

Coastal in situ data available in the Copernicus marine service

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<https://marineinsitu.eu/partners/>

Abstract

The in situ component (In Situ TAC) of the Copernicus Marine Service is one of the European aggregators of in situ data and complements EMODnet. In fact, the In Situ TAC and EMODnet (physics thematic and chemistry thematic) are working together to clarify their offerings and make them complementary. The In Situ TAC does not own any in situ marine observation systems but integrate them from different national, European and international providers and networks. Data is mainly from open sea but also covers coastal areas, which will be detailed during the presentation. Considered physical and biogeochemical essential ocean variables come from automatic measurements and cover long period up to present time. Before being available through the Copernicus marine catalogue, the data is homogenised and quality controlled as well as combined to in situ products (discrete data at measurement points). The Copernicus marine service is operational with all constraints that this implies for example in terms of product availability, product changes and information to users. The source and traceability of the in situ data flow from the provider to the user are displayed with a certain granularity that still needs to be improved to meet the provider's requirements.