

YSCA report on the 6th OpenIFS User Meeting in Barcelona (Spain), 22–26 May 2023

In this note I summarize my attendance at the 6th OpenIFS User Meeting, which took place in Barcelona, Spain, in May 2023. I am honoured to receive the Young Scientist Conference Award and I want to express my gratitude to the board for this great credit towards my early career work. My on-site attendance possible thanks to the generous support to the conference costs.

The OpenIFS User Meeting consisted of oral presentations and hands-on practical sessions. The focus was on the newly released OpenIFS-AC module as well as announcing the new model version 48r1. The practical session allowed to familiarise myself with the OpenIFS-AC module, which I necessary for my future work. This was a fantastic and insightful experience. The talk covered a wide range of topics from model developments, over air chemistry and aerosols, to machine learning applications.

A key aspect of the OpenIFS OpenIFS User Meeting is to discuss and voice the needs of the user community within each other and the developers from the European Center for Mid-range Weather Forecast (ECMWF). This exchanges were happening in formal and informal settings. For my personal growth, these were crucial as they enabled to network with other people as well as learning to voice my position and opinion in a scientific environment.

My contribution to the 6th OpenIFS User Meeting was an oral presentation in the session “Climate interactions modelling”. In this talk, I presented our recent work on enabeling climate prediction with OpenIFS and preliminary results of the impact of future polar sea ice on mid-latitude circulation. The audience showed interest in the developed tools and gave constructive criticisms as well as perspectives for future work. I want to thank the conveners Marcus Köhler and Adrian Hill for a varied set of talks and practical sessions.

Finally, I want to thank once more the local organizing committee of the Barcelona Super Computing Center and the organizing committee of the ECMWF for creating this great user meeting I had the pleasure to attend. Special thanks to YSCA board for the great honour and making my on-site attendance possible.

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