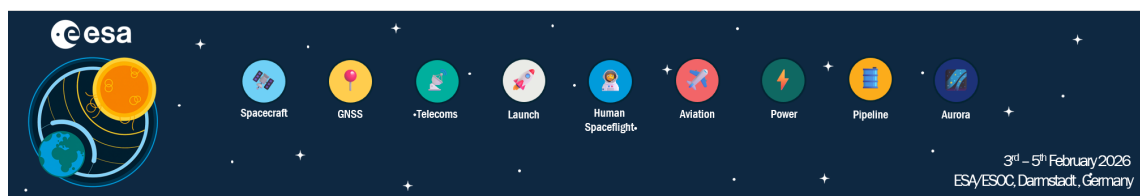


Session Program

3-5 Feb 2026



ESA Space Weather Service Network Workshop 2026

Improving Geomagnetic Conditions Forecasts: Sun to Earth Perspective

ESOC
Robert-Bosch-Strasse 5, 64293 Darmstadt, Germany

Tuesday 3 February

16:00

Improving Geomagnetic Conditions Forecasts: Sun to Earth Perspective

Session | **Location:** ESOC, VIGIL room (HIV-HV-HVI)

16:00–16:10 **Solar wind driven geomagnetic forecast: IRF G-ESC products**

Speakers

WINTOFT, Peter, WIK, Magnus, DANIELSSON, Per, SNOW, Lars-Henrik

16:10–16:20

A Novel Local Prediction-Based Approach for Forecasting Global Geomagnetic Kp and Hpo Indices

Speaker

KERVALISHVILI, Guram

16:20–16:30

The dynamically driven solar wind and CMEs in the Icarus heliospheric modelling tool

Speakers

BARATASHVILI, Tinatin, POEDTS, Stefaan

16:30–16:40

UAH Forecasting products in ESA SWE Portal

Speakers

CID, Consuelo, MUÑOZ, Pablo, COLLADO-VILLAVERDE, Armando

16:40–16:50

The Bergen-Imperial Global Geospace (BIGG) modelling system

Speakers

KWAGALA, Norah Kaggwa, LAMOURY, Adrian, HEYNS, M.J., EASTWOOD, J.P., ENGEVIK, J.M.

16:50–17:00

Joint probabilistic forecasting of solar wind parameters via a Bayesian LSTM

Speaker

COBOS, Mario

17:00–17:10

A two-dimensional solar wind persistence model

Speakers

MILOSIC, Daniel, TEMMER, Manuela, HEINEMANN, Stephan, HOFMEISTER, Stefan, OWENS, Matthew

17:10–17:30

Wrap-up and discussion

17:30