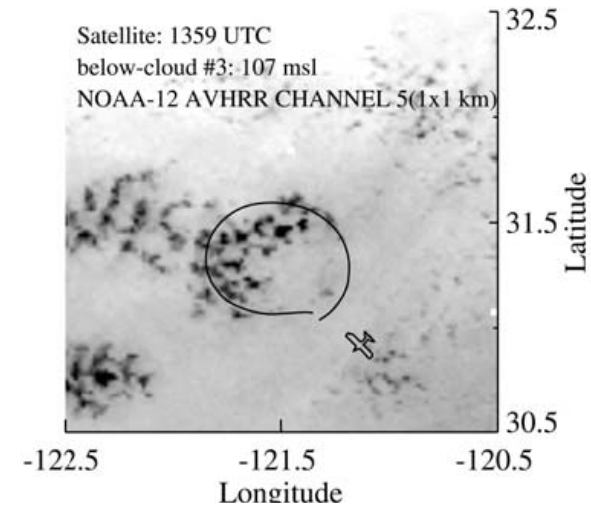


Markus Petters

Colorado State University, Research Scientist

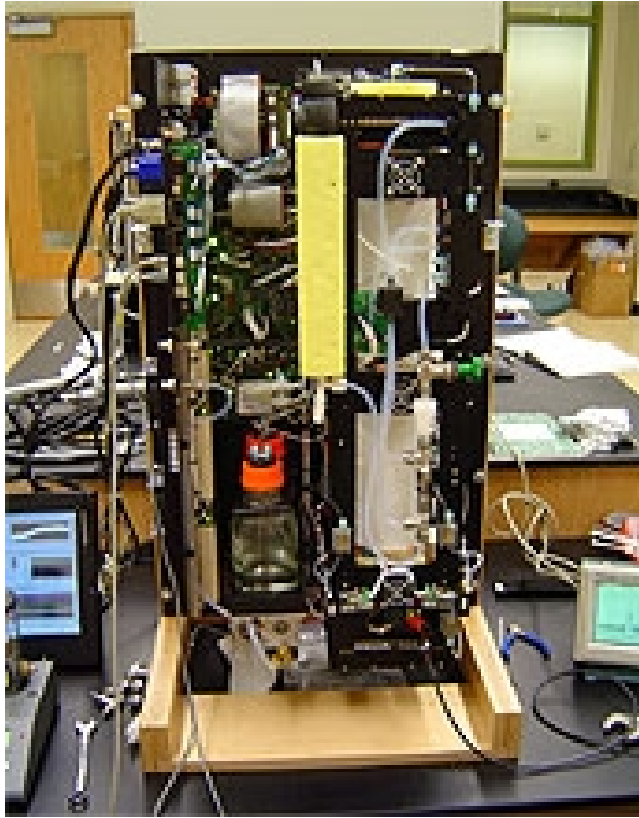
2004: Ph.D., Atmospheric Science, University of Wyoming (aerosol indirect effect on marine stratocumulus)

2000: M.S. Soil Science, University of Wyoming

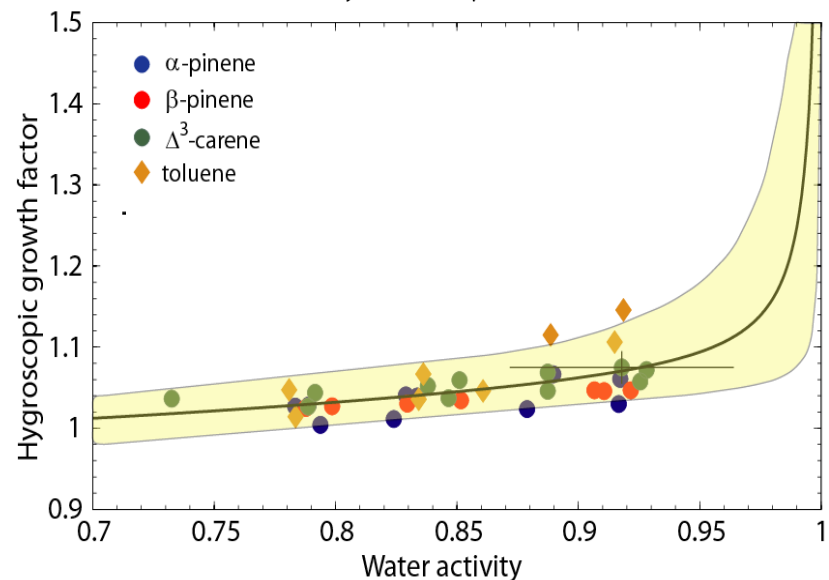
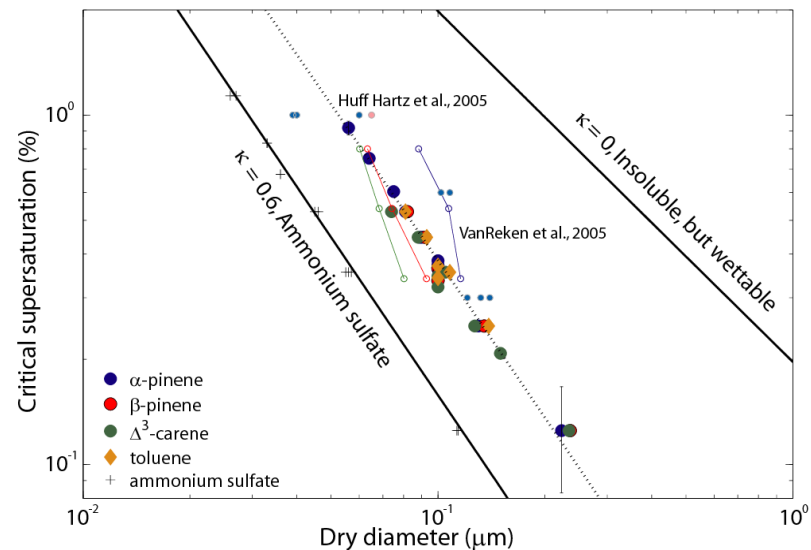
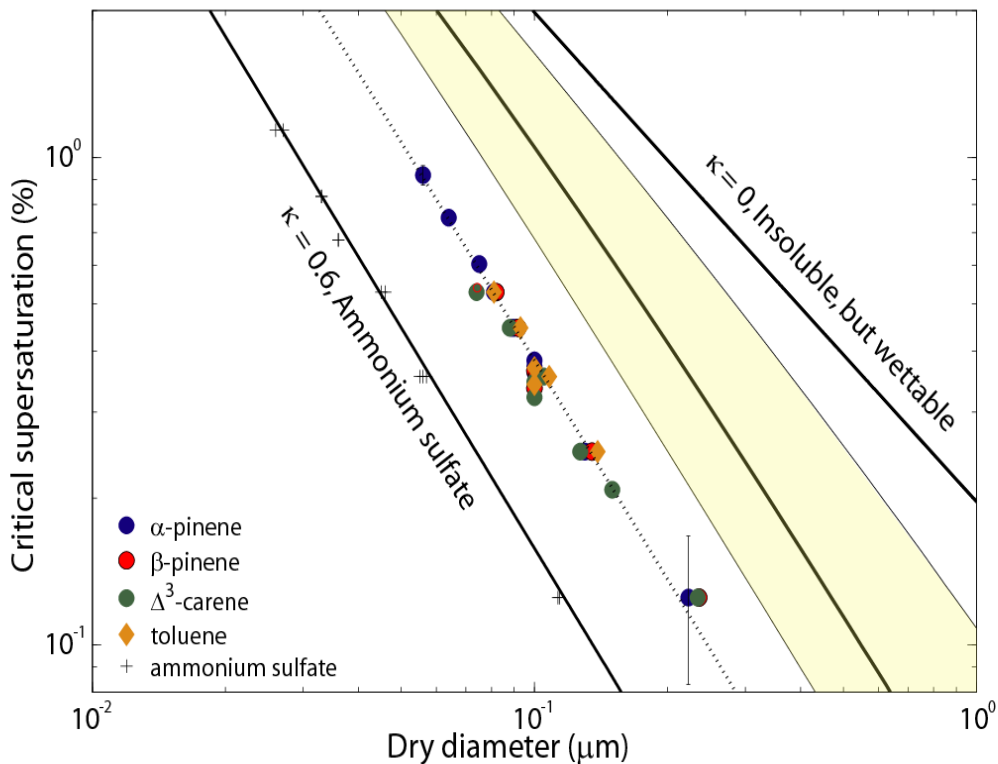


Research Interests: Thermodynamics of organic aerosols, aerosol-cloud interactions, warm and cold cloud formation, representation of microphysical processes in models, cloud microphysics

Water uptake measurements measurements



There is a general inconsistency between hygroscopic growth factors and CCN activity



Future Goals

- **Further measurements of CCN, hygroscopic growth using a recently developed continuous flow reactor**
 - More precursors, internal mixtures, thermodynamic properties over the entire range of RH.
- **BSOA ice forming potential in mixed-phase and cirrus clouds**
- **BSOA optical properties (refractive index)**
- **Work together with the modeling community to better represent BSOA-cloud interactions**