

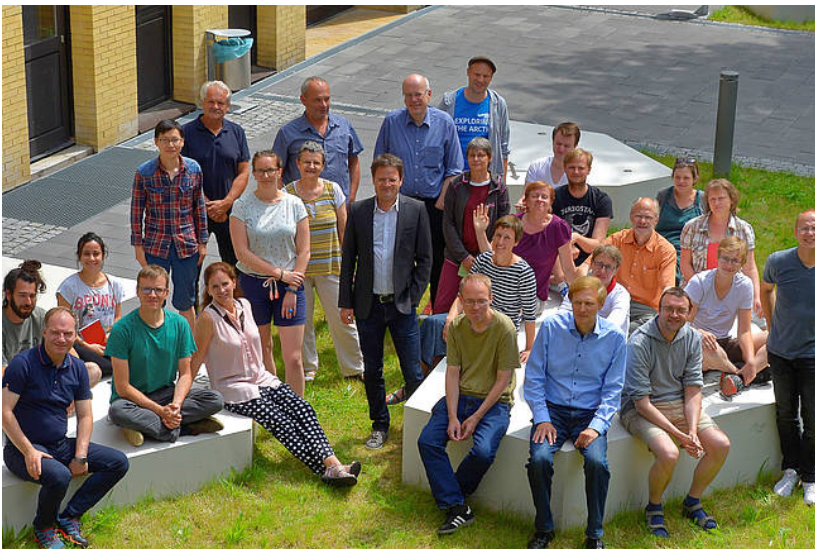
Profile

The overarching goal of the Atmospheric Physics research section is to improve the understanding of polar atmospheric processes in the global context. We combine long term observations from ground stations and innovative measurements from airborne platforms and research vessels with the development of process scale models that feed into improving the representation of polar processes in regional to global scale climate models. We run the Arctic research station [AWIPEV](#) > on Svalbard and carry out key measurements at the Antarctic research station [Neumayer](#) > . Pan polar airborne and research balloon sounding campaigns are complemented by measurements in other regions of the world, with the current temporary operation of a research station in the West Pacific on Palau.

The section Atmospheric Physics combines three research directions, which are closely related:

- [modelling of polar climate systems](#) >
- [thermodynamics, aerosol, clouds in the Arctic atmosphere](#) >
- [atmospheric chemistry and ozone](#) >

more 



Section "Atmospheric Physics" (Photo: Lutz Schönicke / AWI)

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