

# AquaBox

Automated, multichannel and multiparameter sampling and measurement unit

AquaBox is a flow-through system designed for automated high-precision and high-frequency monitoring of multiple experimental units, e.g., mesocosms.

- Automated sampling introduces sequentially water from experimental units into a flow-through system, with a modular set of measurement probes and analyzers
- Measuring parameters can include: T°C, O<sub>2</sub>, *in vivo* fluorescence, FRRF, PAM, CDOM, pCO<sub>2</sub>, pH, inorganic N and P, flow cytometry, image analysis of individual cells of phytoplankton and zooplankton species (FlowCAM, CytoSense, FlowCytobot); automated water sample retrieval for additional analyses
- All functions computer-controlled, automatic data transfer and storage
- Video: [AquaBox](#)

