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SUMMARY ON RESEARCH ACTIVITIES OF THE GRENE ATMOSPHERIC GROUP

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The GRENE Atmosphere Group is one of seven research groups in the Japanese GRENE Arctic Climate Research Project, with a specific focus on atmospheric processes except those explicitly related to the carbon cycle. The main research themes within the Atmospheric Group are the Arctic-midlatitude linkages, middle-lower atmosphere coupling, black carbon, radiation and clouds. The presentation provides summary on current research activities of the Atmospheric Group. In particular, we show results from numerical simulations aiming at the understanding of the Arctic-midlatitude linkages and middle-lower atmosphere coupling. We also present an overview of the current activities in the black carbon-aerosol-cloud research in Ny-Alesund.