



Assessment of the Operational Readiness Level of the Spanish Ports forecasting system

The Spanish Ports system has a long experience on implementation and operation of forecasting systems to meet their users needs. In the last decade, coastal and harbour scale forecasting models have been developed in the framework of SAMOA (Operational Oceanography at the service of Ports) initiative. This supposed a revolution in the way Operational Oceanography provided science-based solutions to 28 Port Authorities (including 48 ports of the national system). Nowadays, the system is composed of around 100 operational models which include forecasts of agitation/local waves (21), including overtopping forecast system in 4 ports, circulation (31), and wind (20 models with 200 m resolution and 15 with very high resolution, up to 50 m). Such complex system must be efficiently managed and monitored to guarantee availability of high-quality products and interoperability with other systems at national and international level. For this, an assessment of the capacity of Spanish Ports forecasting system is presented,

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