CEOS Atmospheric Composition Virtual Constellation AC-VC-14 (draft 2018 Apr 05) May 2nd - 4th (Wednesday-Friday), 2018

Wednesday, May 2

	Chair/speaker
Welcome	
Opening	Jay Al-Saadi (NASA) & Ben Veihelmann (ESA)
Welcome by host	Shoba Kondragunta & Larry Flynn (NOAA)

Greenhouse Gas Session	**Dave Crisp (JPL)**
Status and plans of greenhouse gas missions. Ground-based or aircraft programs providing validation data. Discussion on AC-VC GHG White Paper.	
GOSAT and GOSAT-2	Key Shiomi (JAXA)
OCO-2 and OCO-3	Dave Crisp (NASA)
S5P CH4 retrieval	Claus Zehner (ESA)
TanSat, FY-3D/3F and the Chinese GHG program	Yi Liu (CAS) and Peng Zhang (CMA)
GaoFen-5 GHG Monitoring Instrument	Mingmin Zou (CAS)
French activities on GHG (incl. ground based?) <tbc>	Carole Deniel (CNES)
Status of IASI FM 3 and latest progress on IASI-NG project development	Francois Bermudo (CNES)
GeoCARB	Berrien Moore (University of Oklahoma)
European Commission's plans towards a European anthropogenic GHG emission monitoring and verification support capacity	Hugo Zunker (EC)
status High-Priority Candidate Copernicus Mission for CO2	Yasjka Meijer (ESA)
ARRHENIUS – GEO GHG Observations for Africa and Europe	Andre Butz (Heidelberg)
CMS Flux Contributions to Carbon Cycle Science	Kevin Bowman (NASA)
Observing methane emissions from space with the next generation of satellite instruments: from global OH monitoring down to individual point sources	Daniel Jacob (Harvard)
GHG whitepaper	all

Combined Poster Session (Posters to remain up all week)	

Thursday, May 3

Ozone profiles	Gordon Labow (NASA) and Diego Loyola (DLR)
Status and plans of ozone profile products. Consistent long-term data sets.	
LOTUS - merging limb instrument data	Stacey Frith (NASA)
CCI nadir profiles	Michel Van Roozendael (BIRA)
SBUV/OMPS Present & Future work	Stacey Frith & Natalya Kramarova (NASA)
IASI ozone profiles	Cathy Clerbaux (LATMOS/IPSL)
AIRS + OMI merged ozone profile	Kevin Bowman (NASA)
Ozone from new missions: TROPOMI/S5P	Diego Loyola (DLR)
Ozone from new missions: SAGE III	Dave Flittner (NASA)

AQ gas	Ben Veihelmann (ESA) and Jay Al-Saadi (NASA)
Status and plans of air quality missions. Focus on S5P. Validation needs and strategies, needs document for GeoAQ constellation.	
GEMS	Jhoon Kim (Yonsei University)
Sentinel-4	Ben Veihelmann (ESA)
TEMPO	Kelly Chance (SAO)
Sentinel-5 Precursor	Pepijn Veefkind / Henk Eskes (KNMI)
Sentinel-5 Precursor	Claus Zehner (ESA)
IASI for AQ - what's new since the last CEOS meeting	Cathy Clerbaux (LATMOS/IPSL)
GaoFen-5 EMI	Liangfu Chen (CAS)
S5P automated validation facility	Jean-Christopher Lambert (BIRA)
Pandora Global Network status and plans <tbc>	Bob Swap, Alexander Cede (NASA) <tbc>
AQ-related Fiducial Reference Method projects, Pandonia <tbc>	Michel Van Roozendael (BIRA) <tbc>
Cal/Val Needs GEMS/S4/TEMPO document	all

Interdisciplinary items	
GSICS UV-Vis	Larry Flynn (NOAA)
CAMS	Richard Engelen (CAMS/ECMWF)
Making better use of high-resolution data in data assimilation	Henk Eskes (KNMI)

Friday, May 4

Morning Session

AQ/GHG co-benefits	Kevin Bowman (JPL)
Multi-constituent data assimilation and OSSEs	
Inferring coupling between reactive gases and terrestrial ecosystems/agriculture through OSSE	Danica Lombardozzi (NCAR)
Multi-constituent AQ and AQ/GHG OSSEs	Kazuyuki Miyazaki (JAMSTEC)
synergy AQ and CO2	Hugo Zunker (EC) on behalf of Maathout (JRC)
<title TBC>	Lesley Ott (NASA)
<title TBC>	Arlindo da Silva (NASA)
Observational Constraints of Anthropogenic Combustion from Space: Opportunities for Monitoring Efficiency	Ave Arellano (U. Arizona)
<title TBC>	Dylan Jones (U. Toronto)
Case studies of CO and NO2 as indicators of anthropogenic CO2: Germany vs. India	Julia Marshall
Carbon Human Emissions (CHE) overview	Richard Engelen (CAMS/ECMWF)

Afternoon Session

AQ aerosol	Omar Torres (NASA) and Ben Veihelmann (ESA)
How to make the most from satellite observations of aerosol for air quality? What do we learn from the operational met imagers?	
Legacy GOES vs GOES-R Series	Shobha Kondragunta, Istvan Lazlo (NOAA)
GOES-16 ABI AOD Algorithm and Product Validation	Istvan Lazlo, Mi Zhou (NOAA)
Report of TEMPO Aerosol Workshop	Omar Torres (NASA)
GOES-R/TEMPO Synergy	Pubu Ciren, Shobha Kondragunta (NOAA)
Approaches to scale AOD to PM2.5	Shobha Kondragunta (NOAA)
AQ Forecasting Applications of GOES-16 data	Amy Huff (Pennsylvania State U.)
Aerosol and PM retrieval COMS GOCI	Jhoon Kim (Yonsei University)
Assimilation of Radiances for Aerosol Monitoring	Gareth Thomas (RAL)
Assimilation of radiances for AQ applications	Patricia Castellanos (NASA)
Surface-based aerosol observations	Sangwoo Kim (Seoul National University)
AOD-PM2.5 relationships in different time and spatial scales	Mian Chin (NASA)
Adding high temporal resolution to the global long-term aerosol data record: A synergy of LEO and GEO	Rob Levy (NASA)

AOB	
Wrapup, next meeting, AOB	