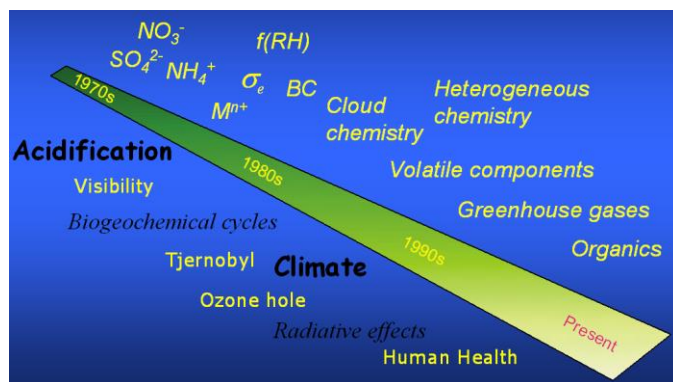


Ph.D. and Master Course on Atmospheric Chemistry in a Changing World, 7.5 credits

September 2014, course code MO7017

This course is about

- the atmosphere's chemical composition
- atmospheric chemical processes in the gas phase, in liquids and on particles
- atmospheric transformation of important gases as well as particle-bound natural and pollutant substances
- interaction between radiation (UV, visible and IR) and the atmosphere (gas and particles)
- dispersion on local, regional and global scales

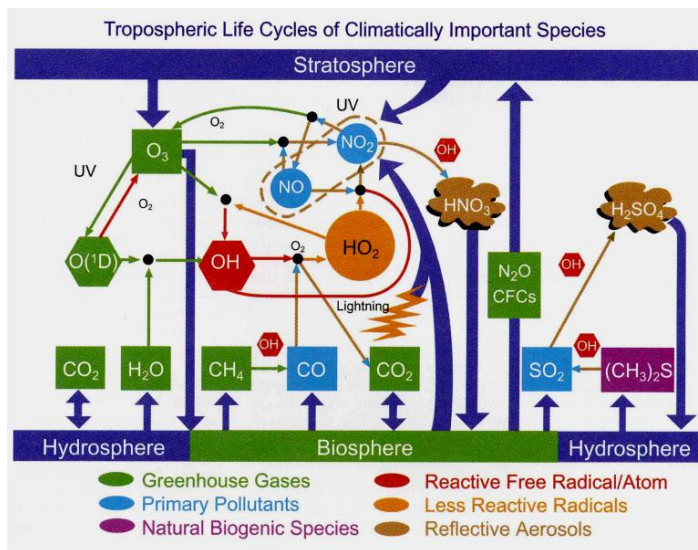


The class in atmospheric chemistry consists of lectures, exercises, labs, excursions, and a student project.

Main teachers: Caroline Leck and Ben Murphy

After taking this course you will be able to

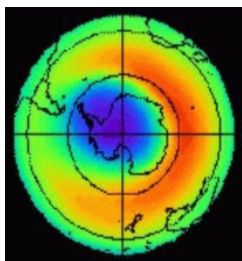
- explain sources and sinks of gases and particles of importance for our environment and climate
- explain the interplay of atmospheric gases and particles from a chemical and meteorological perspective
- apply basic chemical and physical laws to the transformation of gases and particles as well as their transport in the atmosphere
- apply tools like trajectory analysis, impactor techniques and analytical methods such as ion chromatography



Now open for applications

Prerequisites for admission: Knowledge equivalent to MO3004 Atmospheric radiation and chemistry (9 credits)

Please apply at www.universityadmissions.se (open for late application until 25 August). More information can be obtained from the responsible teacher Caroline Leck (lina@misu.su.se, 08-164354) or our study adviser Anna-Karin Bergström (studievagledare@misu.su.se, 08-162418)



<http://www.misu.su.se>