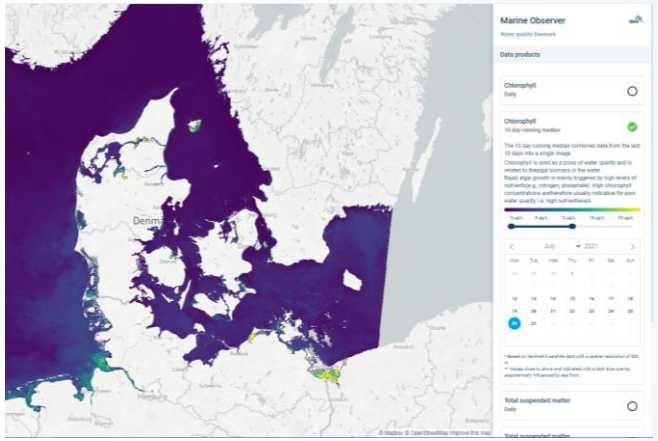
EO services contributing to SDGs

Marine Observer

- User: National and regional authorities, Port authorities, offshore stakeholders, aquaculture and fishery
- Challenge/Needs: Timely, accurate and spatially coherent information on water quality parameters is needed to underpin informed and effective water quality strategies; control port water pollution and impacts from offshore activities and; support early warnings of algae blooms, red tides and sediment plumes.
- Initiative: Commercial product as a result of several years R&D
- Results: Marine Observer provides a large-scale overview of key water quality parameters, including Chlorophyll concentration and Total Suspended Matter (TSM), enabling stakeholders to get a quick overview of the past and current status of the marine waters in their area of interest. The service is available globally and access to archived and up-to-date information in near-real-time is served through custom tailored data portals.
- Service Provider: DHI GRAS

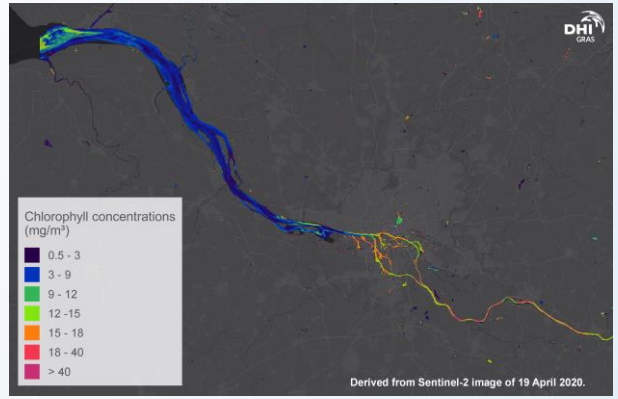
Target 6.3: By 2030, improve water quality by reducing pollution, eliminating dumping and minimizing release of hazardous chemicals and materials, halving the proportion of untreated wastewater and substantially increasing recycling and safe reuse globally.

Target 14.1: By 2025, prevent and significantly reduce marine pollution of all kinds, in particular from land- based activities, including marine debris and nutrient pollution.



User interface of Marine Observer Denmark – available at https://marineobserver.dhigroup.com/denmark

Example: Chlorophyll concentrations in the entry towards the port of Hamburg.



EARSC
European Association of Remote Sensing Companies

Reference: https://marineobserver.dhigroup.com/ / https://www.dhi-gras.com/projects/eo4sdg/