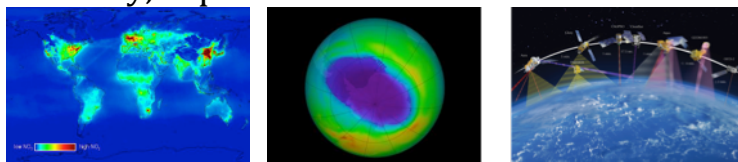


## Invitation to Seminar to celebrate ten years of OMI observations and to discuss future needs of atmospheric remote sensing

Finnish Meteorological Institute (FMI), Brainstorm-auditorium,  
 Erik Palmenin Aukio 1, Helsinki  
 Tuesday, September 2nd 2014 at 13:00 – 17:30



Satellite remote sensing of the atmospheric composition started in late 1970's with the main focus in ozone. Since then remote sensing techniques have developed strongly and it has become a standard methodology to obtain information on a wide range of trace gases and aerosols properties. Satellite remote sensing is the only way we can fulfill the growing needs of global measurements with sufficiently dense and regular sampling frequency.

On July 15<sup>th</sup> 2004 Dutch-Finnish Ozone Monitoring Instrument, OMI, was launched on-board NASA's EOS Aura satellite to orbit. Since then it has continuously observed the atmospheric composition and contributed significantly to climate, air quality and ozone research. OMI observations have had an important role in forming the EU's Copernicus (former GMES) atmospheric services.

**You are warmly invited to participate Seminar to celebrate the 10th anniversary of OMI and to discuss future needs of atmospheric remote sensing.** The aim of the seminar is to discuss and share information on recent research activities related to remote sensing of atmospheric composition, applications using remotely sensed data and future needs of science and applications.

### Preliminary agenda:

- 13:00 Opening ..... *Yrjö Viisanen (Finnish Meteorological Institute)*
- 13:05 Objectives of the day ..... *Johanna Tamminen (FMI)*
- 13:10 Ten years of OMI observations..... *Pepijn Veefkind (KNMI, the Netherlands)*
- 13:40 Role of OMI for Finnish technology ..... *Heikki Saari (VTT)*
- 14:00 Arctic satellite data center ..... *Jouni Pulliainen (FMI)*
- 14:20 Coffee** .....
- 14:40 OMI observations in Finland ..... *Johanna Tamminen (FMI)*
- 15:00 Surface-UV data in biological applications ..... *Pedro Aphalo (Univ. Helsinki)*
- 15:20 Satellite data in ship emission monitoring ..... *Tapani Stipa (FMI)*
- 15:40 Satellite data and air quality forecasts ..... *Mikhail Sofiev (FMI)*
- 16:00 Discussion about future possibilities and user needs .....
- 16:30 Cocktails to celebrate 10 years of OMI** .....

With best regards, the organizing team:

Johanna Tamminen, Seppo Hassinen and Iolanda Ialongo, Finnish Meteorological Institute