

IMPACT Overview: KNMI, (Reinout Boers & Gerd-Jan van Zadelhoff + all who want to contribute)

Aerosol nucleation (Birgit Wehner: birgit@tropos.de)

- Birgit Wehner + Arnoud Apituley (Arnoud.Apituley@rivm.nl) : nucleation at elevated height
- Bas Henzing (bas.henzing@tno.nl) + Uhel : nucleation at surface

CCN CDNC Closure (G. Roberts: gcroberts@ucsd.edu)

Aerosol Chemical composition

- Rupert Holzinger (r.holzinger@phys.uu.nl) : compare CCN and aerosol number densities with PTR aerosol measurements Inputs from G. Roberts [CNRM]
- Astrid Kiendler Scharr (a.kiendler-scharr@fz-juelich.de) : link aerosol composition to CCN properties. Inputs on aerosol microphysics and CCN properties including hygroscopic.
- Greg Roberts: CCN closure and coupling to clouds. Inputs on aerosol chemical and microphysics properties.
- Sylwester Arabas (slayoo@igffuw.edu.pl): CCN to droplet conc. Inputs on CCN properties and vertical velocity statistics from ground remote sensing (Herman Russchenberg [TU-Delft], Henk Klein Baltink [KNMI] and Matthieu Boquet/ J.P Cariou [Leosphere]), tower and aircraft.
- Gerrit de Leeuw (gerrit.leeuw@fmi.fi) : From HTDMA at Cabauw provide aerosol hygroscopic properties, inputs from TNO aerosol microphysics and chemical composition
- Herman Russchenberg (H.W.J.Russchenberg@irctr.tudelft.nl): Aerosol, CCN and retrieval of CDNC from lidar/radar
- Alfons Schwarzenboeck (a.schwarzenboeck@opgc.univ-bpclermont.fr): Aerosol chemical and microphysical properties on board ATR-42

Radiation closure (Gerrit de Leeuw: gerrit.leeuw@fmi.fi)

- René Preusker (rene.preusker@wew.fu-berlin.de) + Damien Josset: column closure on clouds.
- Wouter Knap (knap@knmi.nl) + FUB PhD + Gerrit de Leeuw + Damien Josset + Arnoud Apituley: clear sky column closure on aerosol
- Frank Heinrich (henrichf@students.uni-mainz.de) + IFT: 3D heterogeneous bias
- Hünerbein : retrieval of LWP diurnal evolution from SEVIRI

LES (Thijs Heus: heus@knmi.nl)

- Thijs Heus (heus@knmi.nl): Synergy between LES and observations
- Stefan Horn (horn@tropos.de): validate the ASAM LES
- Hanna Pawlowska (hanna.pawlowska@igffuw.edu.pl): Impact of entrainment-mixing on cloud radiative properties
- Irina Sandu (irina.sandu@cnrm.meteo.fr): detect signatures of the aerosol impact on cloud diurnal cycle
- Roel Neggers (neggers@knmi.nl) + Holger Siebert (siebert@tropos.de) baby cloud) + Irina Sandu: Scores of single column regional model