Research on the wind dynamics in the polar lower thermosphere and mesosphere based on EISCAT/MF/meteor radar observations and simulation predictions

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Related International Research Project
The EISCAT international project

Description of the Program
In order to understand the wind dynamics in the polar mesosphere/lower thermosphere (70-120 km) much more deeply, we have been studying it based on radar observational data as well as simulation predictions. In particular, it is an vital importance to specify the role of the neutral atmosphere though the coupling process between magnetsphere-ionosphere-thermosphere occurring in the polar upper atmosphere. During the IPY4 period, observations of EISCAT radars, MF radars and other at Tromsø (69.6°N, 19.2°E) and Longyearbyen (78.1°N, 16.0°E) will be conducted to proceed this project.