Hall	Session Title	Session Type
08:30 - 09:00		
	LOC ONLY	
09:00 - 10:15		
Registration Area	**REGISTRATION**	
10:15 - 11:15		
Auditorium	**Opening Keynote (Followed by Live Forecast by Istituto Nazionale di Geofisica e Vulcanologia)**	**Forecast**
11:15 - 12:45		
Auditorium	**Plenary 1 - Insights from an Operational Perspective: Challenges and Lessons Learned from Severe Events in Solar Cycle 25**	**PL1**
11:15 - 11:20	**Introduction of topic and panel agenda**	
11:20 - 11:35	**Severe Events during SC 25 So Far: An overview of detections, modelling and dissemination** Jennifer O'Hara (1) *(1) Solar-Terrestrial Centre of Excellence - SIDC, Royal Observatory of Belgium, Ukkel (BELGIUM)*	
11:35 - 11:50	**Response to Severe Events during SC 25: End-User Perspective** Patrick Perron (1), Robyn Fiori (1) *(1) Natural Resources Canada, Ottawa (CANADA)*	
11:50 - 11:55	**Introduction of panelists**	
11:55 - 12:40	**Moderated Panel Discussion**	
12:40 - 12:45	**Summary and Closing Remarks**	
12:45 - 14:00		
	Lunch	
14:00 - 15:15		
Auditorium	**Operational and Prototype Data Products Derived from Low-Earth Orbit, Near-Earth, and Upstream Observations**	**IOM3**

14:00 - 14:15

From Upstream Drivers to Downstream Impacts: Operational Data Product Integration during the May 2024 Storm in Europe

Alfredo Micera (1), de Patoul Judith (1), O'Hara Jennifer (1), Andries Jesse (1), Dom Elisabeth (1), Millas Dimitrios (1), Maneva Yana (1), Shukhobods Daria (1)

(1) Royal Observatory of Belgium, Bruxelles (BELGIUM)

14:15 - 14:30

Turbulent dynamics of the upper ionosphere observed by Swarm magnetic field records and its implications for space weather

Peter Kovacs (1), Ákos Madár (1), Balázs Heilig (2)

(1) HUN-REN Wigner Research Centre for Physics, Budapest (HUNGARY), (2) HUN-REN Institute of Earth Physics and Space Science, Sopron

14:30 - 14:45

Available and upcoming data sets of ESA's Distributed Space Weather Sensor System

Heil Melanie (1), Kraft Stefan (1), Scoubeau Mehdi (1)

(1) European Space Agency, Darmstadt (GERMANY)

14:45 - 15:00

Global neutral density estimates using the CTIPe model and data assimilation

Catalin Negrea (1), Mihail Codrescu (1.2), Stefan Codrescu (2), Daniel Dumitru (1), Marius Mihai Echim (1,3)

(1) Institute of Space Science, Bucharest (ROMANIA), (2) Vector Space LLC, Boulder (USA), (3) Belgian Institute for Space Aeronomy, Bruxelles (BELGIUM)

15:00 - 15:15

ESA's SMOS Mission for Space Weather

Roberta Forte (1), Federica Guarnaccia (1), Lorenzo Trenchi (1), Consuelo Cid (2), Manuel Flores-Soriano (2), Veronica Gonzalez Gambau (3), Arnau Ruiz (3), Nuria Duffo (4), Roger Oliva Balague (5), Raffaele Crapolicchio (1)

(1) Serco for ESA, Frascati (ITALY), (2) Universidad de Alcalá, Alcalá (SPAIN), (3) Barcelona Expert Centre - Institute of Marine Science, Barcelona (SPAIN), (4) Universitat Politècnica de Catalunya, Barcelona (SPAIN), (5) Zenithal Blue Technologies, Barcelona (SPAIN)

Verde Room

Cosmic Rays in the Heliosphere

HEL2

14:00 - 14:30

Characterizing the time-dependent longitudinal distribution of solar energetic particles using multi-spacecraft observations

Nina Dresing (1), Jaclyn Tayla Lang (1), Jan Gieseler (1), Rami Vainio (1), Roelf Du Toit Strauss (2), Grant Mitchell (3), Allan Labrador (4), Bernd Heber (5), Stefan Jensen (5), Patrick Kühl (5), Francisco Espino Lara (6)

(1) University of Turku, Turku (FINLAND), (2) Centre for Space Research, North-West University, Potchefstroom (SOUTH AFRICA), (3) Heliophysics Science Division, NASA Goddard Space Flight Centre, Greenbelt (USA), (4) California Institute of Technology, Pasadena (USA), (5) University of Kiel, Kiel (GERMANY), (6) Space Research Group, Universidad de Alcalá, Alcala (SPAIN)

14:30 - 14:45

Examining the Q/M dependence of SEP heavy ion abundances with IMAP

Gabriel Muro (1), Christina Cohen (1), Richard Leske (1), Zigong Xu (1), Eric Christian (2), J. Grant Mitchell (2), Maher Dayeh (3), Mihir Desai (3), Samuel Hart (3), Keiichi Ogasawara (3), Michael Starkey (3), Matina Gkioulidou (4), Drew Turner (4), David McComas (5)

(1) California Institute of Technology, Pasadena (USA), (2) NASA Goddard Space Flight Center, Greenbelt (USA), (3) Southwest Research Institute, San Antonio (USA), (4) Johns Hopkins Applied Physics Laboratory, Laurel (USA), (5) Princeton University, Princeton (USA)

14:45 - 15:00

Predicting Solar Energetic Particles: Solar Storm Watch - Preparing for Space Odyssey

Anastasiadis Anastasios (1), Athanasios Papaioannou (1), Roelf Du Toit Strauss (2), David Lario (3), Rami Vainio (4), Nicolas Wijsen (5), Alexander Afanasiev (4), Athanasios Kouloumvakos (6)

(1) IAASARS, National Observatory of Athens, Penteli (GREECE), (2) Center for Space Research, North-West University,, Potchefstroom (SOUTH AFRICA), (3) Goddard Space Flight Center, Heliophysics Science Division, NASA, Greenbelt (USA), (4) Department of Physics and Astronomy, University of Turku, Turku (FINLAND), (5) Centre for mathematical Plasma-Astrophysics, KU Leuven, Leuven (BELGIUM), (6) The Johns Hopkins University Applied Physics Laboratory, Laurel (USA)

15:00 - 15:15

Spectral analysis of the delayed response of Cosmic Rays to variations in solar activity

David Pelosi (1), Miguel Orcinha (2), Nicola Tomassetti (1,2), Bruna Bertucci (1,2), Emanuele Fiandrini (1,2), Fernando Barão (3)

(1) Dipartimento di Fisica e Geologia, Università degli Studi di Perugia, Perugia (ITALY), (2) INFN - Sezione di Perugia, Perugia (ITALY), (3) Laboratório de Instrumentação e Física Experimental de Partículas, Lisbon (PORTUGAL)

Onice Room

Operational Space Weather Forecasting: Systems, Workflows, and Coordination Across Forecast Centres

OTH2