



## **Investigating the variability of the northern Adriatic Sea circulation with a very high resolution model**

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The NEMO model was implemented on the northern Adriatic sea with an high resolution (horizontal resolution of 800 m and vertical resolution of 2 m). The model is off-line nested with a general circulation model of Mediterranean sea providing open boundary data.

Hindcast simulations with high frequency atmospheric forcing and daily river runoff, were performed and analyzed in order to study the interannual variability of the northern Adriatic sea circulation, mostly in relation to the freshwater input and wind forcing.