

NO₂ profiling workshop **18 - 19 November 2009**

Institut für Umweltphysik
Universität Bremen

Bremen, Germany

Objectives of this workshop

- To present the „state of the art“ in tropospheric profiling of NO₂ (and other trace gases)
- To identify advantages but also limitations of the different methods
- To collect ideas how to improve the methods and how to move on in the future e.g. harmonize MAXDOAS instruments and retrievals
 - M2.3.9 Report on harmonized trace gas profile retrieval algorithm [month33]
 - D2.3.3 Report describing methods for the integration of surface in situ, ground-based remote-sensing and satellite measurements [month 34]
 - D2.3.4 Satellite validation demonstration for selected scenarios and target species CO, NO₂ and HCHO [month 36]

Objectives of this workshop

- To prepare a first draft of the profile intercomparison paper
- To prepare the EGU session on „New developments in tropospheric profiling techniques” (Convener: Folkert Boersma)
- Anything else?
- No benchmarking during this workshop – open and critical discussion

Agenda Day 1

- 13:40 Group reports
 - 13:40 - 14:05 IASB
 - 14:05 - 14:30 KNMI MAX-DOAS
 - 14:30 - 14:55 WSU
 - 14:55 - 15:20 MPI Mainz
 - 15:20 - 15:50 *Coffee break*
 - 15:50 - 16:15 NIWA
 - 16:15 - 16:40 RIVM
 - 16:40 - 17:05 IUP Heidelberg
 - 17:05 - 17:30 KNMI sondes
 - 17:30 - 17:55 IUP Bremen
- 19:30 Meeting Dinner – Restaurant „Tendüre“, Bürgermeister-Smidt-Str. 82

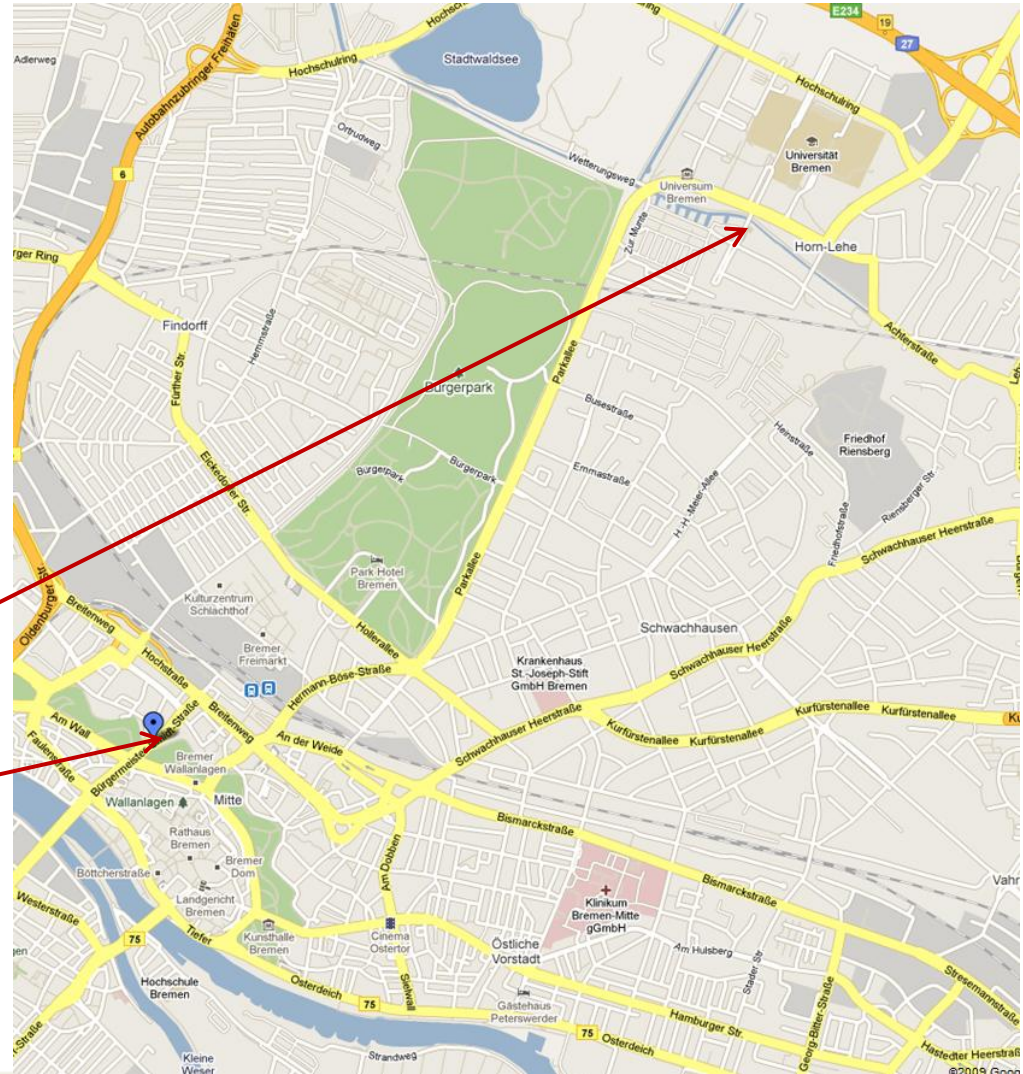
Meeting Dinner

19:30 Restaurant „Tendüre“,
Bürgermeister-Smidt-Str. 82

Tram Line 1: Stop „Am Wall“

Tram Lines 6 and 8: Stop
„Herdentor“

IUP
Tendüre



Agenda Day 2

- 09:00 - 09:30 Folkert Boersma: OMI NO₂ retrieval
- 09:30 - 10:00 Folkard Wittrock: Results from the NO₂ profile intercomparison during CINDI
- 10:00 - 10:30 Coffee break
- 10:30 - 13:00 Data discussion, modelling workshop
Online calculations, Agreement on common parameters, More comparisons
- 13:00 - 14:00 Lunch in University cafeteria (Mensa)
- 14:00 - 15:00 Planning for publication
- 15:00 Wrap-up
- 16:00 Closing