

# Benthic Lander

Platform for measuring benthic-pelagic coupling

Observation platform to be deployed on the seabed, to record physical, chemical or biological activity. The steel frame is equipped with sensors measuring autonomously for several days to months.

Instrumentation of the lander:

- Sensors for  $p\text{CO}_2$ ,  $\text{CH}_4$ ,  $\text{O}_2$ ,  $\text{H}_2\text{S}$ /pH/T and  $\text{PO}_4$  measurements from Contros/4H-Jena, Aanderaa, Sea&Sun Technology/AMT, WetLabs/SeaBird
- 3D profiler, ADCP SeaWatch 1200 kHz, LISST-100X particle detection and AQUAScat suspension profiler from Marine Electronics, Rowe, Sequoia and Aquatec
- [Central logger](#) and [acoustic modems](#) from Develogic
- Contact: Joonas Virtasalo GTK ([firstname.surname@gtk.fi](mailto:firstname.surname@gtk.fi)), Katri Kuuppo SYKE ([firstname.surname@syke.fi](mailto:firstname.surname@syke.fi)),



Finnish  
Environment  
Institute



S Y K E

Geological  
Survey Finland

