

GEF2610: FIELD WORK WITH F/F TRYGVE BRAARUD 20 SEPTEMBER 2018



F/F Trygve Braarud is the biggest sea-going vessel of UiO. It is a floating laboratory with modern sensors for measuring physical, chemical and biological parameters. Its normal region of operation is the inner and outer Oslo fjord. F/F Trygve Braarud, built in aluminum, was constructed in 1983 at Linstøls Skips- og Båtbyggeri in Risør, Norway. The vessel is 21,8 m long, has a normal cruising speed of 9,5 knots (18 km/h) and a maximum speed of 12 knots (22 km/h).

We meet: Take the train to **Lysaker** west of Oslo. We will meet at the harbour where the ship is **no later than 8:30**. See map on the next page.

We finish: We'll be back in harbour at 3pm at the latest.

What to bring: Bring a notebook and pen/pencil. Remember that the air out at sea is usually colder than on land, so bring appropriate clothing (check the weather forecast). The boat supplies us with tea and coffee, but you'll have to bring lunch and sweets yourself.

Measurements: We will take hydrographic measurements (salinity, temperature) at two-three different stations, at least one in Bunnefjorden (inner part of the fjord) and another in Vestfjorden (outer part), and then contrast the hydrography (there is a sill between the inner and outer parts of the fjord). We will estimate three types of heat fluxes between atmosphere and ocean. Finally, we will meet up with another boat that will be deploying an ADCP for measuring current profiles.

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