



SECOND ANNOUNCEMENT

Space Weather Observations throughout Latinoamerica: Filling the Southern Gaps

Ushuaia, Tierra del Fuego, Argentina

October 2- 6 2023

One of the main challenges of Space Weather (SW) is the need for a large variety of global measurements. The complex coupling between solar and geomagnetic conditions, which can affect extraterrestrial energy inputs to the thermosphere and the ionosphere, dominates the SW in these zones. In order to properly monitor and understand SW, a wide range of measurements must be made due to their dependence on local conditions. It is often necessary to deploy global networks of sensors. For many reasons, such global networks have been historically more developed in the northern hemisphere than in the southern hemisphere. In that sense, the large expanse of the South-American territory offers an excellent opportunity to address the measurement gaps.

A primary objective of this meeting is to introduce the existing observing networks in the region, as well as identify measurements gaps, with the purpose to exchange information in the field of SW from the perspective of the phenomenon that drives it through its origins in the solar atmosphere, its evolution in the interplanetary environment, and its arrival in geospace.

The meeting will consist of invited and contributed talks and poster sessions covering the recent developments with emphasis on current observational needs in the Southern Hemisphere in the following topics:

- Current Space Weather capabilities in Latinoamerica
- Ionosphere and Upper Atmosphere
- Solar Physics, Inner Heliosphere, and Cosmic Rays
- Magnetosphere and Geomagnetism
- Looking to the future

IMPORTANT DEADLINE

June 30th, 2023 Deadline for abstract submission and registration for those applying for travel support.

August 4th, 2023 Final deadline for abstract submission and registration.

Further information can be found at <http://swol2023.fcaglp.unlp.edu.ar>.

M. Paula Natali, Diego Janches, Amalia Meza

On behalf of SOC and LOC