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March 9 – 12, 2026 | INPE,
São José dos Campos, Brazil

5th Workshop on Convective Organization (WCO5)

Organized convective systems are often responsible for high impact precipitation extremes, and changes in convective organization have the potential to amplify or dampen future climate change. Following on from the highly successful previous conferences WCO, WCO2, WCO3 and WCO4 this conference will examine our present knowledge of convective organization in models and observations.

Sessions:

- Extreme precipitation events
- Convective organization over land
- Organization of convection on global k-scale models
- Artificial intelligence applied to convective organization
- Cold-pool driven convective organization
- Shallow and congestus convective organization (over ocean and land)
- Convective organization feedback on climate
- Convective organization and tropical waves



Confirmed speakers:

- Ernani Nascimento
- Courtney Schumacher
- Elsa Mohino
- Susan van den Heever
- Leah Grant
- Micael Cecchini
- Angel Adames
- Juliana Dias
- Victor Mayta
- Boualem Khouider
- Daniel Hernandez Deckers
- David Adams
- Parthasarathi Mukhopadhyay



Travel grant applications deadline:
November 1, 2025



Abstract Submission deadline:
December 1, 2025



Registration opens: January 5, 2026
Registration ends: February 28, 2026

Organizing Committee

Gilson P. Silva (INPE), Steven Boeing (Univ. of Leeds), Diana L. Monroy (Univ. Potsdam), Martin Janssens (Wageningen), Francesca Morris (Univ. of Oxford), Flo Greaves (Univ. of Leeds), Bianca Fusinato (INPE), Lianet Hernandez (INPE), Saulo R. Freitas (INPE), Karla M. Longo (INPE), Madeleine S. Gacita (INPE), Adrian Tompkins (ICTP)

Travel and Funding Support

Limited support available for students and early career researchers. Apply via the conference site.

Female scientists are encouraged to apply.