



2018 SIT Technical Workshop
September 13-14 2018
EUMETSAT, Darmstadt, Germany
AGENDA v2.0

<http://ceos.org/meetings/2018-sit-technical-workshop/>

Objectives

The 2018 SIT Technical Workshop will focus on **preparations for CEOS Plenary**, as well as ensuring **follow-up and continuity of issues raised at SIT-33** in Boulder; namely focusing on VC and WG continuity, sustainability, and outputs, and **continuing development of CEOS relationships** with CGMS, GEO, and WMO. The discussion paper circulated prior to SIT-33 remains a useful reference for the Workshop discussions, as well as across the full two-year NOAA SIT Chair term. The annual SIT Technical Workshop is CEOS’s opportunity to assess progress in completing our objectives in preparation for the CEOS and GEO Plenaries and UNFCCC COP and SBSTA Meetings. Outcomes of the SIT Technical Workshop will include recommendations to be taken to the CEOS Plenary for decision. As such, all agenda items are for information/discussion.

The objectives of the 2018 Workshop include:

- Continue **Virtual Constellation (VC)/Working Group (WG) coordination discussions**, from the VC/WG Day, July tag-ups, and SIT-33, with a focus on identifying SIT and Plenary level actions required to support the optimization of resource allocation and utilization, and on sustaining tangible outputs.
- Review the **progress of the *ad hoc* Teams (AHTs)** since SIT-33, and identify SIT and Plenary level actions required. Revisit the topic of AHT lifecycles, both in general, and with a focus on preparing for the annual renewal of their mandates at Plenary.
- Update on the way forward for **CEOS on the coordination of climate observations including on greenhouse gasses (GHGs)** (*e.g.*, AC-VC papers, joint CEOS-CGMS activities), the ECV Inventory and gap analysis, IPCC Inventories).
- Update on the way forward on **data-related activities** including the evolution of the Future Data Architectures (FDA) AHT and its activities, CEOS and Open Data Cubes activities, and LSI-VC’s work on Analysis Ready Data (ARD), and CARD4L (including potential expansion beyond land).
- An update and discussion around the **CEOS approach to key partnerships**, including CGMS, WMO, and GEO.
- Address **CEOS organizational matters**, including leadership continuity, CEOS Chair transition, and improvements to the annual CEOS Work Plan update process and status of deliverables in preparation for CEOS and GEO Plenaries.

The Workshop will take place over two days, Thursday 13 and Friday 14 September and will be preceded by a dedicated VC/WG Day on Tuesday, 11 September and a side meeting day on Wednesday 12 September.

Tuesday 11 th	Wednesday 12 th	Thursday 13 th	Friday 14 th
9:00am – 5:00pm Virtual Constellation and Working Group Day	9:00am – 5:00pm Side Meetings <i>(see next page)</i>	9:00am – 5:40pm SIT Technical Workshop Day 1 <i>Intro and Welcome</i> <i>Climate and Carbon</i> <i>Data</i> <i>User Engagement Activities</i>	9:00am – 4:30pm SIT Technical Workshop Day 2 <i>Oceans and Water Cycle</i> <i>VC, WG, and AHT Sustainability</i> <i>Partnerships</i> <i>Work Planning and Close</i>
<i>Invited Participants Only</i>	6:00pm – 7:00pm Icebreaker / Reception	7:15pm – 9:45pm Hosted Dinner	

Wednesday, 12 September 2018

Registration: 8:30 – 9:00

2018 SIT TW Side Meeting Schedule			Wednesday, 12 Sep
Time	Council Room	STG/AFG	EB405
9:00 AM	CEOS SEC-240		
9:30 AM			
10:00 AM	GEO-LEO Combined Products POC: D. Lindsey		SCOPE-CM Meeting POC: J. Privette
10:30 AM		Strategic Coordination Session (closed) POC: K. Sawyer	
11:00 AM			
11:30 AM			
12:00 PM	Lunch		
12:30 PM	EUMETSAT Canteen		
1:00 PM	Closed Meeting POC: K. Sawyer	Closed Meeting POC: G. Dyke	WGCapD/VLab POC: N. Searby
1:30 PM			
2:00 PM	Closed Meeting POC: S. Ward	AC-VC/WGClimate Transition POC: D. Crisp	COVERAGE Initiative POC: V. Tsontos
2:30 PM			
3:00 PM	Closed Meeting POC: K. Sawyer	SDG AHT POCs: M. Paganini/ F. Kerblat	
3:30 PM			
4:00 PM			
4:30 PM			
5:00 PM	*EUMETSAT Control Center Tour*		
5:30 PM	POC: S. Miechurska		

Also have NW472 available for those not in side meetings (~25)

Icebreaker/Hosted Reception: 6:00 -7:00

Location: TBD (EUMETSAT Foyer or EUMETSAT Canteen)

Thursday, 13 September 2018

Sessions: *Welcome and Introduction; Climate and Carbon Observations; Data; and, User Engagement Activities.*

Location: Council Room/STG-AFG

Registration: 8:30 – 9:00

Session 1: Welcome and Introduction			
#	Time <i>Duration</i>	Topic	Presenter
1.1	9:00 – 9:05 <i>5 min</i>	Welcome	Steve Volz , SIT Chair (NOAA)
1.2	9:05 – 9:10 <i>5 min</i>	EUMETSAT DG Welcome	Alain Ratier , Director General (EUMETSAT)
1.3	9:10 – 9:20 <i>10 min</i>	<i>Tour de Table</i> Introductions	All
1.4	9:20 – 9:35 <i>15 min</i>	SIT Chair Introduction <ul style="list-style-type: none"> – Review of Workshop objectives and adoption of agenda – Continuity of SIT Chair themes – SIT-33 outcomes recap and action status 	Steve Volz , SIT Chair (NOAA)
1.5	9:35 – 9:45 <i>10 min</i>	Review of Chair Priorities <ul style="list-style-type: none"> – CO₂ and GHGs – Data 	Mauro Facchini , CEOS Chair Team (COM)
1.6	9:45 – 10:15 <i>30 min</i>	Review of VC/WG Day Outcomes <ul style="list-style-type: none"> – Main outcomes – Items for consideration during the Workshop – Possible Plenary decisions 	VC/WG Day Nominee(s)

Group Photo and Coffee Break: 10:15 – 10:35, 20 minutes

Session 2: Climate and Carbon Observations			
#	Time <i>Duration</i>	Topic	Presenter
2.1	10:35 – 10:45 <i>10 min</i>	Session Introduction	Steve Volz , SIT Chair (NOAA)
2.2	10:45 – 11:00 <i>15 min</i>	Working Group Climate (WGClimate) <ul style="list-style-type: none"> – Space Agency statement to SBSTA 49 and preparations for COP-24 – GCOS and ECV Inventory gap analysis – Actions <i>SIT 33-07</i> and <i>CEOS-31-01</i> 	Jörg Schulz , WGClimate Chair (EUMETSAT)

Session 2: Climate and Carbon Observations

#	Time <i>Duration</i>	Topic	Presenter
2.3	11:00 – 11:10 <i>10 min</i>	CEOS Chair Greenhouse Gas (GHG) Workshop <ul style="list-style-type: none"> – Interfaces Between CEOS Agencies and the GHG Monitoring System – Laying the foundation for an international effort on CO₂ and GHG monitoring system 	Mark Dowell , CEOS Chair Team (COM)
2.4	11:10 – 11:30 <i>20 min</i>	CEOS Carbon Strategy <ul style="list-style-type: none"> – Carbon data portal prototype – Cal/Val and production of biomass products – Colombia Data Cube prototype – CGMS coordination – Action <i>SIT 33-12</i> 	Mark Dowell , CEOS Chair Team (COM)
2.5	11:30 – 11:45 <i>15 min</i>	AC-VC <ul style="list-style-type: none"> – GHG White Paper – Air Quality Constellation – Actions <i>SITTWS-2017-17 and 2017-18</i> 	Ben Veihelmann , AC-VC Co-Lead (ESA) David Crisp , AC-VC (NASA)
2.6	11:45 – 11:55 <i>10 min</i>	IPCC Guidelines and Way Forward <ul style="list-style-type: none"> – 2019 IPCC Guidelines for National Greenhouse Gas Inventories 	Akiko Suzuki (JAXA)
2.7	11:55 – 12:20 <i>25 min</i>	Discussion Time <ul style="list-style-type: none"> – Confirmation of next steps that need to be completed before CEOS and GEO Plenaries – Plenary decisions recommended/required 	All

Lunch: 12:20 – 1:20, 60 minutes

Session 3: Data

#	Time <i>Duration</i>	Topic	Presenter
3.1	1:20 – 1:30 <i>10 min</i>	Session Introduction	Steve Volz , SIT Chair (NOAA)
3.2	1:30 – 1:40 <i>10 min</i>	CEOS Chair FDA Workshop	Michael Berger , CEOS Chair Team (COM)
3.3	1:40 – 2:00 <i>20 min</i>	Future Data Architecture (FDA) <ul style="list-style-type: none"> – Continuity – Next Steps 	Nic Hanowski , FDA AHT Co-Lead (ESA)
3.4	2:00 – 2:15 <i>15 min</i>	Analysis Ready Data (ARD) <ul style="list-style-type: none"> – Joint meeting outcomes – CARD4L and Data processing with connections to LEO-GEO. Action <i>SIT 33-14</i> – CEOS ARD Strategy and LSI-VC-5-13 	Jenn Lacey , LSI-VC Co-Lead (USGS)

Session 3: Data

#	Time <i>Duration</i>	Topic	Presenter
3.5	2:15 – 2:30 <i>15 min</i>	Working Group on Information Systems and Services (WGISS) <ul style="list-style-type: none"> – WGISS activities in support of ARD generation and delivery 	Mirko Albani , WGISS Chair (ESA)
3.6	2:30 – 2:50 <i>20 min</i>	Data Cubes <ul style="list-style-type: none"> – CEOS, Open Data Cube, and other Data Exploitation Platforms – ARD Requirements 	Brian Killough , SEO (NASA)
3.7	2:50 – 3:00 <i>10 min</i>	Working Group on Calibration and Validation (WGCV) <ul style="list-style-type: none"> – WGCV activities in support of FDA and ARD 	Kurt Thome , WGCV Chair (NASA)
3.8	3:00 – 3:30 <i>30 min</i>	Discussion Time <ul style="list-style-type: none"> – Confirmation of next steps that need to be completed before CEOS and GEO Plenaries – Plenary decisions recommended/required 	All

Coffee Break: 3:30 – 3:45, 15 minutes

Session 4: User Engagement Activities

#	Time <i>Duration</i>	Topic	Presenter
4.1	3:45 – 3:55 <i>10 min</i>	SIT Chair Introduction	Steve Volz , SIT Chair (NOAA)
4.2	3:55 – 4:10 <i>15 min</i>	Support to SDGs	Marc Paganini , SDG AHT Co-Lead (ESA)
4.3	4:10 – 4:25 <i>15 min</i>	Observations for Disasters <ul style="list-style-type: none"> – Expansion of GEO-DARMA Flood Pilot to Lower Mekong. Action SIT 33-03 	Simona Zoffoli , WGDisasters Chair (ASI)
4.4	4:25 – 4:40 <i>15 min</i>	Observations for Forests <ul style="list-style-type: none"> – Support to GFOI Phase 2 – GFOI Data Component – Discussion on structure and capacity 	Osamu Ochiai , GFOI Lead for CEOS (JAXA)
4.5	4:40 – 4:55 <i>15 min</i>	Observations for Agriculture <ul style="list-style-type: none"> – GEOGLAM Requirements Summary – CEOS GEOGLAM AHWG Strategic Response Plan 	Brad Doorn , GEOGLAM AHWG Co-Lead (NASA)
4.6	4:55 – 5:20 <i>25 min</i>	Discussion Time <ul style="list-style-type: none"> – Confirmation of next steps that need to be completed before CEOS and GEO Plenaries – Plenary decisions recommended/required 	All

Wrap-Up

#	Time <i>Duration</i>	Topic	Presenter
	5:20 – 5:40 <i>20 min</i>	Wrap-up – Day one summary – Day two preview	Steve Volz , SIT Chair (NOAA)

Adjourn: 5:40

Hosted Dinner: 7:15 – 9:45

Full details to be provided

- **Dress: Casual/"rustic" (no business attire allowed)**
- **Cuisine: French**
- **Transportation:**
 - **Bus pick-up at Prinz Heinrich Hotel (downtown Darmstadt) at 6:30**
 - **Bus pick-up at Best Western Plaza Hotel (near EUMETSAT) at 6:45**
 - **Travel to destination ~25 minutes**

Friday, 14 September 2018

Sessions: Oceans and Freshwater; VC, WG, and AHT Sustainability; Partnerships; and, Work Planning and Close.

Location: Council Room/STG-AFG

Registration: 8:30 – 9:00

Session 5: Oceans and Water Cycle			
#	Time <i>Duration</i>	Topic	Presenter
5.1	9:00 – 9:10 <i>10 min</i>	Session Introduction	Steve Volz , SIT Chair (NOAA)
5.2	9:10 – 9:20 <i>10 min</i>	Advancement of the COVERAGE Initiative	Vardis Tsontos , COVERAGE (NASA)
5.3	9:20 – 9:30 <i>10 min</i>	SST-VC – Tangible outcomes – Plenary decisions required	Anne O’Carroll , SST-VC Co-Lead (EUMETSAT)
5.4	9:30 – 9:40 <i>10 min</i>	OST-VC – Tangible outcomes – Plenary decisions required	Remko Scharroo , OST-VC Co-Lead (EUMETSAT)
5.5	9:40 – 9:50 <i>10 min</i>	OSVW-VC – Tangible outcomes – Plenary decisions required	Stefanie Linow , OSVW-VC Co-Lead (EUMETSAT)
5.6	9:50 – 10:00 <i>10 min</i>	OCR-VC – Tangible outcomes – In consultation with LSI-VC, update on Water Feasibility Study. Action SIT 33-08 – Plenary decisions required	Ewa Kwiatkowska , OCR-VC Co-Lead (EUMETSAT)
5.7	10:00 – 10:10 <i>10 min</i>	P-VC – Tangible outcomes – Plenary decisions required	Steve Neeck, P-VC Co-Lead (NASA)
5.8	10:10 – 10:20 <i>10 min</i>	Freshwater from Space – Workshop plans update – Action CEOS-31-05	Alex Held , SIT Vice Chair (CSIRO)*
5.9	10:20 – 10:50 <i>30 min</i>	Discussion Time – Confirmation of next steps that need to be completed before CEOS and GEO Plenaries – Plenary decisions recommended/required	All

Coffee Break: 10:50 – 11:05, 15 minutes

Session 6: VC, WG, and AHT Sustainability

#	Time <i>Duration</i>	Topic	Presenter
6.1	11:05 – 11:15 10 min	Session Introduction <ul style="list-style-type: none"> – Tangible outcomes – Optimization of resource utilization – Consistency and efficiency – Mission Planning inputs 	Steve Volz , SIT Chair (NOAA)
6.2	11:15– 11:35 20 min	CEOS Resources Utilization <ul style="list-style-type: none"> – Actions <i>SIT 33-01</i> and <i>SIT 33-05</i> 	Steve Volz , SIT Chair (NOAA)
6.3	11:35 – 11:55 20 min	<i>Ad hoc</i> Team (AHT) Lifecycles <ul style="list-style-type: none"> – Mandate renewal and reporting – Coordination prior to Plenary decision – SDCG, GEOGLAM AHWG, FDA AHT, SDG AHT – Action <i>SIT 33-11</i> 	Stephen Ward , SIT Chair Team
6.4	11:55 – 12:20 25 min	Discussion Time <ul style="list-style-type: none"> – Resource limitation – Confirmation of next steps that need to be completed before CEOS and GEO Plenaries – Plenary decisions recommended/required 	All
7.4*	12:20 – 12:30 10 min	WGCapD Capacity Building Activities	Nancy Searby , WGCapD Vice Chair (NASA)

Lunch: 12:30 – 1:30, 60 minutes

Session 7: Partnerships

#	Time <i>Duration</i>	Topic	Presenter
7.1	1:30 – 1:40 10 min	Session Introduction	Steve Volz , SIT Chair (NOAA)
7.2	1:40 – 1:50 10 min	Engagement with GEO <ul style="list-style-type: none"> – Work Programme – Priorities: Climate, Disasters, SDGs – GEO-XV Plenary 	Kerry Sawyer , SIT Chair Team (NOAA)
7.3	1:50 – 2:05 15 min	GEO-LEO Activities Update <ul style="list-style-type: none"> – Actions <i>SIT 33-15</i> and <i>SIT 33-16</i> 	Dan Lindsey (NOAA)
*7.4		See Above	
7.5	2:05 – 2:35 30 min	Discussion Time <ul style="list-style-type: none"> – Confirmation of next steps that need to be completed before CEOS and GEO Plenaries – Plenary decisions recommended/required 	All

Coffee Break: 2:35 – 2:50, 15 minutes

Session 8: Work Planning and Closing

#	Time <i>Duration</i>	Topic	Presenter
8.1	2:50 – 2:55 <i>5 min</i>	Session Introduction	Steve Volz , SIT Chair (NOAA)
8.2	2:55 – 3:10 <i>15 min</i>	Work Planning <ul style="list-style-type: none"> – CEOS 2018-2020 Work Plan Status – CEOS 2019 process improvements – Linkages to GEO Work Programme 	Steven Hosford , CEO (ESA/CNES)
8.3	3:10 – 3:25 <i>15 min</i>	Plenary Decision Items <ul style="list-style-type: none"> – New membership – VC/WG/AHT consistency and efficiencies – Others as arising 	Steve Volz , SIT Chair (NOAA), Mauro Facchini , CEOS Chair Team (COM)
8.4	3:25 – 3:40 <i>15 min</i>	AOB	All
8.5	3:40 – 3:55 <i>10 min</i>	Review of Actions <ul style="list-style-type: none"> – Highlight Workshop actions to Plenary 	SIT Chair Team
8.6	3:55 – 4:05 <i>10 min</i>	Incoming CEOS Chair Objectives	Vu Anh Tuan , Incoming CEOS Chair Team (VNSC)
8.7	4:05 – 4:15 <i>10 min</i>	CEOS Plenary Preparations	Astrid Koch , CEOS Chair Team (COM)
8.8	4:15 – 4:30 <i>15 min</i>	SIT Chair Closing Remarks	Steve Volz , SIT Chair (NOAA)

Adjourn: 4:30

VC, WG, AHT Agenda Items

Session	2	3	4	5	6	7
AC-VC	2.5					
LSI-VC		3.4				
P-VC				5.7		
OCR-VC				5.6		
OST-VC				5.4		
OSVW-VC				5.5		
SST-VC				5.3		
WGCapD						7.5
WGClimate	2.2					
WGCV		3.7				
WGDisasters			4.3			
WGISS		3.5				
SDCG			4.4			
GEOGLAM AHWG			4.5			
FDA AHT		3.3				
SDG AHT			4.2			

CEOS Work Plan Mapping

Excel spreadsheet on CEOS website - *CEOS Deliverables-SITTW2018AgendaMapping*