

**32<sup>nd</sup> Strategic Implementation Team Meeting**  
**MEETING THEMES, OBJECTIVES, and DRAFT AGENDA**  
**DRAFT VERSION 1.2 (21<sup>st</sup> April 2017)**  
**26<sup>th</sup>-27<sup>th</sup> April 2017**  
**ESA Headquarters, Paris, France**

During its 2016-2017 CEOS SIT Chair term, ESA seeks to:

- Ensure the successful advancement of **ongoing CEOS commitments and deliverables**, identifying and addressing issues and obstacles impacting each priority initiative;
- Ensure full access to, and exploitation of **Copernicus Sentinel** data;
- Further develop, with the joint CEOS-CGMS WGClimate and through GCOS, the relationships with IPCC and UNFCCC required to support **observation of climate indicators** in support of the Paris Agreement;
- Maintain and improve effectiveness of our **strategic partnerships, including** with UN agencies, Development Banks, international programmes and agencies; the **effective functioning of GEO, and CEOS within it, is a high priority** in this; and,
- Support for the **initiatives proposed by the CEOS Chairs** in 2016 and 2017.

To inform and drive towards outcomes from its two-year term, the SIT Chair Team proposes that the SIT-32 agenda assess the status and directions of these themes, taking into account developments over the past year. The continued implementation of the Copernicus program, as well as the ongoing activities of existing and new CEOS data users has affirmed that the role of government-sponsored civil Earth observation (EO) programmes has changed significantly since the establishment of CEOS in 1984. The pace of change appears likely to accelerate in the future, and this will change the nature of what space agencies require of CEOS. CEOS Principals/Designees are asked to come prepared to discuss the following topics and questions under the SIT Chair themes:

### **Strategic Partnerships**

- Review the CEOS and space agency experience linked to development banks and UN agencies, which are often central to international coordination of governments in domains that are emerging as priorities for government EO programmes. The context can be complex and varies by topic/agency. Can CEOS, and/or GEO, establish more strategic and high-level modus operandi for productive partnerships in these areas?
- The scope of the CEOS-GEO relationship and how CEOS can both complement and leverage the strengths of GEO. SIT-32 will reflect on the ongoing changes in GEO strategic priorities, governance and structure, and report CEOS progress in influencing and supporting the GEO 2016-2025 Framework.
- Address the three strategic priorities endorsed by the GEO-XIII Plenary: 2030 Agenda for Sustainable Development, Climate Change – Greenhouse Gas Monitoring (Paris Agreement), and Disaster Risk Reduction (Sendai Framework), while noting the CEOS-GCOS-UNFCCC collaboration discussed below.

## **Success of Ongoing CEOS Business**

- How should CEOS deal with new and evolving requirements coming from GEO or other quarters? For example, in relation to the coordination of observations of the Water Cycle (GEOGLOWS), Carbon Cycle, forest and agriculture, oceans, and in support of the UN Sustainable Development Goals.
- What is the role of LSI-VC in the coordination of land-based observations, including stewardship of the processes within CEOS that might provide a more structured approach to implementing and managing multiple sets of requirements and observing assets?
- Specific requests of SIT from the existing CEOS priorities GFOI and GEOGLAM - to help address strategic obstacles and opportunities for success.
- Coordination potential and requirements for additional topics, for example polar sea ice and atmospheric carbon.

## **CEOS Climate Observations**

- Assessment of the implications and opportunities arising from the Paris Agreement, and follow-up at COP-22, and the necessary evolution of the key relationships: CEOS-GCOS-UNFCCC.
- Report on the next phase of the CEOS-GCOS documentation and the Essential Climate Variable (ECV) inventory and Climate Architecture.
- Progress towards the VC and WG activities in support of the CEOS Carbon Strategy.
- Discuss the latest need for coordination to replace the work of the under-resourced GTOS.
- Establishment of climate indicators

## **Copernicus Sentinel Data Uptake**

- Report on the latest ground and space infrastructure developments and update on any access and exploitation issues raised at SIT-31.

## **Future Data Access and Analysis Architectures**

- Progressing the agenda of the Ad-hoc team continued in 2017 and ensuring the necessary high level support from CEOS and its agencies
- Report on the progress, including the generation of analysis ready data in support of specific CEOS projects

## **2017 Initiatives**

- Further develop the CEOS support strategy for the UN Sustainable Development Goals (UN SDG); report on the CEOS Chair Interoperability initiative; and follow-up on the CEOS Information Systems Survey.

Some of these topics and questions can be answered in short order, whilst others will require long term attention and effort – to the end of the SIT Chair Term and beyond. SIT-32 will contribute to these next steps, and that the dialogue will continue across the 2017 SIT Technical Workshop, the 2017 CEOS Plenary, and onto the NOAA SIT Chair term in 2018-2019.

### Security Information:

Participants in the SIT-32 and side meetings will be required each day to present a valid identification document (e.g. passport) at the ESA Security Office (located at the entrance of ESA HQ) to receive a magnetic badge. Visitors are requested to wear their magnetic badge in a visible location while inside the ESA HQ building.

### Side Meeting Schedule

Meeting	Time	Contact	Location
Troika Meeting (CSIRO, USGS, EC, ESA, NOAA)	09:00 – 10:00	CEOS Chair	Plenary Room A (4 <sup>th</sup> floor)
Future Data Architectures Ad Hoc Team	10:00 – 12:00	CEOS Chair	Plenary Room A (4 <sup>th</sup> floor)
COVERAGE Discussion	10:00 – 12:00	J Vazquez, V Tsontos, E Lindstrom	BO114
Engagement with UNFCCC and IPCC	10:00 – 12:00	Y Nakamura	BO153 (1 <sup>st</sup> floor)
<b>Lunch</b>	<b>12:00 – 13:00</b>	<b>Note prompt timing for the lunch break required to avoid delays.</b>	
CEOS Data Cube	13:00 – 14:30	B Killough	Plenary Room A (4 <sup>th</sup> floor)
UN SDG Ad Hoc Team	13:30 – 15:00	MJ Bourassa	BO153 (1 <sup>st</sup> floor)
CEOS Ad Hoc WG on GEOGLAM Working Meeting	14:30 – 16:00	S Cherchali	Plenary Room A (4 <sup>th</sup> floor)
CEOS SEC-223	15:00 – 16:00	CEOS Chair	BO114
Joint LSI-VC/SDCG/GEOGLAM Meeting	16:00 – 17:00	S Ward	Plenary Room A (4 <sup>th</sup> floor)

In addition, room B301 (3rd floor) will be available to the CEOS participants as a working room, on 26 and 27 April, and room B0154 (1st floor) on 25 April. Please contact Carmen if you wish to book that room for a specific time slot.

## SIT-32 Social events:

Welcome Cocktail (25 April): ESA Headquarters, from 18:00 to 19:00.

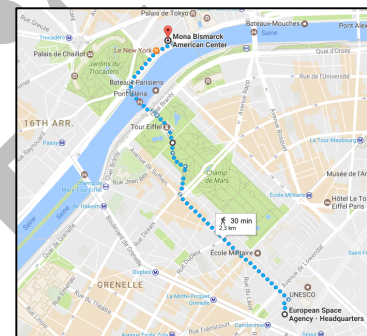
### Host Dinner (26 April):

Immediately after the meeting, there will be a guided tour of Mona Bismarck American Centre, followed by a hosted dinner. The tour will start at 19:00 (7 pm).

The Mona Bismarck American Centre is located 34 Avenue de New York, near the Jardins du Trocadero



It is a nice 2,3 km (1.4 mile) walk from ESA HQ. Otherwise, you may take the underground ("metro" in French) at the Cambronne station (line 6, direction Charles de Gaulle Etoile), get out at the Trocadero station and then walk 750 m (0.5 mile).



### **Transport/Directions:**

The SIT-32 meeting and preceding side-meetings will be held at ESA Headquarters (Paris, France) located in the area of the Eiffel Tower.

**European Space  
Agency Headquarters  
8 -10 Mario Nikis  
75015 Paris**

**Phone: + 33 (0)1 53 69 77 12**  
**ESA web site: [www.esa.int](http://www.esa.int)**

Nearest Metro (Underground) stations: Line 6 'Cambronne' or Line 10 'Segur'

*A map can be found in appendix.*

*Wednesday 26<sup>th</sup> April – SIT-32 Day 1*

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*Security Information: See Above.*

*Day 1 WebEx: See Appendix.*

**Coffee and Registration**

**08:30 – 09:00**  
*30m*

#	Item / Presenter	Time Duration
<b>Session: Introduction</b>		
1	Welcome (S Briggs) <ul style="list-style-type: none"> <li>– Logistics (I Petiteville)</li> <li>– <i>Tour de table</i> (S Briggs)</li> </ul>	09:00 – 09:15 <i>15m</i> <i>DISCUSSION</i>
2	SIT Chair Term Themes and SIT-32 Objectives (S Briggs) <ul style="list-style-type: none"> <li>– SIT Chair Objectives</li> <li>– Agenda Overview</li> </ul>	09:15 – 09:30 <i>15m</i> <i>DISCUSSION</i>
<b>Session: CEOS Plenary (USGS to Chair this Session as CEOS Chair)</b>		
3	COVERAGE – Building an Ocean VC Data Product (E Lindstrom)	09:30 – 09:45 <i>15m</i> <i>DECISION</i>
<b>Session: Strategic Partnerships</b>		
<p><b>Key Questions:</b>  <i>Do CEOS Agencies agree on the trends identified in CEOS activities and relationships?</i>  <i>Should we emphasise particular partnerships and/or explore new ones?</i>  <i>Are their strategic directions CEOS should chart to serve Members in the coming 10 years?</i></p>		
4	Introduction and Recap (SIT Chair)	09:45 – 09:55 <i>10m</i> <i>DISCUSSION</i>

#	Item / Presenter	Time Duration
5	Development Finance Partnerships (SIT Chair) <ul style="list-style-type: none"> <li>– Agency survey and interviews</li> <li>– Example programs</li> </ul>	09:55 – 10:10 15m <i>DISCUSSION</i>
6	ESA International Financial Institutions Partnerships (S Coulson)	10:10 – 10:25 15m <i>DISCUSSION</i>
<b>Break (inc. Group Photo)</b>		10:25 – 10:45 20m
7	Discussion - Strategic Partnerships incl. Dev. Finance <ul style="list-style-type: none"> <li>– Role for GEO and CEOS-GEO interaction</li> <li>– How to use agency expertise</li> <li>– How to move forward</li> </ul>	10:45 – 11:15 30m <i>DISCUSSION AND DECISION</i>
<b>Session: Future Data Access and Analysis Architectures</b> <i>Update from and strategic feedback to the Ad-hoc Team on FDA  SIT decision on the topics that the FDA team should scope out in more detail based on the strategic analysis presented.</i>		
8	FDA AHT Update (Co-Chairs) <ul style="list-style-type: none"> <li>– 2016 Recap</li> <li>– 2017 status and outlook</li> <li>– LSI-VC: Progress on ARD</li> <li>– Guidance and confirmation on SIT on priority topics</li> </ul>	11:15 – 11:40 25m <i>DISCUSSION AND DECISION</i>
9	FDA Discussion	11:40 – 12:00 20m <i>DISCUSSION AND DECISION</i>
<b>Lunch (ESA cafeteria)</b> <i>Note prompt timing for the lunch break required to avoid delays.</i>		12:00 – 13:00 60m

#	Item / Presenter	Time Duration
10	CEOS Chair Moderate Resolution Interoperability Initiative (J Lacey)	13:00 – 13:15 15m <i>DISCUSSION</i>
11	MRI Discussion	13:15 – 13:30 15m <i>DISCUSSION AND DECISION</i>
<p><b>Session: GEO and GEO Initiatives</b></p> <p><i>Updates on GEO Status and future. Prospects for GEO thematic coordination activities and any corrective actions required to ensure successful geometries. Future for evolution of requirements processes through the GEO framework. Update on key CEOS stakeholder activities of GFOI, GEOGLAM and Blue Planet.</i></p>		
12	GEO Framework Update and Outlook, including highlighting of GEO priorities (B Ryan)	13:30 – 13:50 20m <i>DISCUSSION</i>
13	CEOS View on GEO Developments and Outlook (SIT Chair) (incl. prospects for requirements and thematic coordination activities in GEO)	13:50 – 14:00 10m <i>DISCUSSION</i>
14	Discussion – GEO and GEO Initiatives <ul style="list-style-type: none"> <li>– Prospects for thematic coordination activities under GEO (Carbon, Water, Oceans, etc.)</li> <li>– CEOS representation on Flagship/Initiative Advisory Groups</li> <li>– CEOS representation on GEO ExComm and Programme Board</li> </ul>	14:00 – 14:30 30m <i>DISCUSSION AND DECISION</i>
15	GFOI Status and Issues (S Ward)	14:30 – 14:45 15m <i>DISCUSSION</i>
16	GEOGLAM Status and Issues (S Cherchali)	14:45 – 15:00 15m <i>DISCUSSION</i>

#	Item / Presenter	Time Duration
17	Blue Planet Update (E Smail)	15:00 – 15:10 10m DISCUSSION
18	Other CEOS Actions in GEO WP (CEO/SIT Chair) <ul style="list-style-type: none"> <li>– CEOS Actions in GEO WP (CEO)</li> <li>– Report on World Cover 2017 Meeting, March 14-16 (SIT Chair)</li> <li>– Coordination of terrestrial observations - report on progress (SIT Chair)</li> </ul>	15:10 – 15:30 20m DISCUSSION
<b>Break</b>		15:30 – 15:45 15m
<b>Session: UN Initiatives</b> <i>Updates on UN-led initiatives of special interest to CEOS, including in relation to the SDGs and to disasters. (UNFCCC features in a dedicated climate session).</i>		
19	UN-SDG <ul style="list-style-type: none"> <li>– GEO approach to SDGs (10min) (B Ryan)</li> <li>– Process Update (MJ Bourassa)</li> <li>– CEOS Way Forward and Work Plan (A Held)</li> </ul>	15:45 – 16:15 30m DISCUSSION AND DECISION
20	UN-WCDRR <ul style="list-style-type: none"> <li>– Process Update and CEOS Way Forward (I Petiteville)</li> <li>– CEOS support to the Sendai Framework (S Chalifoux)</li> </ul>	16:15 – 16:40 25m DISCUSSION AND DECISION
21	Discussion - UN Initiatives Session	16:40 – 16:55 15m DISCUSSION AND DECISION
<b>Session: Thematic Observing Strategies</b> <i>Strategic consideration of emergence and status within CEOS of the many acquisition requests and reflection on CEOS capacity and ability to manage multiple parallel requirements. What thematic coverage has CEOS committed to? What are the current and future resource requirements to address those commitments and the adequacy of CEOS resources? Does CEOS capacity allow it to take on new commitments?</i>		



#	Item / Presenter	Time Duration
22	GEO Water Coordination <ul style="list-style-type: none"> <li>– GEOGLOWS Ambitions and how to proceed (B Ryan)</li> <li>– GEO Aquawatch Update (E Smail)</li> </ul>	16:55 – 17:15 <i>20m</i> <i>DISCUSSION AND DECISION</i>
23	CEOS Water Strategy <ul style="list-style-type: none"> <li>– Hyperspectral Water Quality Report C.10 (A Held)</li> </ul>	17:15 – 17:25 <i>10m</i> <i>DISCUSSION</i>
24	Discussion and Required Actions <ul style="list-style-type: none"> <li>– CEOS approach to water observations</li> </ul>	17:25 – 17:35 <i>10m</i> <i>DISCUSSION AND DECISION</i>
25	Rationalising CEOS land imaging activities (SIT Chair Team/S Ward) <ul style="list-style-type: none"> <li>– Concurrence on September joint meeting plans</li> </ul>	17:35 – 17:50 <i>15m</i> <i>DISCUSSION AND DECISION</i>
26	SIT-32 Day 1 Closing Remarks (S Briggs)	17:50 - 18:00 <i>10m</i> <i>DISCUSSION</i>
<b>Adjourn</b>		<b>18:00</b>

**19:00** - Guided Tour and Hosted Dinner, at Mona Bismarck American Centre.

Thursday 27<sup>th</sup> April – SIT-31 Day 2

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#	Item / Presenter	Time Duration
<b>Session: Coordination of Climate Observations</b> <i>Evolution of the key relationships: CEOS-GCOS-UNFCCC</i> <i>Next phase of CEOS-GCOS documentation, GCOS IP16 satellite supplement</i> <i>Scope for Carbon supplement</i> <i>ECV inventory and Climate Architecture directions and schedule</i>		
27	GCOS Status and Outlook (C Richter)	09:00 – 09:10 10m DISCUSSION
28	CEOS Climate Coordination Update (P Lecomte) – CEOS-CGMS Response to GCOS IP 2016 – ECV Inventory and Climate Architecture	09:10 – 09:30 20m DISCUSSION
29	IPCC Task Force on National Greenhouse Gas Inventories (TFI) Engagement Status (A Suzuki)	09:30 – 09:45 15m DISCUSSION
30	CEOS Carbon Strategy Implementation Update (M Dowell) – Status of seven VC/WG initiatives	09:45 – 10:25 40m DISCUSSION
31	Discussion - Coordination of Climate Observations	10:25 – 10:40 15m DISCUSSION
<b>Break</b>		10:40 – 11:00 20m
<b>Session: CEOS VCs and WGs: Issues for Attention/Decision of SIT-32</b> <i>Addressing key issues identified during SIT Chair telecons.</i>		

#	Item / Presenter	Time Duration
32	VC Leads and WG Chairs Issue Reports (JL Fellous) <ul style="list-style-type: none"> <li>– Overview (JL Fellous)</li> <li>– SST MW radiometer continuity</li> <li>– WGDIsasters Coordination Efforts (S Chalifoux)               <ul style="list-style-type: none"> <li>○ Endorsement: GSNL San Andreas Fault Natural Laboratory</li> <li>○ Endorsement: GSNL Hawaii Supersite Biennial report</li> <li>○ Endorsement: Geohazards Lab Concept</li> <li>○ For comment: DRAFT Pilot final reports: Flood, Seismic Hazards and Volcano</li> </ul> </li> </ul>	11:00 – 12:00 <b>60m</b> <i>DISCUSSION AND DECISION</i>
<b>Lunch (ESA cafeteria)</b> <i>Note prompt timing for the lunch break required to avoid delays.</i>		12:00 – 13:00 <b>60m</b>
<b>Session: Copernicus Sentinel Data Uptake and Application</b>		
33	Copernicus Sentinels <ul style="list-style-type: none"> <li>– Space and Ground Segment Status (I Petiteville and P Counet)</li> <li>– Space Strategy for Europe (also known as SS4E) (10 min) (A Koch)</li> </ul>	13:00 – 13:30 <b>30m</b> <i>DISCUSSION</i>
34	Discussion: <ul style="list-style-type: none"> <li>– Inputs from CEOS Initiatives (VCs, WGs, AHTs etc.) on Access and Uptake of Sentinel Data in CEOS</li> <li>– Actions and update since SIT-31 survey</li> </ul>	13:30 – 14:15 <b>45m</b> <i>DISCUSSION</i>
<b>Session: SIT-32 AOB, Actions, and Closing</b>		
35	AOB: <ul style="list-style-type: none"> <li>– CEOS Information Systems Survey Follow up (I Petiteville) (10m)</li> <li>– 31st CEOS Plenary (CEOS Chair) (5m)</li> </ul>	14:15 – 15:00 <b>45m</b> <i>DISCUSSION</i>

#	Item / Presenter	Time Duration
36	2018-2019 CEOS SIT Chair Proposed Priorities (S Volz)	15:00 – 15:10 10m <i>DISCUSSION</i>
37	Future CEOS Chair Initiatives (A Koch)	15:10 – 15:20 10m <i>DISCUSSION</i>
38	Review of Actions (SIT Chair Team)	15:20 – 15:35 15m <i>DISCUSSION</i>
39	SIT-32 Closing Remarks (S Briggs)	15:35 – 16:00 25m <i>DISCUSSION</i>
<b>Adjourn</b>		<b>16:00</b>

DRAFT

**Map**

