FDA-7, VC-27* | A. Lewis  *LSI-VC* |
| **5.4** | 09:45 | Broader CEOS ARD Strategy *(For Discussion)* | A. Held  *SIT Vice Chair* |
| **5.5** | 10:05 | Data Cube & FDA Pilot Status *(For Information)*   * CEOS Representative on the Digital Earth Africa Steering Committee *(For Decision)*   ***CEOS-WP:*** *Section 3.2, 3.3, 3.6; Obj/Del: CARB-18, AGRI-8, FDA-2/3/4/5* | B. Killough  *SEO* |
| **5.6** | 10:20 | Way Forward on the GEO-LEO ARD Initiative *(For Information)*   * Final proposal in response to SIT-33-14 * Flood mapping project progress | S. Volz  *SIT Chair* |
| **10:35 — Break** | | | |

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| **Session 6: Working Groups, Virtual Constellations and *Ad Hoc* Teams** | | | |
| **6.1** | 10:55 | WGCV  ***CEOS-WP:*** *Section 3., Obj/Del:* | K. Thome  *WGCV Chair* |
| **6.2** | 11:10 | WGCapD   * Implementation of training calendar used also by VLab and WMO Global Campus *(For Decision)* * White paper regarding engaging partner capacity building networks *(For Discussion)*   ***CEOS-WP:*** *Section 3.7, Obj/Del: CB-22* | P. Chauhan *WGCapD Chair* |
| **6.3** | 11:25 | WGDisasters  ***CEOS-WP:*** *Section 3.4, Obj/Del: DIS-10/12/13/15* | S. Zoffoli  *WGDisasters Chair* |
| **6.4** | 11:40 | CEOS *Ad Hoc* Working Group on GEOGLAM  ***CEOS-WP:*** *Section 3.3, Obj/Del: AGRI-4/8/9* | B. Doorn  *CEOS-GEOGLAM ad hoc WG Co-Lead* |
| **6.5** | 11:55 | SDG-AHT   * Way Forward on SDGs for CEOS   ***CEOS-WP:*** *Section 3.9, Obj/Del: SDG-1* | A. Held  *SDG-AHT* |
| **6.6** | 12:15 | Virtual Constellation Issues, Discussions, Decisions | S. Volz  *SIT Chair* |
| **13:00 — Lunch** | | | |
| **6.7** | 14:00 | Recommendation from the Joint Meeting regarding the way forward for LSI-VC, SDCG-GFOI, and CEOS-GEOGLAM *(For Decision)* | LSI-VC / SDCG / CEOS-GEOGLAM Leads |
| **6.8** | 14:10 | Discussion   * *Ad Hoc* Team Life Cycles and Way Forward for Current Teams * SDCG Continuity *(For Decision)* * *Ad Hoc* Working Group on GEOGLAM Continuity *(For Decision)* * SDG-AHT Continuity *(For Decision)* * Operating Principles and Practices of VCs and WGs | S. Volz *SIT Chair* |

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| **Session 7: Other CEOS Business** | | | |
| **7.1** | 14:45 | Missions, Instruments, and Measurements (MIM) Database Report *(For Information)*  ***CEOS-WP:*** *Section 3.7, Obj/Del: CB-10* | I. Petiteville  *ESA* |
| **7.2** | 14:55 | Systems Engineering Office (SEO) Report *(For Information)* | B. Killough  *SEO* |

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| **Session 8: Closing Business** | | | |
| **8.1** | 15:10 | Recap of Organisational Issues and Leadership Changes | CEOS Chair |
| **8.2** | 15:25 | Priorities for the 2020-2021 SIT Chair Period | SIT Vice-Chair |
| **15:40 — Break** | | | |
| **8.3** | 16:00 | Future CEOS Chairs *(For Discussion)* | COM  CEOS Chair |
| **8.4** | 16:15 | CEOS Chair Handover | COM  2018 CEOS Chair  VNSC  2019 CEOS Chair |
| **8.5** | 16:25 | 2019 CEOS Chair Presentation | VNSC  2019 CEOS Chair Representative |
| **8.6** | 16:40 | 2018 CEOS Plenary Decisions and Actions Recap | COM  2018 CEOS Chair |
| **8.7** | 16:55 | Closing Remarks | COM  2018 CEOS Chair |
| **17:00 — Adjourn** | | | |

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| **Closed SEC Meetings** | | |
| 17:15 | 243rd CEOS Secretariat Meeting (SEC-243) | Chaired by VNSC |
| 17:45 | Troika #2 | Chaired by VNSC |
| **18:00 — Adjourn** | | |