AC-VC-13, Paris

Day 1, 28 June 2017

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| **Presentation** | **Speaker/Chair** | **Time (start)** | **Duration [min]** |
| AC-VC-13 Greenhouse Gas Session | Dave Crisp, NASA | 9h | 5 |
| GHG Session 1: Mission status updates |  |  |  |
| GOSAT, GOSAT-2, OCO-2, OCO-3, GeoCARB, MicroCarb, MERLIN, Sentinel-7, GaoFen-5/GMI, TanSat, ESA-EC, quasi-geostationary (all TBC) | Speakers TBC | 9h05 | 85 |
|  |  |  |  |
| Coffee break |  | 10h30 | 30 |
| GOSAT, GOSAT-2, OCO-2, OCO-3, GeoCARB, MicroCarb, MERLIN, Sentinel-7, GaoFen-5/GMI, TanSat, ESA-EC, quasi-geostationary (all TBC) | Speakers TBC | 11h | 90 |
|  |  |  |  |
| Lunch |  | 12h30 | 90 |
| GHG Session 2: GHG Constellation White Paper |  |  |  |
| Status and development of the white paper | Dave Crisp, NASA | 14h | 90 |
|  |  |  |  |
| Coffee break |  | 15h30 | 30 |
| Status and development of the white paper (cont.) | Dave Crisp, NASA | 16h | 90 |
| Possible poster viewing (TBC) |  |  |  |
| GHG Round-up Discussion | all | 17h30 | 10 |

We are also planning for a poster session for contributed topics.

AC-VC-13, Paris

Day 2, 29 June 2017

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| **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 | Sang-Kyoon Kim, NIER/ Jeongsu Kim, NIER/ Jhoon Kim, Yonsei University | 9h05 | 15 |
| Sentinel-4 | Ben Veihelmann, ESA |  | 15 |
| TEMPO | Kelly Chance, SAO |  | 15 |
| Sentinel-5 Precursor | Pepijn Veefkind, KNMI |  | 15 |
| GaoFen-5 EMI | Liangfu Chen, CAS |  | 15 |
| Thermal IR | Cathy Clerbaux, LATMOS/IPSL |  | 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 | Limseok Chang, NIER & Jay Al-Saadi, NASA / Luke Valin, EPA |  | 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 |
| Aerosol: a new topic in AC-VC | Ben Veihelmann, ESA | 14h30 | 10 |
| AQ Session 3: Satellite aerosol for AQ |  |  |  |
| GEO-based aerosol sensing and the potential of combining TEMPO and ABI | Omar Torres, NASA | 14h40 | 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 |

We are also planning for a poster session for contributed topics.

AC-VC-13, Paris

Day 3, 30 June 2017

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| **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 | Viktoria 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 |  |