

WGClimate-22 & GHG-TT-5 Agenda v1.1

The CEOS/CGMS Working Group on Climate (WGClimate) and Greenhouse Gas Task Team (GHG-TT) will meet in Harwell, UK, hosted by ESA, from 11-13 February, 2025.

Week at a Glance

	Tuesday, 11 February	Wednesday, 12 February	Thursday, 13 February						
Morning	Opening Session Invited presentations	UNFCCC & the Global Stocktake Partnerships	GHG: System Development GHG: Stakeholder Engagement Other topics						
Afternoon	<table border="0"> <tr> <td><u>WGClimate</u></td> <td><u>GHG-TT</u></td> </tr> <tr> <td>ECV Inventory</td> <td>Best Practices, Sensor Development</td> </tr> <tr> <td>Climate Data Records</td> <td>Calibration and L1 Products, L2 Products and Validation, Flux Inversion Modelling</td> </tr> </table>	<u>WGClimate</u>	<u>GHG-TT</u>	ECV Inventory	Best Practices, Sensor Development	Climate Data Records	Calibration and L1 Products, L2 Products and Validation, Flux Inversion Modelling	National emission estimates	Closing session
<u>WGClimate</u>	<u>GHG-TT</u>								
ECV Inventory	Best Practices, Sensor Development								
Climate Data Records	Calibration and L1 Products, L2 Products and Validation, Flux Inversion Modelling								
Evening	Reception at the ECSAT conference center – Celebrating WGClimate at its birthplace	Hosted dinner – in central Oxford							

Day 1: Tuesday, 11 February, 2025

Bus Pickup
 Time: 7:45am
 Location: Mercure Hotel, Oxford
Please bring Passport or other photo identification

Item	Topic	Presenter <i>*remote</i>	Time (GMT)	
Session 1: Opening Session				
<i>Chair: Mark Dowell & Susanne Mecklenburg</i>				
1.1	Welcome & Review of Agenda ➤ Tour de table	Mark Dowell (EC-JRC) & Susanne Mecklenburg (ESA)	09:00	
1.2	WGClimate Work Plan	Mark Dowell (EC-JRC)	09:30	
1.3	GHG Roadmap and Activities	Yasjka Meijer (ESA, GHG-TT Lead)	09:50	
1.4	Review of UNFCCC COP-29 and Earth Information Day	Susanne Mecklenberg (ESA), Beth Greenaway (UKSA, CEOS Chair Team), Mark Dowell (EC-JRC), Vincent-Henri Peuch (ECMWF)	10:10	
Group Photo + Coffee Break			10:30	
1.5	UNEP International Methane Emissions Observatory (IMEO)	Steven Hamburg (EDF)	11:00	Side Meeting:

1.6	The skill of Earth Observation for Tipping Points research (Invited)	Tim Lenton (U of Exeter)	11:20	GHG Best Practices Location: Moon Room
1.7	Strengthening the climate modelling - observation interface (Invited)	Eleanor O'Rourke (ESA)	11:50	
1.8	Discussion	All	12:20	
RAL Site Visit & Lunch Break <i>(two groups)</i>			12:30	

Location: Mars Room		
Item	Presenter	Time (GMT)
Session 2: WGClimate - ECV Inventory & Climate Data Records <i>Chair: Mark Dowell</i>		
2.1 Future plan for ECV inventory and support for gap analysis and coordinated action plan	Jörg Schulz (EUMETSAT), Alexandra Nunes (EUMETSAT)*	14:15
2.2 Response to GCOS Implementation Plan	Jörg Schulz (EUMETSAT)	14:35
2.3 GCOS Update	Caterina	14:50

Location: Earth Room		
Item	Presenter	Time (GMT)
Session 3: GHG-TT <i>Chair: Yasjka Meijer</i>		
3.1 GHG Best Practices Update (BP-01)	Paul Green (NPL), GHG TT	14:15
3.2 Sensor development	Yasjka Meijer, David Crisp	14:40
3.3 Calibration and Level 1 Products: Annual vicarious calibration campaigns (L1CAL-01)	Hiroshi Suto (JAXA)	15:05

	Tassone (GCOS)				
2.4 Discussion	All	15:10			
Coffee Break					15:30
2.5 AVHRR Fundamental CDR & Heritage Dataset recovery	Mirko Albani (ESA)*	15:50	3.4 Level 2 Products: Validation	Ruediger Lang (EUMETSAT), Dave Crisp	15:50
2.6 CDR definition	Jörg Schulz (EUMETSAT)	16:10			
2.7 GCOS guideline for generating climate data records	Stephan Bojinski (EUMETSAT)*	16:30	3.5 Level 2 Products: Intercomparison Algorithms	Ruediger Lang (EUMETSAT), Dave Crisp	16:20
2.8 Discussion	All	16:50	3.6 Flux Inversion Modelling: Assess adaptation of current CEOS practices for G3W applications (INV-01)	TBD	16:50
Adjourn					17:30
Reception: Celebrating WGClimate at its birthplace					18:00
Location: ESA ECSAT					
<i>Bus back to Oxford will depart at TBC</i>					

Day 2: Wednesday, 12 February, 2025

Bus Pickup
 Time: 8:00am
 Location: Mercure Hotel, Oxford
Please bring Passport or other photo identification

Location: Earth Room

Item	Topic	Presenter <i>*remote</i>	Time (GMT)
Session 4: Stakeholders			
<i>Chair: Mark Dowell</i>			
4.1	UNFCCC: GST/RSO	Heather Maseko (UNFCCC)*	09:00
4.2	UNFCCC: Adaptation	Maryam Navi (UNFCCC)*	09:20
4.3	CEOS-CGMS GST Lessons Learned	Jörg Schulz (EUMETSAT)	09:40
4.4	Future CEOS GST Strategy	Osamu Ochiai (JAXA)	10:00
4.5	Discussion	All	10:20
Coffee Break			10:40
Session 5: Partnerships			
<i>Chair: Mark Dowell</i>			
5.1	WMO Global Greenhouse Gas Watch (G3W)	Gianpaolo Balsamo (WMO)	11:20

5.2	Copernicus Atmosphere Monitoring Service (CAMS)	Richard Engelen (ECMWF), Hugo Zunker (EC)	11:40
5.3	Discussion	All	12:00
Lunch Break			12:30
Session 6: National emission estimates			
<i>Chair: Yasjka Meijer</i>			
6.1	Opportunities and challenges for the use of space-based observations to inform carbon fluxes	Phillipe Ciais (LSCE)*	13:30
6.2	GHG Budget: results from RECCAP2	Ana Bastos*	13:50
6.3	Global GHG reconciliation: UNFCCC GHG inventories and atmospheric inversion	Phillipe Ciais (LSCE)*	14:10
6.4	UK	Onoriode Esegbue (Energy security)	14:30
	<i>Discussion/buffer</i>		14:50
Coffee Break			15:10
6.5	France	Mélanie Juillard (CITEPA)	15:30
6.6	Germany	Andrea Kaiser-Weiss (DWD)	15:50
6.7	Steps to improve Norwegian and European emission estimates	Glen Peters (CICERO)*	16:10
6.8	Denmark	Ole Krarup Leth (National Centre for Climate Research, Denmark)*	16:30

6.9	Discussion	All	16:50
Adjourn			17:30
Hosted Dinner in Central Oxford <i>Details TBC</i> <i>Bus will take participants directly from ECSAT to the venue</i>			

Day 3: Thursday, 13 February, 2025

Bus Pickup
 Time: 8:00am
 Location: Mercure Hotel, Oxford
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Location: Earth Room

Item	Topic	Presenter <i>*remote</i>	Time (GMT)
Session 7: GHG-TT - System Development & Stakeholder Engagement			
<i>Chair: Yasjka Meijer</i>			
7.1	System Development: Inventory of use cases (SYS-02)	Richard Engelen (ECMWF)	09:00
7.2	Engaging with GCP & RECCAP (STAKE-05)	Mark Dowell (JRC)	09:30
7.3	G3W & IMEO Engagement (STAKE-03)	Mark Dowell (JRC)	10:00
Coffee Break			10:30
Session 8: Other Topics			
<i>Chair: Jörg Schulz</i>			
8.1	Participation and contribution to UNFCCC events	Mark Dowell (EC-JRC), Vincent-Henri Peuch (ECMWF, WGClimate Vice Chair)*	11:00

8.2	Expanding the Utility of ECV Inventory to Address Emerging Priorities (tipping points, CMIP, ESMO, adaptation, carbon cycle in a changing climate ...)	Mark Dowell (EC-JRC), Jörg Schulz (EUMETSAT)	11:20
8.3	Roadmaps combined: comprehensive monitoring of the carbon budget	Vincent-Henri Peuch (ECMWF, WGClimate Vice Chair)*, Richard Engelen (ECMWF)	11:50
8.4	Capacity Development: EOTEC DevNet Climate Change Communities of Practice	Martyna Anna Stelmaszczuk-Górska (EOTEC DevNet Secretariat)*	12:20
8.5	WIGOS 2050 Vision	Heikki Pohjola (WMO)*	12:40
8.6	Discussion	All	13:00
Lunch Break			13:30
Session 9: Closing Session			
<i>Chair: Mark Dowell</i>			
9.1	WGClimate Summary and Action Review	Libby Rose (WGClimate Secretariat)	14:30
9.2	GHG Task Team Summary and Action Review	Yasjka Meijer (ESA)	14:50
9.3	Closing remarks <ul style="list-style-type: none"> ➤ Future meetings ➤ AOB 		15:10
Adjourn			15:30