

WATER RESEARCH AND ENVIRONMENTAL SERVICES

PALEOLIMNOLOGICAL STUDIES

DIATOM ANALYSIS



WATER RESEARCH

1. Lake history

- Paleolimnological studies

2. Assessment and monitoring of present waters

- Assessment of ecological status
- Planning and execution of monitoring programmes

3. Estimation of future trends

- Water management and restoration plans

ENVIRONMENTAL SERVICES

- Environmental inventories
- Advice in environmental law matters
- Applications for environmental permits
- Applications for subsidies
- Environmental impact assessments and related studies
- Environmental risk analyses
- Expert and educational services

PALEOLIMNOLOGY

tracks down lake history and past water quality from material sedimented to lake beds as much as thousands of years ago. The sediment is dated by modern methods. The composition of biological remains, e.g. diatoms, zoobenthos or pollen, can be interpreted as parameters like pH, nutrient level, water colour or humic content for a distinct time scale.

PALEOLIMNOLOGICAL RESEARCH

- specifies a reference status for a water body (status before onset of a specific impact or impacts).
- is a powerful tool for all water management related studies, water monitoring and restoration plans fulfilling the goals of the European water framework directive.

ECOMONITOR

- has a strong scientific expertise with diverse calibration datasets.
- has done numerous water research studies for a broad clientele.

DIATOMS ARE

- microscopic algae.
- excellent indicators of water quality.
- very suitable for biological monitoring.

DIATOM ANALYSIS

- reveals mean water quality over long periods and defines the water quality class from high to bad.
- is an international and standardized method approved by environmental authorities. Results are directly comparable with results from environmental agencies.
- is a cost-effective method for assessment of water quality and water management purposes.
- needs fewer sampling occasions than traditional water chemistry analyses and sampling can be done by the customer, which saves costs.

ECOMONITOR'S TAXONOMIC SKILLS

are certified in international intercalibration exercises

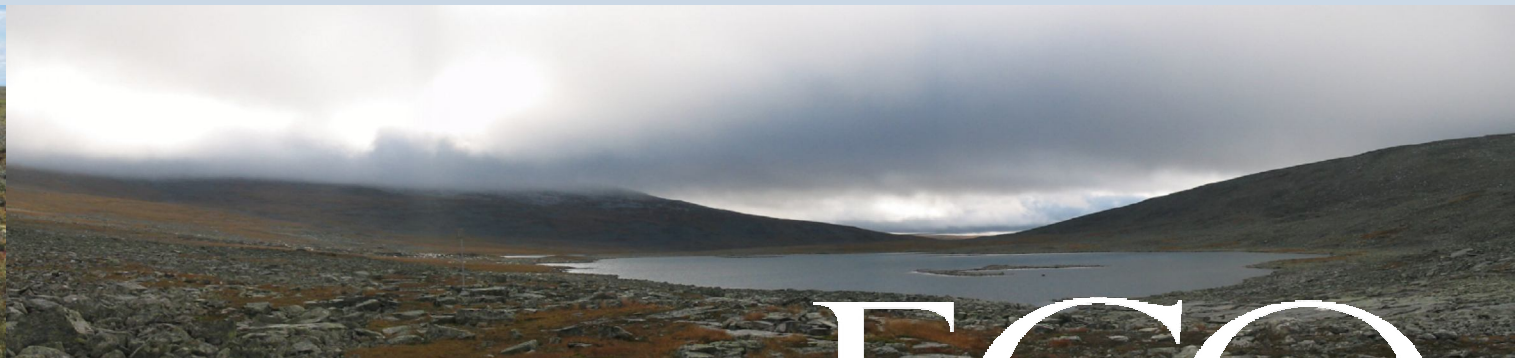


Our expert network consists of leading experts in Finland and abroad.

In addition to traditional water chemistry, we offer sampling services, analyses as well as crisp and legible reports for following biological indicators:

- DIATOMS
- OTHER BENTHIC ALGAE
- PHYTOPLANKTON
- ZOOPLANKTON
- ZOOBENTHOS
- MACROPHYTES
- FISH

Services are tailored to the needs of private customers, business customers, communities and environmental authorities.



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