Monitoring marine coastal areas

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The European Commission has invested in developing services such as the Copernicus Marine Environment Monitoring Services that offer opportunities to new downstream applications. This presentation describes the development of monitoring services in coastal areas at the submesoscale, by addressing synergies between different available marine technologies and products such as satellite images, autonomous surface and underwater vehicles, drone images, downscaled hydrodynamic models, etc, that get inspired in recent success cases [1, 2]. In particular ongoing efforts will be discussed that address the operational implementation of these tools for the management of marine pollution in harbors and coasts with a focus in the hydrodynamic modelling aspects.

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References

