

MSc degree cum laude in Computer Engineering at the University of Salento (Italy), Francesca starts her research activity in the field of 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 the design and development of a system to handle ensemble simulations and perform data assimilation in oceanic models.

Since 2017, she is a Research Engineer in the Computational Earth Science (CES) group at the Earth Sciences department in the Barcelona Supercomputing Center (BSC), developing the workflow of the Multiscale Online Non-hydrostatic Atmosphere Chemistry model (MONARCH) in collaboration with Atmospheric Composition group.