

NAME, First Name: POHL, Christine

Affiliation: Institute of Environmental Studies, University of Bremen

Role in the project:

- Early-Career Researcher
- Expertise in stratospheric aerosol retrievals from limb-scatter satellite observations, in particular from SCIAMACHY and OMPS-LP, validation of aerosol data products using in-situ measurements and climate model simulations. Contribution to Tasks 1 and 2.

Current position: Post-doc (2020) in the DFG Research Unit VollImpact (FOR 2820)

Former Position(s):

09/2016- 06/2020 Ph.D. candidate in the DFG project, TR 172 (AC)³

- Identifying, quantifying, and reducing uncertainties in the surface albedo obtained from ground-based, airborne, and satellite observations

Education:

10/2021 Ph.D. in Environmental Physics, University of Bremen

04/2016 Master of Science, Institute of Meteorology and Climatology,
University of Hannover

10/2012 Bachelor of Science, Institute of Meteorology and Climatology,
University of Hannover

Selected Publications:

Pohl, C. et al., 'Stratospheric aerosol characteristics from SCIAMACHY limb observations: 2-parameter retrieval', *Atmos. Meas. Tech. Discuss.* (2023)

Sofieva et al., 'Multi-wavelength dataset of aerosol extinction profiles retrieved from GOMOS stellar occultation measurements', *Atmos. Meas. Tech. Discuss.* (2023)

Pohl, C. et al., 'Implementation of an ice crystal single-scattering property database in the radiative transfer model SCIATRAN', *Journal of Quantitative Spectroscopy and Radiative Transfer* 253, 107118 (2020)

Pohl, C. et al., 'Impact of the near-field effects on radiative transfer simulations of the bidirectional reflectance factor and albedo of a densely packed snow layer', *Journal of Quantitative Spectroscopy and Radiative Transfer* 241, 106704 (2020)

Pohl, C. et al., 'Broadband albedo of Arctic sea ice from MERIS optical data', *The Cryosphere* 14.1, 165-182 (2020)