

Air Quality Working Group – (Monday, September 14, 2009; 14:30-17:30)

Conveners: Bryan Duncan (Bryan.N.Duncan@nasa.gov)
Ken Pickering (Kenneth.E.Pickering@nasa.gov)
Folkert Boersma (boersma@knmi.nl)

Agenda

2:30 pm *Introduction (Folkert Boersma)* – Review objectives, goals and Working Group agenda

2:35 pm Discussion #1: Current Applications (20 min)

Ken Pickering (10 min) – N. American and European Efforts

Discussion (10 min)

2:55 pm Discussion #2: Improved Algorithms for Product Generation (80 min)

Bryan Duncan (5 min) – Introduction

Randall Martin (15 min) Dalhousie effort to reduce OMI NO₂ uncertainties.

Eric Bucsela (15 min) Goddard effort to reduce OMI NO₂ uncertainties.

Folkert Boersma (15 min) KNMI effort to reduce OMI NO₂ uncertainties.

Discussion (30 min)

4:15 pm Discussion #3: Future GEO(?) Missions (60 min)

Mike Newchurch and Daniel Jacob (20 min)

How have Aura observations aided in planning for future GEO missions? What does the AQ community want from the future satellite measurements? Potential for improvement of total uncertainty associated with the OMI NO₂ product. Is the current level of uncertainty acceptable to the AQ planners? What spatial and temporal resolution is needed?

Pepijn Veeffkind (also on behalf of Heinrich Bovensmann) (10 min) Sentinel 4

Jhoon Kim (10 min) S. Korean GEO: Proposed Air Quality Applications

Open Discussion (20 min)

5:30 pm Adjourn