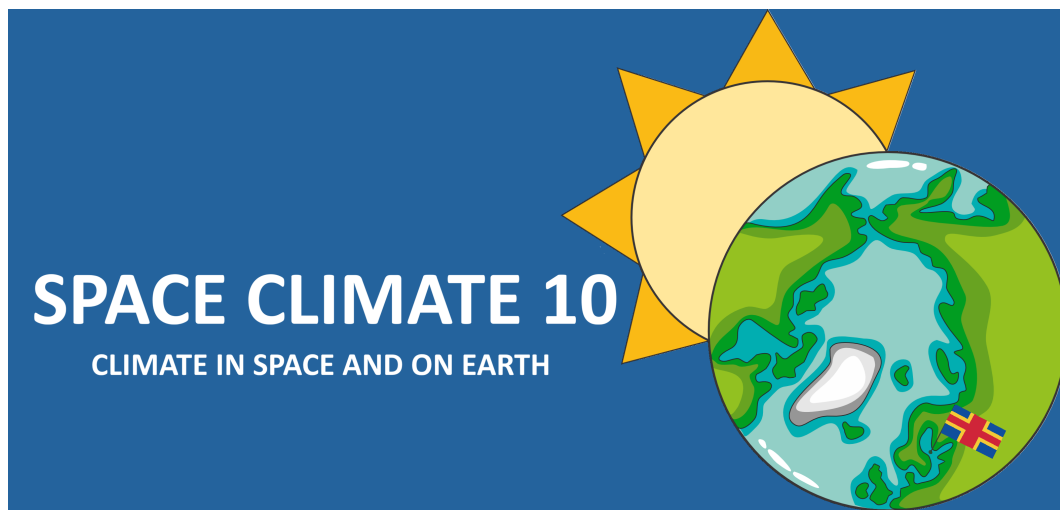


Session Program

8-12 Jun 2026



Space Climate 10

***3.2 Climate and atmospheric effects (chair
Hilde Nesse and Roelf Du Toit Strauss)***

Friday 12 June

11:40

3.2 Climate and atmospheric effects (chair Hilde Nesse and Roelf Du Toit Strauss)

Session | Location: Åland Maritime Museum, HAMNGATAN 2 | Convener: Tatiana Egorova

11:40-12:00

Energetic particle precipitation impacts on the atmosphere and climate in idealised time-slice simulations

Speaker

Dr Timofei Sukhodolov

12:00-12:12

Energetic particle influence on polar vortex revealed by 300-year long climate model simulations

Speaker

Prof. Timo Asikainen

12:12-12:24

11-year solar cycle shapes the north-south contrast of summer precipitation in China

Speaker

Prof. Liang Zhao

12:24-12:36

Atmospheric and Climate Impacts of an Extreme Solar Particle Event Under the Reconstructed Laschamps Geomagnetic Field

Speaker

Dr Pavle Arsenović

12:36-12:48

Volcanic modulation of Beryllium-10 atmospheric transport

Speaker

Mr Andrin Jörimann

12:48

13:48

3.2 Climate and atmospheric effects (chair Hilde Nesse and Roelf Du Toit Strauss)

Session | Location: Åland Maritime Museum, HAMNGATAN 2 | Convener: Tatiana Egorova

13:48-14:00

Galactic cosmic rays, clouds, and atmospheric dynamics: a reinterpretation of the connection

Speaker

Prof. Brian Tinsley

14:00-14:12

Importance of Interactive Chlorine Chemistry for Modeling Cosmogenic ^{36}Cl

Speaker

Dr Kseniia Golubenko

14:13-14:25

Energetic electron precipitation weakens the southern polar vortex via chlorine deactivation

Speaker

Dr Antti Salminen

14:25-14:37

Atmospheric dynamical responses to geomagnetic storms: from case studies to statistical analyses

Speaker

Dr Jia Jia

14:38-14:50

Polar mesospheric NOx transport in 21st century WACCM-D simulations

Speaker

Dr Niilo Kalakoski

14:51-15:03

Association of solar activity with atmospheric circulation: Long-term analysis based on Hess-Brezowsky catalogue of circulation types

Speaker

Prof. Radan Huth

15:03