

Time	Presenter / Agenda Item	Institute	Title
10:00 - 11:00	<b>Registration at KNMI, Buys Bullotzaal</b>		
	<b>Convener: Pieter Levelt</b>		
	<b>Morning Session: Welcome, Mission Support, and Mission Status</b>		
11:00	Gerard van Steenhoven	KNMI	Welcome from KNMI Director
11:10	Pieter Levelt	KNMI	Opening Remarks
11:20	Barry Lefer	NASA HQ	NASA Activities in support of the OMI mission
11:35	Joanna Joiner	NASA-GSFC	NASA Senior Review Summary
11:45	Dominic Fisher	NASA-GSFC	Aura Mission Status
12:05	Mirna van Hoek	KNMI	Overview and Status of OMI Operations
12:20	Quintus Kleipool	KNMI	OMI Calibration Status
12:40	Sergey Marchenko	SSAI-NASA	Going along the Solar Cycle 24 with OMI
13:00	<b>Lunch</b>		
	<b>Convener: Pepijn Veeffkind</b>		
	<b>Afternoon Session 1: PI Overview Talks</b>		
14:00	Johanna Tamminen	FMI	Activities at FMI
14:15	Joanna Joiner	NASA	Activities at NASA
14:35	Pieter Levelt	KNMI	Activities at KNMI
	<b>Afternoon Session 2: OMI Algorithm and Data Product Developments</b>		
15:00	Wenhan Qin	SSAI-NASA	Geometry-dependent surface Lambertian-equivalent reflectivity (GLER) product: implementation and first results over the entire OMI mission
15:15	Alexander Vasilkov	SSAI-NASA	A cloud algorithm based on the O2-O2 477 nm absorption band featuring an advanced spectral fitting method and the use of surface geometry-dependent Lambertian-equivalent reflectivity
15:30	Juseon Bak	Harvard-SAO	Improving the Retrieval Accuracy and Long-term Consistency of Ozone profile and Tropospheric Ozone Measurements from the OMI on EOS Aura
15:45	<b>Coffee break</b>		
16:10	Can Li	UMD	New Version OMI Pollution SO2 Product: Implementation Status and Initial Results
16:25	Fei Liu	NASA-GSFC	<i>Remote:</i> A new global anthropogenic SO2 emission inventory for the last decade: A mosaic of satellite-derived and bottom-up emissions (presented on behalf of Fei Liu)
	<b>Introduction of Wednesday topic: Application of OMI &amp; TROPOMI data for air quality studies</b>		
16:40	Gerard Hoek	Univ. Utrecht	<i>Invited:</i> The implications of the OMI long-term data record and TROPOMI high resolution for human health studies
17:15	<b>Adjourn</b>		
17:20	<b>Icebreaker / Borrel at KNMI</b>		

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**Location: Biltsche Hoek Hotel, Meeting Room**

**Convener: PK Bhartia**

**Morning Session 1: AQ and Emissions Monitoring**

9:00	Iolanda Ialongo	FMI	Increasing the societal impact of satellite-based observations for air pollution monitoring: applications from OMI and S5P/TROPOMI
9:20	Lok Lamsal	NASA-GSFC	OMI NO2 Standard Product Data Improved with Critical Algorithm Updates
9:40	Steffen Beirle	MPIC	NO2 observations from space: digging beyond the mean
10:00	Tim Vlemmix (J. de Bruin)	KNMI	Separation of NOx emissions from Drilling, and Oil and Gas Extraction in the U.S. using Monthly Data from the Ozone Monitoring Instrument

**Morning Session 2: NO2 data records, trend analysis**

10:20 **Coffee Break**

11:00	Marina Zara	KNMI	High-resolution trends in tropospheric NO2 columns over Europe derived from the 2004-2017 OMI and GOME-2A QA4ECV and DOMINO v2 data records: environmental policy, economic activity, emissions
11:20	Folkert Boersma	KNMI	A new tropospheric NO2 column data record for OMI, GOME-2, SCIAMACHY and GOME from the European Quality Assurance For Essential Climate Variables (QA4ECV) project
11:40	Vinod Kumar	MPIC	Comparison of MECO(n) simulated NO2 vertical and slant column densities with TROPOMI and OMI observations over Rhineland-Palatinate
12:00	Alba Lorente	Wageningen	Monitoring nitrogen oxides emissions from build-up of pollution over Paris with S5P-TROPOMI

12:20 **Lunch**

**Convener: Joanna Joiner**

**Afternoon Session: TROPOMI capabilities**

13:30	Pepijn Veefkind	KNMI	S5P/TROPOMI first year in orbit, addressing the OMI-TROPOMI overlap
13:50	Antje Ludewig	KNMI	TROPOMI Calibration Overview
14:10	Jiyunting Sun	KNMI	Quantifying aerosol absorption using TROPOMI observations -- a case study for the December 2017 southern California wildfires
14:30	Henk Eskes	KNMI	QA4ECV-OMI and TROPOMI NO2: retrievals and intercomparisons
14:50	<b>Coffee Break</b>		
15:10	Ilse Aben	SRON	The TROPOMI SWIR channel : Early results on methane and carbonmonoxide
15:30	Debra Griffin	Env-Canada	<i>Via WebEx:</i> CO2 emissions from power plants derived from the Ozone Monitoring Instrument NO2 dataset (Moved to Thursday, due to time constraints)
15:50	<b>Adjourn</b>		

16:00-18:00 **(Optional, by invitation) OMI Mission Operations Side Meeting (MOWG)**

18:00 Depart De Bilt via Bus / public transport

18:30 **Group Dinner at De Rechtbank in Utrecht**

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	<b>Location: Biltsche Hoek Hotel, Meeting Room</b>		
	<b>Convener: Johanna Tamminen</b>		
	<b>Morning Session 1: Poster session</b>		
10:00	3-minute Poster Pitches		
10:30	<b>Coffee Break</b>		
10:40	<b>Poster Session</b>		
12:15	<b>Lunch</b>		
	<b>Afternoon Session: Future OMI &amp; Aura Mission Planning</b>		
13:15	Pieterneel Levelt	KNMI	Introduction to Afternoon Session
13:25	Quintus Kleipool (on behalf Nico Rozemeijer)	KNMI	Possibilities for the future of the OMI mission
13:55	Joanna Joiner	NASA-GSFC	Planning the future of the Aura mission
14:25	<b>Mission Planning Discussion in Groups</b>		
14:55	<b>Coffee Break</b>		
15:20	Debora Griffin	Env-Canada	<i>Via WebEx:</i> CO2 emissions from power plants derived from the Ozone Monitoring Instrument NO2 dataset
15:40	<b>Summary &amp; Conclusions led by moderating panel</b>		
16:00	Pieterneel Levelt	KNMI	Closing Remarks
16:15	<b>Adjourn</b>		

<b>First</b>	<b>Last</b>	<b>Institute</b>	<b>Title</b>
Anu-Maija	Sundström	FMI	Satellite-based analysis of surface-level O3-NOx-VOC sensitivity
Brad	Fisher	SSAI	New Version of the OMI-MODIS Cloud Product (OMMYDCLD)
Chris	Chan Miller	Harvard-SAO	The Measures project for HCHO, CHOCHO and H2O: The plan for long-term consistent records from GOME to OMI and beyond
Christian	Borger	MPIC	Total column water vapour (TCWV) in the visible "blue" spectral range: Validation and comparisons between OMI and TROPOMI
David	Haffner	SSAI	Evaluating Errors in the TOMS V9 Total Ozone Algorithm Due to Uncertainty in Ozone Profile Shape
Deborah	Stein Zweers	KNMI	Using the NO2-sonde data to better understand OMI NO2 retrievals: a comparison of QA4ECV and DOMINO
James	Johnson	NASA-GSFC	OMI/TROPOMI Data Support from GES DISC
Nick	Gorkavyi	SSAI	New saturation and nonlinearity flags for OMI UV2 and VIS measurement spectra
Richard	McPeters	NASA-GSFC	OMI ozone compares with the OMPS nadir mapper ozone
Yeonijn	Jung	Harvard-SAO	Study of aerosol effects on AMF calculations for trace gas retrievals
Zachary	Fasnacht	NASA-GSFC	Evaluating geometry-dependent surface Lambertian-equivalent reflectivity (GLER) with OMI L1B measurements at 466nm