Sunday, 23rd August:
Arrival of the participants and icebreaker in the evening (drinks and chips at 6 p.m. in Café Unikum)

Monday, 24th August:
08:00-09:00: Registration, Welcome
09:00-10:15: Lecture on Global Change and Problem definition Part I

  *John Burrows:* Global Environmental Change and Climate Change: an introduction and motivation for remote sensing

10:15-10:30: Coffee break
10:30-11:45: Lecture on Global Change and Problem definition Part II

  *Min Shao:* Exploring the unknowns in air quality studies: VOC as a case

12:00-13:00: Lunch in Mensa
13:10: Meeting Point (Glass Hall at pendulum)
13:15-14:00: Lab tour I
14:15-15:30: Student’s presentations about their work Part I
15:30-15:45: Coffee break
15:45-17:00: Round table discussions (students should prepare the results of discussions as ppt and present them on the last day)
17:15: Meeting Point (Glass Hall at pendulum)
18:00-20:00: City Tour
Tuesday, 25th August:

09:00-10:15: *Andreas Richter:* Lecture on Remote Sensing Part I
10:15-10:30: Coffee break
10:30-11:45: *Pierre Coheur:* Lecture on Remote Sensing Part II
12:00-13:00: Lunch
13:30-14:30: Exercises on Remote Sensing

*Andreas Richter & Pierre Coheur*

14:30-15:00: Coffee break
15:00-16:00: Student’s presentations about their work Part II
16:10-18:00: ZARM Drop Tower Excursion Group I & II
16:10: Meeting Point (Glass Hall at pendulum) Group I
16:55: Meeting Point (Glass Hall at pendulum) Group II
18:30-20:00: Small Dinner, Studierhaus NW1
20:00-21:30: Evening Lectures

*Paul Monks:* Perspective on international collaboration and atmospheric science

*Tong Zhu:* Air pollution in China: scientific and public policy challenges

Wednesday, 26th August:

09:00-10:15: *Claire Granier:* Emissions on a global scale
10:15-10:30: Coffee break
10:30-11:45: *Qiang Zhang:* Emissions on a regional scale (Asia/China)
12:00-13:00: Lunch in Mensa
13:10: Meeting Point (Glass Hall at pendulum)
13:15: Group picture
13:30: Departure for Bremerhaven by bus
15:00-18:00: Excursion to Climate House in Bremerhaven
19:00: Conference Dinner in Bremen “Haus am Walde“
Thursday, 27th August:

09:00-10:30: **Guy Brasseur:** Atmospheric Modeling

10:30-11:00: Coffee break

11:00-11:45: **Michael Gauss:** Applications of atmospheric chemistry and climate models for science, policy and the general public

12:00-13:00: Lunch in Mensa

13:30-14:30: Exercises on Modelling (box model with emission & lifetime, matrix for evaluation)

*Guy Brasseur & Michael Gauss*

14:30-15:00: Coffee break

15:00-16:30: **Angela Benedetti:** Introduction to Data Assimilation

17:00-18:30: Poster Presentations

Evening Free

Friday, 28th August:

09:00-10:45: **Jenny Stavrakou:** Oxygenated VOCs constrained by satellite observations Part 1

10:45-11:30: **Bas Mijling:** Fastly reactive gases: inverting for NO\textsubscript{x} sources

10:30-10:45: Coffee break

10:45-11:45: **Jenny Stavrakou:** Oxygenated VOCs constrained by satellite observations Part 2

12:00-13:00: Lunch in Mensa

13:10: Meeting Point (Glass Hall at pendulum)

13:15-14:00: Lab Tour II

14:15-15:30: Practical Exercises (CO\textsubscript{2}, T, measurements to calculate the error bar, optimized system)

*Jenny Stavrakou & Angela Benedetti*

15:30-16:00: Coffee break
16:00-18:00: Final discussions with presentations of the round table discussions by the students

18:00: Finger Food, Studierhaus NW1

Saturday, 29th August:

Departure