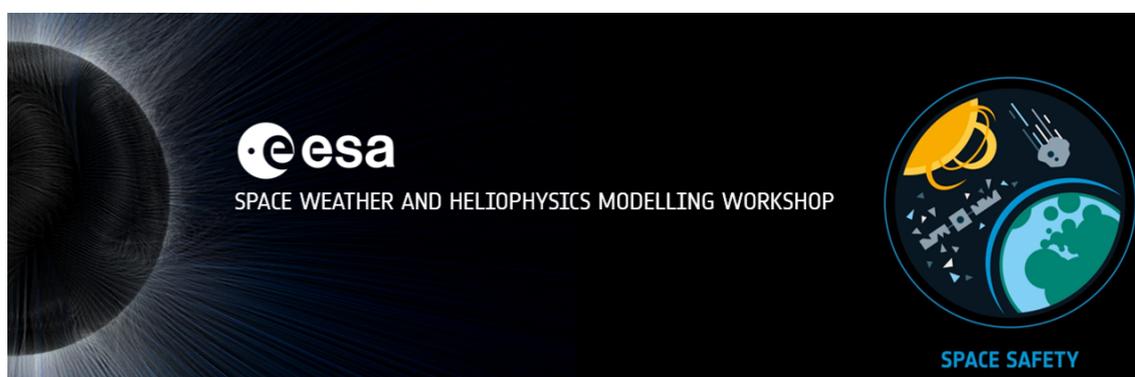**Session Program**

7–9 Apr 2026

Space Weather and Heliophysics Modelling Workshop

Analysis of Solar Activity

ESOC Press Centre
Robert-Bosch-Str. 5 64293 Darmstadt Germany

Tuesday 7 April

14:15

Analysis of Solar Activity
Session | **Location:** ESOC Press Centre, Robert-Bosch-Str. 5 64293 Darmstadt Germany

14:15–14:30

Opportunities for utilization of Vigil-like data and deep learning approach

Speaker
Simon Mackovjak

14:30–14:45

Prevision of phenomena through coronal hole outline recognition with neural network

Speaker
Kalpa Harindra Perera Henadhira Arachchige

14:45–15:00

Operational Active Region Detection, Classification, and Flare Forecasting Using Deep Learning

Speaker
Edoardo Legnaro

15:00–15:15

Natural Time Analysis as a Novel Modelling Framework for Solar Flare Forecasting

Speaker
Daniele Telloni

15:15–15:30 **S2WARM (St Andrews Space Weather Active Region Monitor)**

Speaker
Paolo Pagano

15:30–15:45 **The Virtual Space Weather Modelling Centre**

Speaker
Stefaan Poedts

15:45