

The Web App for Water Quality from Space

Introducing eoapp AQUA, our user-friendly online water analytics system to generate, visualize and analyse water quality data on the EOMAP cloud, harnessing our cutting-edge algorithms for efficient analysis.

Receiving key water quality parameters such as turbidity and sediment concentration, chlorophyll-a, harmful algae blooms, or surface water temperature at the tip of your fingers.



BENEFITS







The world leading data analytics available in the eoapp AQUA support water authorities, water managers, and stakeholders to:

- + Cover large areas and many water bodies
- + Go back in time until the 1980s
- + Monitor lakes, rivers, and coasts in near-real-time
- + With affordable pricing compared to in-situ measurements
- + Increase efficiency of field campaigns



Try aqua.eoapp.de

SERVICE FEATURE

-  User friendly dashboards
-  Fast on-demand processing
-  Awarded, high performant cloud infrastructure
-  Map view of areas of interest
-  Fully physics-based, supported by AI
-  Tailored combination of all relevant satellite data



«Using the eoapp by EOMAP increased the number of lakes we can monitor by the factor of 10 and more.»
Federal water authority (Germany)

SERVICE PACKAGES

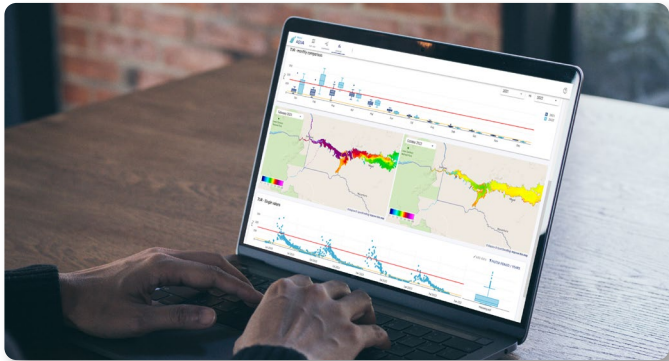


Baseline

Go back in time for up to 40 years

Historical analysis

- + Understand seasonality
- + Assess extreme values in long-term context
- + Detect trends and natural variability
- + Identify spatial patterns

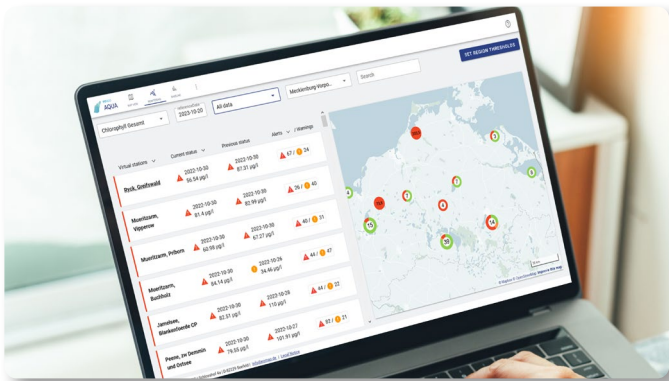


Monitoring

Subscription for 3, 6, 12 months or longer

Historical analysis

- + Near-real-time processing of current satellite scenes
- + Fast overview of all areas of interest (AOIs)
- + Statistics and visualization in the dashboard
- + Identify spatial patterns

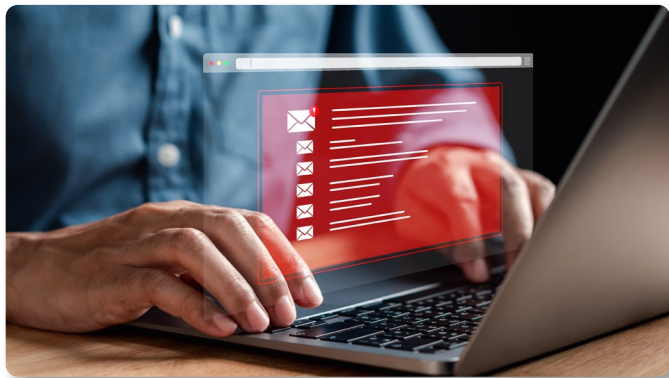


Alert

in combination with Monitoring

Direct notifications when thresholds are exceeded

- + Notification via E-Mail
- + Definition of own and site-specific thresholds
- + Combination of different data for early warning indicators



Applications range from monitoring potential toxic algal blooms in bathing waters to supporting reporting obligations. eoapp AQUA also facilitates environmental impact assessment of construction works, long-term climate change analysis, and reports on seasonal behaviors and trends in line with directives. Additionally, applications encompass early warning systems and campaign planning.