

POLAR 2018 Open Science Conference

June 15 - 26, 2018
Davos, Switzerland

Scientific Programme

Wednesday, 20 June 2018

Session Block
11:00 - 12:30

A Studio

AC-4a The Polar Atmosphere and Geospace

Chair: Correia, Emilia, Brazil

This session is addressed to the scientific communities who investigate the Antarctic and Arctic atmosphere and geospace by means of ground- based/space-borne observations including radio probes, theories and modeling. Participation is foreseen of scientists studying the neutral and/or the ionized part of the atmosphere, from the lower to further upper regions such as the magnetosphere. In the Arctic region, it becomes known that human lives and social structures are sensitively affected by the change of geospace disturbed by solar activities. Recent studies have indicated that the geospace in the Arctic and the Antarctic regions are not only linked by magnetic field lines but also by atmospheric dynamical processes including circulation and waves, which further affect the global atmosphere. Contributions from researchers and managers of Arctic-Antarctic operations that need to remove, or mitigate, the atmospheric contribution from their measurements (including search and rescue operators) are also encouraged. Possible topics include, but are not limited to, the study of Space, the Sun-Earth relations, and the impact of Space Weather on critical operations. Contributions from international collaborative researches/facilities are highly encouraged. The research based on the observations of the Earth from the space that exploits the radio spectrums (such as SAR imaging, satellite altimetry, weather satellites, etc.) are also welcome.

509	Perturbations on the Stratosphere Due to Intense Geomagnetic Storms: Study Cases Presenter: Gulisano, Adriana Maria, Argentina	11:00 - 11:15
2228	Temperature Variations of Polar Ionosphere during Stratospheric Sudden Warming Presenter: Ogawa, Yasunobu, Japan	11:15 - 11:30
1676	Ionospheric Scintillation Climatology at Ny-Ålesund across Solar Cycle 23 and 24 Presenter: Alfonsi, Lucilla, Italy	11:30 - 11:45
1873	Chemical Impacts of Energetic Particle Precipitation in the Middle Atmosphere Presenter: Orsolini, Yvan, Norway	11:45 - 12:00
578	Simultaneous Observations for Neutral Winds and Ion Drifts at JBS, Antarctica Presenter: Jee, Geonhwa, Korea, Republic of	12:00 - 12:15
1650	Unusual Amplitude Scintillation on GNSS Signals Recorded in Antarctica Presenter: D'Angelo, Giulia, Italy	12:15 - 12:30