

Carlos Calvo-Sancho. e-mail: carlos.calvo.sancho@uva.es
Department of Applied Mathematics.
Faculty of Computer Engineering, University of Valladolid.
Plaza de la Universidad I, 40005 Segovia. Spain.

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Conference report

With this short conference report, I would like to express my sincere gratitude to the Award Committee of the European Meteorological Society (EMS) for granting me the Young Scientist Conference Award (YSCA) to participate in the 11th European Conference on Severe Storms (ECSS) held in May 2023. Receiving this prestigious award is a significant milestone in my early-career as a scientist. Attending ECSS 2023 has provided me with valuable opportunities to enhance my knowledge and skills in the field of severe convective storms (SCS), which will greatly contribute to my Ph.D. dissertation. Furthermore, the conference has been a source of inspiration and has given me fresh insights as I approach the final stages of my Ph.D. research.

The conference sessions were of exceptional quality, covering a broad range of topics from societal impacts to numerical modelling and climatology on SCS. The oral and poster presentations were particularly noteworthy, demonstrating a high standard of research. I was particularly captivated by sessions that delved into convective storm dynamics and numerical modelling at very high resolutions. These sessions directly related to my research area, and I found them immensely beneficial in terms of learning new techniques and staying updated on the latest findings from renowned research groups worldwide. Moreover, meeting colleagues in person whom I had previously only corresponded with via email was an incredible opportunity to engage in meaningful discussions and exchange diverse perspectives within our research field.

My contribution to ECSS 2023 was a poster presentation focusing on the initial stages of implementing a very high-resolution module in the operational model HARMONIE-AROME. Our research group, in collaboration with the modelling group of AEMET (Spanish National Weather Service), selected the high-static convective system in Valencia for its high socioeconomic impact and low predictability. The poster showcased the first steps of verifying this very high-resolution simulation by comparing observational data (such as SEVIRI and OPERA radar reflectivity) with their counterparts in HARMONIE-AROME.

Lastly, I would like to acknowledge the tremendous efforts of the ECSS 2023 organizers and the European Severe Storms Laboratory (ESSL) in advancing the knowledge of SCS in Europe. Once again, I extend my heartfelt thanks to EMS for awarding me the YSCA, which has undoubtedly enriched my conference experience and further motivated my dedication to the field. I look forward for the 12th ECSS in The Netherlands.

Carlos Calvo-Sancho

Segovia, 16th May 2023

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