

AC-VC-13, Paris

Day 1, 28 June 2017

Presentation	Speaker/Chair	Time (start)	Duration [min]
AC-VC-13 Welcome and Logistics	Deniel, Clerbeaux, Veiheilmann, Al-Saadi	9h	15
AC-VC-13 Greenhouse Gas Session	Dave Crisp, NASA	9h15	
GHG Session 1: Mission status updates			
GOSAT and GOSAT-2	Dave Crisp, NASA for A. Kuze		15
OCO-2 and OCO-3	Dave Crisp, NASA		15
TanSat	Claus Zehner, ESA for Yi Liu		15
Sentinel 5P	Claus Zehner, ESA		15
MicroCarb	François-Marie Breon, IPSL/LSCE		15
Coffee break		10h30	30
MERLIN	Carole Deniel, CNES	11h00	15
GeoCarb	Dave Crisp, NASA for Berrien Moore		15
ESA/EC GHG Sentinels	Yasjka Meijer, RHEA for ESA		15
HEO Options	Ray Nassar, ECCC		15
TCCON/AirCore Validation Discussion	Yao Té, CNRS/UPMC		15
Lunch		12h30	60
GHG Session 2: GHG Constellation White Paper			
Introduction	Dave Crisp, NASA	13h30	5
UNFCCC and IPCC Engagement Status	Yoshiaki Kinoshita, JAXA		10
GHG White paper overview and context	Dave Crisp, NASA		15
Calibration Discussion	Dave Crisp, NASA/ All		15
Measurement goals and requirements – by scale	All		30
Summary of Space-based capabilities and near-term plans	All		15
Gap analysis – role of future constellations	All		15
Coffee break		15h	30
Infrastructure needs (cal/val/models)	All	15h30	30
The transition to operations	All		30
Actions and assignments	All		30
GHG Round-up Discussion	All	17h00	30

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Day 2, 29 June 2017

Presentation	Speaker	Time (start)	Duration [min]
AC-VC-13 AQ session: Intro	Ben & Jay	9h	5
AQ Session 1: Mission status updates and product validation plans			
GEMS	Jongmin Yoon, NIER/ Ara Cho, NIER/ Jhoon Kim, Yonsei Univ	9h05	15
Sentinel-4	Ben Veihelmann, ESA		15
TEMPO	Kelly Chance, SAO		15
Sentinel-5 Precursor	Pepijn Veefkind, KNMI		15
Thermal IR	Cathy Clerbaux, LATMOS/IPSL		15
Cal/Val Plan for IASI-NG	Cyril Crevoisier, CNRS-LMD		15
Coffee break		10h35	25
AQ Session 2: Initial constellation validation activities			
Status and future plans of the Fiducial Reference Measurements project (incl Pandonia, CINDI-2)	Michel Van Roozendael, BIRA	11h	20
US network plans	Luke Valin, EPA / Barry Lefer, NASA		20
Asia network plans	Sang-Woo Kim, SNU		20
KORUS-AQ campaign results as a validation prototype	Ara Cho, NIER		20
Constellation validation needs and Inter-mission bias targets	All, discussion led by Ben		30
Trace Gas Round-up Discussion	all	12h50	10
Lunch		13h	90
AQ Session 3: Satellite aerosol for AQ			
Aerosol: a new topic in AC-VC	Ben Veihelmann, ESA	14h30	10
GEO-based aerosol sensing and the potential of combining TEMPO and ABI	Omar Torres, NASA		20
Joint retrieval of aerosol and surface reflectance from SEVIRI	Yves Govaerts, Rayference		20
Monitoring particulate pollution using GOCI COMS	Jhoon Kim, Yonsei University		20
Multiangle imaging spectroradiometry	Dave Diner, NASA JPL		20
Coffee break		1600	30
Polarimetric multiview imager (POLDER/3MI/DPC)	Oleg Dubovik, LOA	1630	20
Polar Multi-sensor Aerosol optical properties product	Ruediger Lang, EUMETSAT		20
Infusing aerosol information from satellite observations into air quality applications	Amy Huff, Penn State University		20
Assimilation of satellite data for air quality monitoring and forecasting	Angela Benedetti, ECMWF		20
Aerosol Round-up Discussion	all	17h50	10

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Day 3, 30 June 2017

Presentation	Speaker	Time (start)	Duration [min]
AC-VC-13 Ozone trends session	Gordon	9h	
Total Ozone			
An update on CEOS goals, new versions of TOMS & OMI data, ISS SAGE III update	Gordon Labow, NASA	9h	20
Ozone Profiles			
An update on the LOTUS Project	Sophie Godin-Beekman, LATMOS	9h20	20
Long-term ozone trends in the stratosphere as observed by limb and occultation instruments	Viktorija Sofieva, FMI		20
Tropospheric Ozone			
An update of the TOAR activities	Brice Barrett, CNRS	10h	20
Retrieving Tropospheric Ozone with IASI	Cathy Clerbaux, LATMOS/IPSL		20
Tropospheric ozone from OMI and plans for Sentinel 4	Richard Siddans, RAL		20
Coffee break		11h	30
Contributed Talks and Other Business		11h30	
Potential synergies of air quality and carbon constellation	Kevin Bowman, NASA JPL	11h30	15
Update on GEOS5-NR Chem and Radiance simulations for the GEO Constellation	Arlindo DaSilva, NASA		15
Update on mini-satellite for air quality observation with 1x1 horizontal resolution and NICT project for air pollution	Yasko Kasai, NICT		15
17 years of MOPITT carbon monoxide data: results and prospects for future satellite CO observations	Helen Worden, NCAR		15
AC-VC-13 any other business, wrap-up, and closing	All	12h30	
Plans for next meeting		12h30	15
Any other business and wrap-up			15
Adjourn		13h	

Posters – viewing during all coffee and lunch breaks

AOD-PM2.5 relationships in various time and spatial scales: Implications for using AOD for air quality applications	Mian Chin, NASA
RT Intercomparison between GEO-CAPE and MAGEAQ	Vijay Natraj, NASA
GAIA-CLIM: Gap Analysis for Integrated Atmospheric ECV - Climate Monitoring	Jean-Christopher Lambert, BIRA-IASB
MAIAC aerosol-surface retrievals from AHI HIMAWARI-8	Alexei Lyapustin, NASA
Innovative satellite observation of the 3D distribution of tropospheric ozone and aerosols	Juan Cuesta, LISA
Short-term trends of lower and upper tropospheric ozone over China from IASI observations	Gaëlle Dufour, LISA/CNRS
Validation of satellite atmospheric composition measurements using Environment Canada remote sensing network	Vitali Fioletov, ECCC
Decadal Record of Total Column Methane from SCIAMACHY and GOSAT	John Worden, NASA
New UV absorption cross section of ozone at 325 nm as a reference for atmospheric remote sensing	Christof Janssen, CNRS
UV-IR ozone line intensity study using ground-based FTIR	Christof Janssen, CNRS