

CARLOS CALVO-SANCHO

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EDUCATION

2019-Current. **MSc, Meteorology**, University of Barcelona. Barcelona, Spain 08007.

2014-2019. **BS. Geography and Spatial Planning**, University of Zaragoza. Zaragoza, Spain 50009.

PROFESSIONAL APPOINTMENTS

2020-Current. **Intern at Agencia Estatal de Meteorología (AEMET)** (Catalunya delegation – Ministry of Ecological Transition and Demographic Challenge, Spain) Barcelona, Spain.

FELLOWSHIPS

Fellowships

- **Erasmus+ Europe Union Grant.** Sponsorship: Europe Union and Government of Spain. €3800. 2017-2018.

CONFERENCES AND SCIENTIFIC OUTREACH ACTIVITIES

Presentations

Calvo-Sancho, C (presenter), and Martín, Y. La influencia de patrones sinópticos en la formación de supercélulas y su distribución espacial en España. **12th Congress of the Spanish Association of Climatology. Santiago de Compostela, Spain. 2020 (accepted for presentation)**

Granda, R, and **Calvo-Sancho, C** (presenter). IP-WRF: configuración para la modelización de convección profunda en la península ibérica. **12th Congress of the Spanish Association of Climatology. Santiago de Compostela, Spain. 2020 (accepted for presentation)**

Calvo-Sancho, C (presenter), and Martín, Y. The influence of synoptic weather patterns in supercell formation in Spain. **General Assembly 2020 of the European Geosciences Union. Vienna, Austria. 2020 (accepted for presentation).** DOI: 10.5194/egusphere-egu2020-40

Calvo-Sancho, C (presenter). Análisis de los intervalos de confianza en las tendencias en las diferentes bases de datos climáticas globales. **11th Congress of the Spanish Association of Climatology. Cartagena, Spain. 2018.**

PROFESSIONAL DEVELOPMENT

Workshops

- **Glaciers, Snow and Permafrost: the cryosphere as climate indicator.** September 7-10, 2017. University of Menendez Pelayo. Ainsa, Huesca, Spain.

Courses

- Participation in the XII Summer course: **Applied Statistics to Spatial Data with R.** Given by Dr. Santiago Beguería. Organized by the Spanish Association of Climatology, the Spanish National Research Council (CSIC) and the Geography and Land Management Department of the University of Zaragoza. Zaragoza. 2016.
- Participation in the XIII Summer course: **Applied Statistics to Climatology with R.** Given by Dr. Santiago Beguería. Organized by the Spanish Association of Climatology, the Spanish National Research Council (CSIC) and the Geography and Land Management Department of the University of Zaragoza. Zaragoza. 2017.

- Participation in the PATC course: **Earth Sciences Simulation Environments**. Given by Dr. M^a Teresa Pay and Dr. Mario Acosta. Organized by the Partnership for Advanced Computing in Europe (PRACE) and the Barcelona Supercomputing Center (BSC). Barcelona. 2018.
- Participation in the XV Summer course: **Applied Statistics to Climatology with R**. Given by Dr. Roberto Serrano and Dr. Miquel Tomas. Organized by the Spanish Association of Climatology, the Spanish National Research Council (CSIC) and the Geography and Land Management Department of the University of Zaragoza. Zaragoza. 2019.
- Accepted in the ECMWF Training Course: **A hands-on introduction to Numerical Weather Prediction Models: Understanding and Experimenting**. Organized by the European Center for Medium-Range Weather Forecasts (ECMWF). Reading, UK. 2020. (Cancelled due to Covid-19).
- Participation in the ECMWF Training Course: **Predictability and Ensemble Forecast Systems**. Given by Dr. Andrew Brown. Organized by the European Center for Medium-Range Weather Forecasts (ECMWF). Reading, UK. 2020.

CURRENT PROJECTS

Supercells in Spain

- The influence of synoptic weather patterns in supercell formation in Spain. [Click here to see more](#)
- Supercell database and their spatiotemporal distribution. [Click here to see more](#)
- Supercell modelling with a WRF configuration for deep convection in Iberian Peninsula. [Click here to see more](#)
- Convective environments of supercell formation. [Click here to see more](#)

Weather station

- Assemble, develop and manage an Automatic Weather Station (AWS) with their webpage. [Click here to see more](#)

Storm chasing in Spain

- Develop a radar visor for storm-chasing days.
- A collection of thunderstorm photographs in Aragón, Spain. [Click here to see more](#)

SKILLS

- **Meteorological and Climatological Big Data Management.**
- **Database Management.**
- **Programming languages such as R, Python or NCL.**
- **Geographical Information Systems (GIS).**
- **Spatial and temporal analysis capabilities.**
- **Statistical analysis.**

MEMBERSHIPS

Member of the Spanish Association of Climatology

Member of the European Geosciences Union (EGU)