

# User Consultation Meeting GlobEmission

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Draft agenda (11 Nov. 2015)

**Date:** 24-25 November 2015

**Place:** QEERI, Auditorium CNA-Q, Doha, Qatar

## Day 1 – Global and Regional Emission Inventories

- 8:00 Official opening by official from Qatar
- 8.10 Introduction on ESA and Earth Observation by Claus Zehner (ESA)
- 8.30 Tropospheric trace gas measurements from space using nadir UV-Vis sensors by Christophe Lerot (invited speaker from BIRA-IASB)
- 9.00 A benchmarking tool to screen and compare bottom-up and top-down emission inventories by Kees Cuvelier (Invited speaker from JRC)
- 9.30 *Coffee break*
- 9.50 GlobEmission project overview by Ronald van der A (KNMI)
- Global Fire and Biogenic Emissions**
- 10.00 Last developments of IS4FIRES, towards unified dataset by Mikhail Sofiev (FMI)
- 10.20 VOC emissions estimated from formaldehyde satellite observations by Jenny Stavrakou (BIRA-IASB)
- 10.40 User feedback presented by Jenny Stavrakou on behalf of Katerina Sindelarova (LATMOS)
- Global Aerosol Emissions**
- 11.00 Aerosol emission estimates from MODIS data: regional to global by Julius Vira (FMI)
- 11.20 Demonstration data portal of GlobEmission by Bas Mijling (KNMI)
- 11:45-12:45 *Lunch*
- Regional Emissions Europe**
- 12.45 NO<sub>x</sub> emissions in Europe from OMI and GOME-2 observations by Bas Henzing (TNO)

- 13.05 European NO<sub>x</sub>, SO<sub>2</sub> and HCO emission results by Ronald van der A (KNMI)
- 13.10 Shiptrack emissions by Mikhail Sofiev on behalf of Jukka Pekka Jalkanen (FMI)

**Regional Emissions East Asia**

- 13.20 NO<sub>x</sub> and SO<sub>2</sub> emission results for India and East Asia by Bas Mijling (KNMI)
- 13.40 NO<sub>x</sub> emission algorithm improvements in DECSO by Jieying Ding (KNMI)
- 14.00 Inter-comparison of different NO<sub>x</sub> emission inventories over South Asia by Prakash Rao (IITM)
- 14.20 Short-term Air Quality Forecasting in Korea Utilizing Global Emission Products by SeogYeon Cho (Inha University)
- 14.40 Operational Forecasting with WRF/CHEM in YRD by Bas Mijling on behalf of Ying Xie (SCUEM)
- 14.50 Short presentation by Jenny Stavrakou on behalf of Jun-ichi Kurokawa (ACAP)

15.00 *Coffee break*

**Regional Emissions South Africa**

- 15.25 Anthropogenic emissions derived for South Africa by Ronald van der A (KNMI)
- 15.45 High resolution NO<sub>x</sub> emissions by Bino Maiheu (VITO)

16:00 End meeting day 1

20:00 Group dinner

## Day 2 – Emissions in the Middle East

- 8.00 VOC emissions in the Middle East from bottom-up inventories and as seen by OMI by Jean-François Müller (BIRA-IASB)
- 8.30 SO<sub>2</sub> emission estimates for the Middle East from space by Jieying Ding (KNMI)
- 8.50 NO<sub>x</sub> emission estimates for the Middle East from space( 2007-2014) by Bas Mijling (KNMI)
- 9.10 Downscaling satellite-based emission observations for Qatar using freely available data by Bino Maiheu (VITO).
- 9.30 Presentations by regional entities (20 minutes each?)
- (QEERI) Middle East EI needs for chemical transport modelling
  - Air quality group of Texas A&M
  - Ministry of Health
  - Ministry of Environment
  - Ministry of Municipality and Urban Planning
  - Representatives from oil and gas industry (TBC)
  - Ministry of Transport (TBC)
  - (Other) TBD

GlobEmission project outlook. Technological and product developments.

Discussions in groups between users and service providers to discuss improvements, changes of the services, or specific requirements.

Social event