Monitoring and Detecting Harmful Algae Blooms (HABs)

6 CLEAN WATER AND SANITATION

- **User:** public authorities – water management
- **Challenge/Needs:** Monitoring and detecting harmful algae blooms fast and accurately is essential as they are extremely harmful to the environment and human life.
- **Initiative:** EOMAP leverages the value added of Planet's near-daily SuperDove satellites' green and yellow spectral data to monitor and detect HAB outbreaks fast with greater accuracy.
- **Results:** Integrating Planet's SuperDove data, EOMAP's HAB Indicator classifies the probability that toxic bacteria are present in water bodies to create a daily dashboard monitoring at-risk areas.
- **Service Provider:** EOMAP

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.
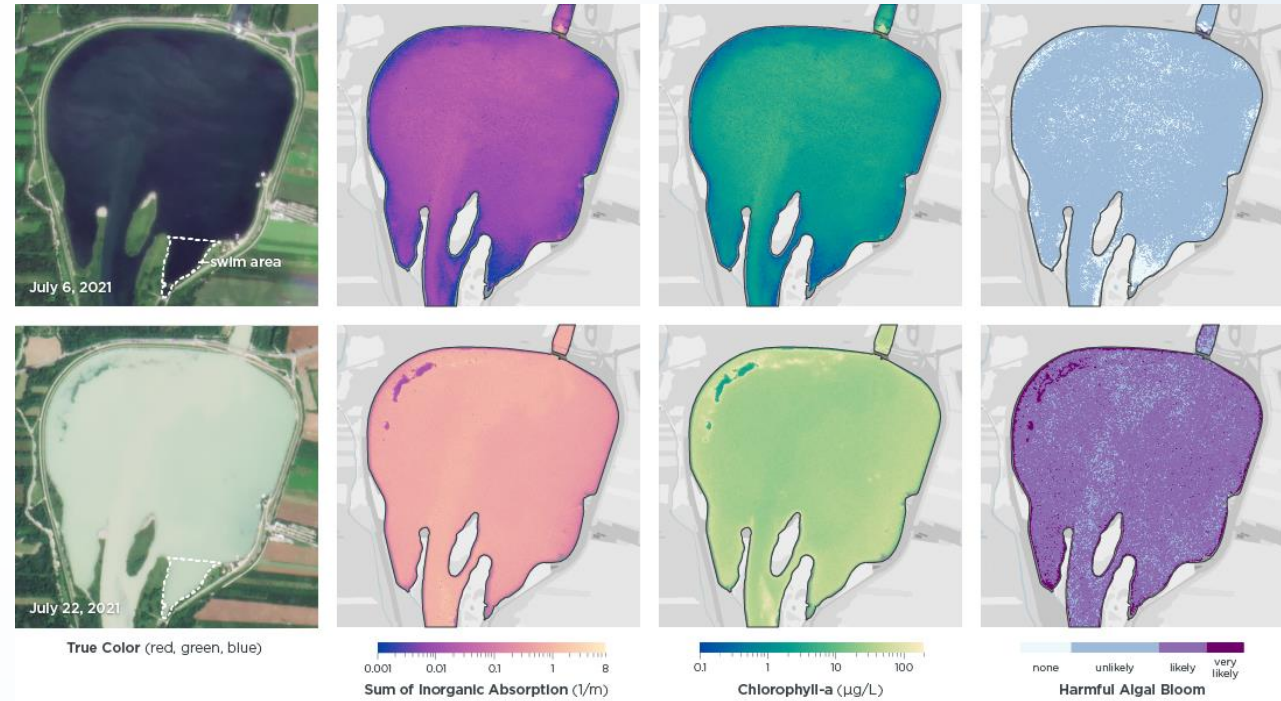
Derived measurements from 8-band data courtesy EOMAP. These show conditions before (July 6, 2021) and during (July 22, 2021) a harmful algal bloom in Mandichosee, Bavaria, Germany. PLEASE DO NOT SHARE WITHOUT CONSENT.

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