<table>
<thead>
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<th>Group Members</th>
<th>People working currently in the group</th>
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| ![Dr. Michael Boy](image1) | **Dr. Michael Boy**  
has finished his two-year fellowship position at NCAR in 2007 and afterwards he started with one PhD student as a supervisor in the Division of Atmospheric Science at the University of Helsinki. In the end of 2009 he established the Atmosphere Modelling Group and in the first two years he mostly used his time in training young promising bachelor and master students on different atmospheric models. This time-intensive supervision of up to 8 under-graduated students parallel succeeded in a very effective, ambiguous and well-trained group of talented young PhD students. ([http://orcid.org/0000-0002-8107-4524](http://orcid.org/0000-0002-8107-4524)) |
| ![Dr. Pontus Roldin](image2) | **Dr. Pontus Roldin**  
received his PhD in Physics, Lund University, Sweden with the title of thesis: "Process based Modelling of Chemical and Physical Aerosol Properties Relevant for Climate and Health" in 2013. He joined the group in March 2014 for two years and is mainly working on the aerosol dynamic modelling in different models. Since 2016 he is back at the University of Lund with a strong cooperation with the modelling group and frequent visits in Helsinki. |
| ![Dr. Zhou Putian](image3) | **Dr. Zhou Putian**  
received his PhD in April 2018 with the title: "Sources, sinks and transformation of BVOCs and aerosols in boreal forest boundary layer"  
Since autumn 2018 he has joined the Earth System Modelling Group and concentrates his work nowadays mostly on the aerosol dynamic in the ESM EC-EARTH. Partly he still works in the Atmosphere Modelling Group to supervise and support students working with SOSAA. |
Dr. Lukas Pichelstorfer

I am an computational and experimental aerosol physicist. At University of Vienna (Austria) I did an experimental Master Thesis in the field of heterogeneous nucleation. After that I moved to Salzburg (Austria) to do my PhD by modelling aerosol dynamics in the human lung. In the course of a Schrödinger Grant, I will spend two years at University of Helsinki working on the “Temperature dependent formation of HOM from BVOCs and AVOCs and its atmospheric relevance” within the AMG group lead by Michael Boy.

Dr. Metin Baykara

received his PhD in December 2018, from Istanbul Technical University, Turkey, with the title: "Understanding the Sources and the Extent of Atmospheric Particulate Matter Problem over Turkey Using Mesoscale Chemical Transport Model". He is experienced in Python programming and in the Weather Research and Forecasting (WRF) meteorology model and the Community Multiscale Air Quality (CMAQ) modeling system.

He has joined the group in March 2019 and is mainly working on SOSAA model development and its application to investigate the air pollutions phenomena at Istanbul, Turkey.

M. Sc. Dean Chen

started his PhD in the modelling group in November 2016 with the topic "Aerosols-formation, growth, transformation and a study on its anthropogenic versus biogenic precursor". He will apply different models to study the formation of secondary organic aerosols (SOA) at the SMEAR II in Hyytiälä and the SORPES station in Nanjing, China.
M. Sc. Carlton Xavier

graduated in May 2017 from the University of Turku with his Master of Science in Astronomy. Since autumn 2016 he performed an internship in the group parallel to the writing of his thesis and started a PhD in August 2017 on the topic "Atmospheric relevance of highly oxidised organic molecules (HOM) form anthropogenic precursors and the NO3-VOC-HOM contribution".

Petri Clusius

started his physics studies in 2016 and did his bachelor thesis about modelling atmospheric new particle formation in Hyytiälä due to ammonia and sulfuric acid. The focus in his master thesis will be modeling the effect of highly oxygenated organic molecules (HOMs) to new particle formation.

M. Sc. Ben Foreback

received his Master of Science in October 2018 with the title: "Development of the MEGAN3 BVOC Emission Model for use with the SILAM Chemical Transport Model"

In January 2019 he started his PhD in INAR.

**Former group members**
<table>
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<tr>
<th>Quentin Bérard</th>
<th>M.Sc. Ximeng Qi</th>
<th>Dr. Natalia Babkovskaia</th>
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<td>French student in applied mathematics at the Pierre and Marie Curie University, France. He joined the group for 5 months (May to September 2017) and performed his Master thesis with the LES model ASAM. The title of the thesis: &quot;Simulating energy exchange between air and canopy at a boreal forest with ASAM&quot;</td>
<td>is a PhD student in Nanjing University and joined the group in 2016 for one year as a joint PhD student under the support of China Scholarship Council. His subject is ‘aerosol size distribution and new particle formation at urban site: measurement and modelling’. He is working on the comparison of the composition of ultrafine particles between boreal forest site (SMEAR II) and urban site (SORPES) by using the MALTE-box model.</td>
<td>In 2011 I have started working in the Division of Atmospheric Science at the University of Helsinki as a postdoc. I am mostly focused on atmospheric cloud physics and use direct numerical simulations (DNS) to model the aerosol particles in the cloud area. The main goal of my activity at UHEL to study the interactions of turbulent air motion and aerosols. Dr. Babkovskaia left the group in autumn 2016.</td>
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<td>Name</td>
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<td>M.Sc. Anton Rusanen</td>
<td>finished his Master thesis in spring 2016 and started as a PhD-student under Prof. Kulmala.</td>
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<td>Dr Zhou Luxi</td>
<td>defended her PhD thesis in September 2015 with the topic &quot;Modelling aerosol formation and precursor gases in the boundary layer&quot;. In January 2016 she moved to US to start a 2-years postdoctoral project at EPA.</td>
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<td>M.Sc. Rosa Gierens</td>
<td>finished her Master thesis in December 2015 on the topic &quot;Understanding the evolution of the boundary layer over the Highveld, South Africa. She has started a PhD in summer 2016 at the University in Köln, Germany.</td>
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Dr Ditte Taipale (née Mogensen)
defended her Ph.D. thesis, titled "Insights into atmospheric oxidation", at
University of Helsinki in May 2015. Since then she has worked as a
postdoctoral researcher jointly at Department of Plant Physiology, Estonian
University of Life Sciences, Tartu, Estonia and at Department of Forest
Sciences, University of Helsinki, Helsinki, Finland.

She is mainly interested in research questions related to the interaction
between the biosphere and atmosphere. She focuses on the production and
emission of biogenic volatile organic compounds from different plants and
plant organs together with oxidation chemistry in the atmosphere. She has a
process-based approach with detailed atmospheric models of different
scales.

Dr. Sampo Smolander
is trained in Plant Ecology (M.Sc.) and Applied Mathematics (Ph.D.) and has
done a 1 year PostDoc at University College London (in vegetation remote
sensing). He works in vegetation modelling, boundary layer meteorology,
programming, numerical algorithms, and training students in programming
and scientific computing.

Dr. Smolander started a visiting scientist position at Princeton University,
NJ, USA in January 2015

Sampo's homepage

Dr Li Liao
finished his PhD in the group in December 2014 with the topic "Contribution
of biogenic volatile organic compounds to the formation and growth of
particles in the atmosphere - from molecule cluster to cloud condensation
nuclei".

Dr Sanna-Liisa Sihto-Nissilä
finished her PhD in the group in November 2013 with the topic “Studies on
the connections between atmospheric sulphuric acid, new particle formation
and cloud condensation nuclei”.
Dr Risto Makkonen

I finished my Ph.D. thesis, titled “From nanoclusters to climate forcers: global modeling of aerosol climate effects”, at University of Helsinki in May 2012. During 2012-2013 I spent one year as post-doctoral researcher at University of Oslo. Since July 2013, I have continued my research at University of Helsinki.

My interests include aerosol nucleation, aerosol-cloud-climate interactions and climate feedbacks. My main tools include global aerosol-climate models and Earth System Models. Previously, I have worked on climate effects of anthropogenic and natural aerosols, effect of nitric acid on cloud droplet formation, secondary organic aerosol formation and role of new particle formation on climate. I work with integration of observations to simulation data, in order to evaluate and constrain the aerosol models.

M.Sc. Physics Chatriya Watcharapaskorn

finished her Master of Science in the group in December 2011 with the topic "15-years observation of Atmospheric new particle formation in Hyytiälä and particle formation modelling by MALTE-BOX". She is currently a Central Entity Allocation Analyst at Ford Motor Company (Thailand) Co., Ltd.

M.Sc. Physics Qingyang He

finished her Master of Science in the group in November 2011 with the topic "Modelling monoterpene emissions from boreal forest in the Southern Finland". She is currently a PhD-student in University of Zurich, Switzerland. Her research interests focus on Remote Sensing of Vegetation and Vegetation-Atmosphere Interactions. She originates from China and worked in IEE-Chinese Academy of Sciences for one year after Master’s degree.
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<tr>
<th><strong>Dr Johanna Lauros</strong></th>
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<td>finished her PhD in the group in February 2011 with the topic &quot;Atmospheric particle formation in spatially and temporally varying conditions&quot;. She is currently working for the Finnish government.</td>
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<th><strong>Dr Henri Vuollokoski</strong></th>
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<tr>
<td>I am currently a post-doctoral researcher at the University of Helsinki. I received my PhD (&quot;Numerical approaches to new particle formation and growth in the atmosphere&quot;) from the University of Helsinki in January 2011. My main research interests and expertise are model and method development in atmospheric sciences, but I also do modeling from process level to global scales as well as data analysis. Additionally, I have a large supportive role in IT and database management.</td>
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