

Sommersemester 2010

Gebäude GEO I  
Hörsaal H6

## BayCEER Kolloquium

Vortragsreihe Ökologie und Umweltforschung

Donnerstag 22.04.2010, 16:15 Uhr, H6

Anschließend Postkolloquium mit Bier und Brezeln im Foyer H6

### Prof. Dr. Andreas Held

Universität Bayreuth, Juniorprofessur  
Atmosphärische Chemie

## There's something in the air - how do aerosol particles get into the atmosphere?

Aerosol particles have a big impact on the Earth's climate, human health, and the input of nutrients and pollutants into ecosystems. But how do these tiny particles get into the atmosphere? There are natural sources such as desert dust and sea spray, and there are anthropogenic sources such as soot particles from combustion processes. Some particles are emitted directly into the atmosphere while others are formed from precursor gases after chemical reaction. Many of these processes are not fully understood and cannot be quantified without large uncertainties. We will look at recent advances in our understanding of atmospheric aerosol sources and some large gaps that still exist.

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