

SERVICES FOR MARINE RESEARCH



UNIVERSITY OF TURKU

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ARCHIPELAGO RESEARCH INSTITUTE

TURKU ARCHIPELAGO - SEILI



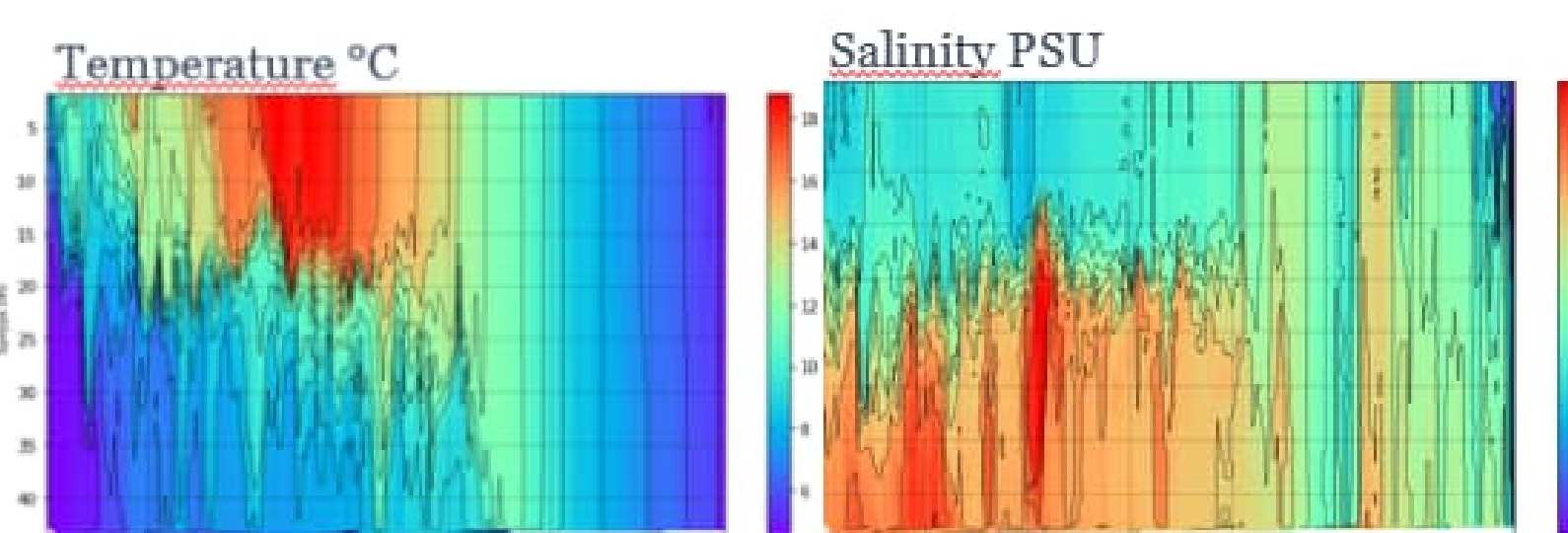
ARI The *Archipelago Research Institute* of Turku University, located at the Seili island, has been established in a former 18th century asylum, which has been converted into a modern state-of-the-art international marine research facility. The neoclassically built environment provides an ideal, inspiring and unique framework for conducting high quality marine research. SITES.UTU.FI/SEILI/

EMBRC Besides FINMARI, the services offered at ARI are also part of the *European Marine Biological Resource Centre*, which provides access to marine ecosystems and experimental platforms, and related services, to researchers from both academia and industry. WWW.EMBRC.EU



ENVIRONMENTAL MONITORING

- As a part of global ODAS network, ARI provide sixty-year-long environmental time series of seawater temperature (°C) and salinity (PSU), and meso-zooplankton community composition from 0-45 deep water column from institute's fixed monitoring station north of Seili island.
- Since the early 1980s, ARI has also monitored the characteristics of the spawning herring population in the Archipelago Sea as part of a long-term project on herring reproductive biology.
- Downloadable automatic seawater measurements from Seili automatic profiling buoy, with weather station and eutrophication predictions for the next 10 days, to complement the manual measurements for higher sampling frequency and real-time data acquisition (SAARISTOMERI.UTU.FI/ODAS_FI/)



VESSELS, equipped a range of samplers/probes for field studies (e.g. Nets, Grabbers, Sonars, ROVs, etc.)
r/v Aurelia

- Max. capacity 40 persons (+ 2 crew; the vessel is hired only with crew)
- Overall length 18.1m, beam 5m, draft 1.5m, max. speed 15 knots, gross tonnage 5.8 t.
- Outdoor working space (16.4 m²), Lowered sampling deck (15.5m², small laboratory/wet lab space (2.9 m²)

Minor Range 7600 & Faster 515 motor boats, available for transportations and sampling trips in the Archipelago Sea

- Max. 6-8 passengers
- Lengths 5.1-7.5 m
- Powers 60-160 hp



EXPERIMENTAL FACILITIES

- Three drylabs and four wetlabs, classrooms, cold facilities, superfreezers (-80°C), etc.
- Ten indoor experimental racks with nine 10-30 litre aquaria tanks each with temperature-controlled flow-through seawater and adjustable light periods and spectra
- Outdoor flow-thru mesocosms with 16 units tanks (120 litre), equipped with wave machines if needed

For more information of our possibilities, see SITES.UTU.FI/SEILI/