

Speaker: Francesca Macchia

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MSc degree cum laude in Computer Engineering at the University of Salento (Italy), Francesca started her research activity in high-performance computing working in the Department of Engineering for Innovation of the same university. From 2013 to 2017, she worked at the Euro-Mediterranean Centre for Climate Changes (Italy), focusing on optimization and parallelization of hydrodynamic models and designing and developing a system to handle ensemble simulations and perform data assimilation in oceanic models. In 2017 she joined Barcelona Supercomputing Center (BSC) within the Model & Workflow team (Computational Earth Sciences group, Earth Sciences department), focusing her activity on the workflow and the development of the Multiscale Online Non-hydrostatic Atmosphere Chemistry model (MONARCH) in collaboration with Atmospheric Composition group.