

Davide Bonaldo – CNR-ISMAR, Venice, davide.bonaldo@ve.ismar.cnr.it

I am presently employed as a Research Scientist at the Institute of Marine Sciences of the National Research Council (CNR-ISMAR) in Venice, Italy, where I am part of a group investigating different aspects connected with Physical Oceanography.

With a background on Environmental Engineering, I received my PhD at the University of Padua (Italy) with a thesis on estuarine and lagoon morphodynamics. In 2012 I started my Post-Doctoral research fellowship at CNR-ISMAR, where I progressively included in my fields of interest the investigation of meteo-oceanic dynamics at the mesoscale and sub-mesoscale, based on the joint use of coupled atmosphere-wave-ocean numerical models and observational data, with particular reference to sediment transport implications for coastal and deep-sea systems. Relevant recent applications include the assessment of the morphodynamic response of coastal environments to natural or anthropogenic perturbations, the characterisation of intense meteo-marine events such as tropical-like cyclones in the Mediterranean Sea (also known as “Mediterranean Hurricanes”, or “Medicanes”), flash floods in coastal zones, cold air outbreaks in dense water formation basins and their implications for cross-shelf fluxes of energy, nutrients and sediments.

I am presently author of 19 articles in ISI-indexed journals and reviewer for several International journals.

