

## WMO GHG/CARBON MONITORING WORKSHOP

### The case for a coordinated Global Greenhouse Gas Monitoring Infrastructure

#### Draft Program

**(Note: All talk should be at least 5 mins shorter than allocated time to facilitate Q&A and discussions)**

Time	Topic	Speaker
<b>Day 1</b>		
08:00 – 08:10	Welcome from WMO	Petteri Taalas WMO SG and Lars Peter Riishojgaard
08:10 – 08:30	Status of the Climate and responding to COP21 and COP 26	Petteri Taalas/WMO SG
08:30 – 08:40	Discussion on objective	Stephen Briggs/Cambridge Univ Centre for AI and Environmental Risk & Reading Univ Drpt of Meteorology
08:40 – 09:00	Need for quantitative Data for IPCC	Han Dolman/GCOS
09:00 – 09:20	Monitoring the carbon cycle	Philippe Ciais/LSCE ( <i>remote</i> )
09:20 – 09:40	The Global Atmosphere Watch	Greg Carmichael/GAW
09:40 – 10:00	A global GHG/Carbon monitoring framework	Lars Peter Riishojgaard/WMO
<b>10:00 – 10:15 Coffee break</b>		
10:15 – 10:35	US GHG Monitoring activities	Colm Sweeney/ESRL
10:35 – 10:55	Global Carbon Project	Pep Canadell/GCP ( <i>remote</i> )
10:55 – 11:15	Land surface modelling	Stephen Sitch/UoE
11:15 – 11:35	Permafrost carbon feedback	Claire Treat/AWI Helmholtz Centre
<b>11:35 – 12:30 Lunch break</b>		
12:30 – 12:45	Charge for the Breakout groups	Lars Peter Riishojgaard/WMO
12:45 – 14:15	Breakout Group 1, Room C1 <a href="#">Click here to join the meeting</a>	Rapporteurs
	Breakout Group 2, VIP Room <a href="#">Click here to join the meeting</a>	Rapporteurs
	Breakout Group 3, Room 0L08 <a href="#">Click here to join the meeting</a>	Rapporteurs
End Day 1		
<b>Day 2</b>		
08:00 – 08:20	Need for Action: Enabling a global goal on observation for the Paris Agreement	Joanna Post/UNFCCC ( <i>remote</i> )
08:20 – 08:40	Ocean modelling	Mike Smit/GOOS
08:40 – 09:00	Greenhouse Gas Monitoring Project at NIES	Akihiko Ito/NIES ( <i>remote</i> )
09:00 – 09:20	Advancing surface-based observational capabilities	Lars Peter Riishojgaard/WMO
09:20 – 09:40	China GHG/Carbon Monitoring activities	Xingying Zhang/NSMC/CMA ( <i>remote</i> )
<b>09:40 – 09:55 Coffee break</b>		
09:55 – 10:15	Challenges for operational greenhouse gas monitoring – The Swiss perspectives	Martin Steinbacher/Empa, Dübendorf / Zürich
10:15 – 10:35	Copernicus Atmospheric Services	Vincent-Henri Peuch/CAMS
10:35 – 10:55	Data assimilation for carbon monitoring	Brad Weir/NASA
10:55 – 11:15	Surface-based observations	Alex Vermeulen/GAW
11:15 – 11:35	Space-based observations	David Crisp/Crisp Spectra, LLC

11:35 – 12:30	Lunch break	
12:30 – 12:50	Need for an integrated approach for Greenhouse monitoring	Mark Dowell/EC
12:50 – 13:10	IG3IS GHG/Carbon monitoring activities	Phil DeCola/IG3IS
13:10 – 13:20	GHGs Monitoring in India	Vijay Soni/IMD
13:20 – 13:50	Outcome of discussions on: System architecture Including Plenary discussion	Rapporteur
13:50- 14:20	Outcome of discussions on: Governance Including Plenary discussion	Rapporteur
14:20 – 14:50	Outcome of discussions on: Next steps Including Plenary discussion	Rapporteur
End Day 2		
Day 3		
08:00 – 08:20	WMO role in the World Weather Watch	Anthony Rea/WMO
08:20 – 08:30	GEO perspectives	Yana Gevorgyan/GEO
08:30 – 08:40	Introduction for Plenary discussion Part II	Lars Peter Riishojgaard/WMO
08:40– 10:40	Formulation of key recommendations and way forward	Stephen Briggs/Cambridge Univ Centre for AI and Environmental Risk & Reading Univ Drpt of Meteorology
10:40 – 11:10	Summary conclusions/wrap-up	Stephen Briggs, Cambridge Univ Centre for AI and Environmental Risk & Reading Univ Drpt of Meteorology, Anthony Rea/WMO
11:10	End of workshop	Lars Peter Riishojgaard/WMO