



# CONSIGLIO NAZIONALE DELLE RICERCHE ISTITUTO DI SCIENZE MARINE

## CICLO DI SEMINARI

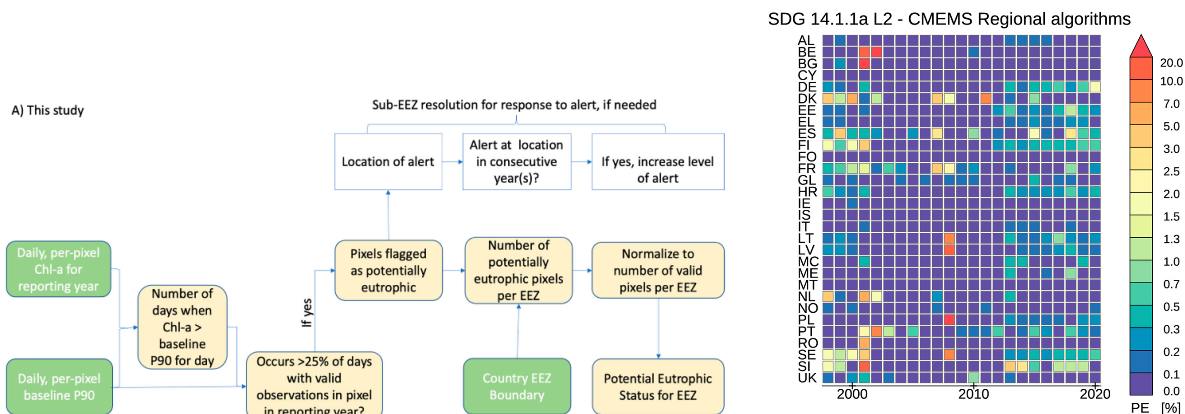
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Reporting potential eutrophication of European waters within the UN Sustainable Development Goal 14 framework using satellite derived chlorophyll data

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Since 2021 the Copernicus Marine Service is contributing to the reporting of eutrophication of European waters within the UN Sustainable Development Goal (SDG) 14 (life below water) framework. The satellite-based maps of potential eutrophic and oligotrophic areas in the European Seas are generated based on a comparison of the per-pixel chlorophyll-a data from the Copernicus Marine Service regional chlorophyll satellite datasets in each reporting year with the corresponding chlorophyll-a climatological 90th percentile (P90) established for a 20-year baseline (1998–2017). Then the time series of potential eutrophication is averaged over Exclusive Economic Zones (EEZs) of each European country and delivered to Eurostat and made publicly available. The results for the European waters for the past 25 years (1998–2022) will also be compared with those from the SDG 14 global satellite-derived eutrophication indicator (target 14.1.1a) provided by UNEP.