

Parallel sessions convener call

The European Space Weather Week (ESWW) conference is an excellent opportunity for people worldwide to gather and discuss the most recent insights into the fields of space weather and space climate and to address the emerging challenges and impacts. Science, data exploitation, instrumentation, observations, service development, operational models, engineering and industrial needs are all important aspects of space weather that are addressed. In line with this, the overarching theme for ESWW2025 in Umea is “*Technological expansion of the Arctic: the new frontiers of space weather*”. ESWW will be a hybrid conference.

One of the strengths of ESWW is that participants can contribute significantly to its content through parallel sessions, plenary sessions and Topical Discussion Meetings (the call for TDMs will open later; stay tuned!).

Those interested in convening a session at ESWW2025 may submit a proposal in one of the following four formats:

1. Parallel Space Weather Research (SWR) session
2. Parallel 100% Community-Driven (100CD) session
3. Open Parallel Session (OPS)
4. Parallel Application Pipeline (APL) session

The PC strongly encourages those who have not previously proposed a session to do so. In line with our commitment to diversity and inclusion, we welcome and encourage applications from conveners of all backgrounds, including but not limited to, different career stages, geographical locations, ability, genders, and ethnicities.

Proposing a Space Weather Research (SWR) Parallel Session

When submitting a proposal to the Space Weather Research session, please select one of the following six topics:

- SWR1 – Solar atmosphere processes as drivers of space weather phenomena
- SWR2 – Coronal Mass Ejections, Shock Waves and Energetic Particles
- SWR3 – Inner Magnetospheric Dynamics and Coupling Processes
- SWR4 – Interactions in the Earth’s Magnetosphere-Ionosphere-Thermosphere System and their Space Weather Impact
- SWR5 – Advancements in Geomagnetically Induced Currents (GICs): Simulation, Monitoring, and Mitigation Strategies
- SWR6 - Space Climate

Submitting a 100% Community-Driven Parallel Session (100CD)

Proposers have the freedom to choose the title and the research topic in the submission of their 100CD parallel session abstract. In the session description, the motivation for proposing the research topic and the reason the topic is relevant for this year should be provided in one or two sentences. We highly encourage the CD conveners to propose a session on the strong space weather events.

Open parallel session (OPS)

This year we will have an open parallel session, which will welcome submissions on research topics related to Space Weather and Space Climate but not covered by any other focused sessions. You can therefore only propose a team of conveners to lead this session. A single OPS session is intended for which one can only propose a team of conveners to lead the session. The team should be formed keeping diversity in mind. One of the PC members will join the team to offer support for this session.

Proposing an Application Pipeline (APL) Parallel Session

Session topics covering research, development and implementation of different application pipelines are welcomed as submissions for APL parallel session abstracts.

Examples of possible (components of) pipelines include:

- Data preparation to be used in the product pipeline
- Forecasting tools: presentation and demonstration
- 3D visualization tools for space weather from Sun to Earth
- All sorts of propagation tools
- Tools for the solar wind/flux rope/Stream Interaction Region (SIR) interaction with the magnetosphere
- Space weather services, tools, monitoring, and alerts for end-users
- Application of the AI methods into the product pipeline

Information for session submission

For SWRs, 100CD and APL session proposal submissions, the following information will be required:

- The format of the proposed session (SWR, 100CD or APL)
- Title of the proposed session
- Name, affiliation, and email address of two to four conveners (conveners from different affiliations can enhance diversity and enrich the session)
- An abstract of 250 words (max) describing the proposed session.

For OPS session proposal submissions, the following information will be required:

- Name, affiliation, and email address of three/four conveners (conveners from different affiliations can enhance diversity and enrich the session)

After the session proposal deadline, the Programme Committee (PC) will review proposals and decide which are accepted. Session conveners will be notified in around 7 April 2025 as to whether their proposal has been successful. A call for session abstracts (talks and posters) will be announced. Guidelines for conveners will be published. Later in the year, conveners will be asked to provide the names of chairs. At least one chair should be a convener. At least one chair will be attending in person, in Umea. At least one chair will take responsibility for monitoring online comments.