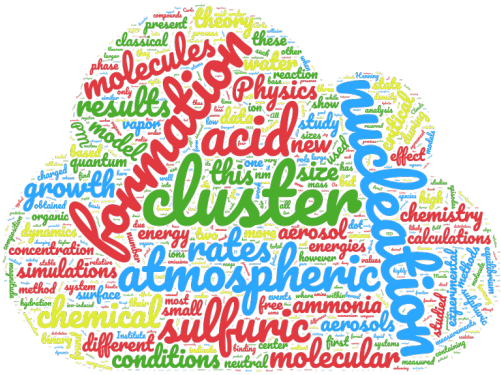
# SimuWiki Home

## Computational aerosol physics homepage

Our group uses computational and theoretical methods to understand cluster and particle formation for atmospherically relevant molecules. We use molecular dynamics, Monte Carlo simulations and cluster size distribution dynamics with molecular interactions taken either from quantum chemical models or thermodynamics. We are part of the VILMA (Virtual Laboratory for Molecular Level Atmospheric Transformations), Academy of Finland center of excellence.




in close collaboration with Theo Kurtén's Atmospheric Computational Chemistry group

Possible topics for BSc and MSc theses

Watch the rap music video about molecular clusters that won the Dance Your PhD 2021 competition and was created by PhD students of this group:

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