Water Quality mapping and monitoring

EOMAP detect more.

6 CLEAN WATER AND SANITATION

- User: World Water Quality Alliance (WWQA) and UN Environment Programme (UNEP)
- Challenge/Needs: Hot spot analysis informing indicator 6.3.2
- Initiative: Drivers for WWQA are human health, ecosystem health and food security/safety. This commercial water quality service supports this in high resolution globally. End users are fishery organizations, national lake authorities and disaster management organisations.
- Results: Parameters like turbidity, chlorophyll-a, water temperature, harmful algae blooms and deducted trophic state provide valuable proxies in areas lacking traditional, ground-based water quality monitoring. EOMAP's water quality services use sensor independent technology including high resolution sensors like Sentinel-2A/B and Landsat 8 (10-30 m) in combination with commercial very high resolution sensors (2 m). Ready to use information is available through easy access web applications, providing details about seasonal and spatial dynamics. Reporting functions are included in the service line.
- Service Provider: EOMAP

https://www.eomap.com/services/water-quality/

EARSC
European Association of Remote Sensing Companies

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.

6.3.2: Proportion of bodies of water with good ambient water quality
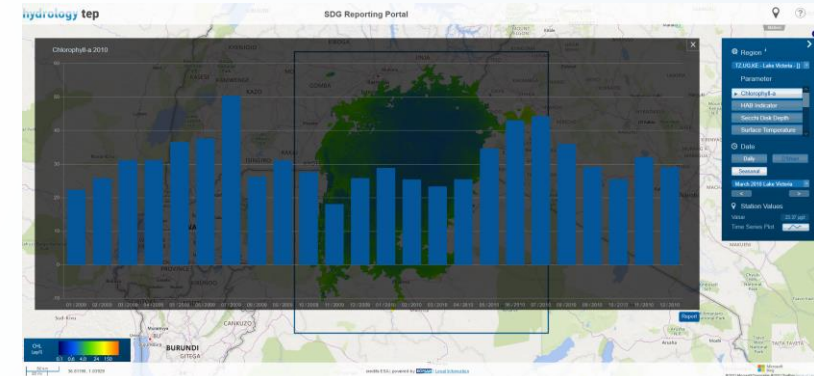
Chlorophyll-a time series displayed in the SDG Reporting portal: http://sdg6-hydrology-tep.eu/

Harmful algae bloom detected by Sentinel-2 in 10m resolution Lake Victoria