

# **Report on the 14<sup>th</sup> European Meteorological Society (EMS) Annual Meeting and the 10<sup>th</sup> European Conference on Applied Climatology (ECAC)**

Prague, Czech Republic, 06 - 10 October 2014

First and foremost I would like to thank the Committee for kindly providing me with the Young Scientist Travel Award and granting me a unique opportunity to participate in one of the largest and most important European meteorological conference - the 14<sup>th</sup> European Meteorological Society (EMS) Annual Meeting and the 10<sup>th</sup> European Conference on Applied Climatology (ECAC), which took place from the 6<sup>th</sup> to the 10<sup>th</sup> of October in Prague, Czech Republic. Without this award my attendance would not have been possible.

My current work relies on the quantification of the weather climate variability that explains particulate matter over the Iberian Peninsula using the consistent dynamic and chemical reanalysis results of the MACC European project. Due to the lack of similar works found in literature, it was crucial to show and discuss with peers about the first results that I have obtained. This was achieved participating in the ASI11 session – Meteorological processes, atmosphere composition and pollution – where I have presented my work entitled ““Identifying coupling Modes of Particulate Matter and Meteorological Fields through Singular Vector Decomposition”. Yet, my participation in the conference went beyond that. By gathering some of the world's leading scientists, with the 613 participants in total, it allowed me to exchange knowledge, to have new ideas and to learn more about the atmospheric system and its interactions, as well as climate dynamics, two topics which are closely related to my research interests. Therefore, this presented a significant contribution to the development on my PhD - “Aerosol interaction with the atmosphere for South-western Europe”. Furthermore it allowed me to participate in fruitful discussions with experienced scientists, who have provided me with objective feedback on my own work. In my opinion, such a fundamental experience is crucial in encouraging young scientists to take the next step in research.

Once again, I am very thankful to the European Meteorological Society for providing me with the possibility to attend the conference.

Yours sincerely,

João Teixeira