



## **Vortex Structure in the North of the Ebro Delta Shelf (NW Mediterranean Sea)**

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The characteristic vortex scales in the North area of the Ebro Delta shelf is studied. A natural model is represented by a total of 91 Satellite (SAR) images, compared with a laboratory model under low tidal and realistic seasonal characteristic flow conditions. Represented such as Spring; Summer; Fall and Winter field data from the Ebro River. The physical laboratory experiences were performed on a five-meter diameter turntable, using the Froude-Rossby similarity. The experimental results under rotating conditions show coherent vortex dynamics in the large-meso scale coastal boundary. This work shows complementary results from both methods investigating the vortex structure and the dynamics of the flow.