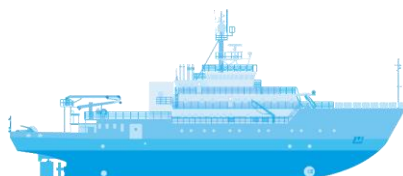


03.12.2024



ILMATIETEEN LAITOS



COMBINE 1 leg 1 Gulf of Finland

1/2025 (24/056)

Description of the Research Project

Monitoring of harmful substances, hydrography (pH, oxygen, total sulfide, ammonia, nutrients), and physics (temperature and salinity), non-compliance with HELCOM COMBINE and EU MSFD monitoring programs. Maintenance FMI wave buoy and large scale sea water pumping for Syke laboratory.

Haitallisten aineiden, hydrografian (pH, happi, ravinteet, rikkidioksidi, ammonium) ja fysikaalisten parametrien (suolapitoisuus, lämpötila) seuranta HELCOM COMBINE-ohjelman mukaan tukemaan merenhoitoa. Lisäksi aaltopöijun huolto, ja meriveden pumppaus Syken meriekologian laboratorioita varten.

Lead Principle Investigator Maiju Lehtiniemi

Departure: 14.01.2025 at 10.00

Arrival: 17.01.2025 at 11.00

Cruise Speed: 10

Duration of the Cruise: 3Days 1h 0min

Number of observation stations 18. Route points named as "P" are transit points only.

Nro	Name	Lat.	Long.	Depth	Arrival	pv	pp.kk.vvvv	Duration		Speed
		[WGS-84]	[m]	hh:mm	hh			mm	knots	
1	39A	60° 04.01' N	024° 58.81' E	43	10.00	tiistai	14.01.2025	2	0	10
2	AALTO_HKI	59° 57.90' N	025° 14.10' E	62	12.58	tiistai	14.01.2025	1	30	10
3	XIV3	60° 12.19' N	026° 11.57' E	77	17.41	tiistai	14.01.2025	2	0	10
4	XV1_KYVY11	60° 15.00' N	027° 14.82' E	64	22.50	tiistai	14.01.2025	4	0	10
5	LL3A	60° 04.03' N	026° 20.80' E	68	05.44	keskiviikko	15.01.2025	4	0	10
6	GF2	59° 50.31' N	025° 51.41' E	84	11.45	keskiviikko	15.01.2025	2	0	10
7	LL5	59° 55.01' N	025° 35.82' E	70	14.40	keskiviikko	15.01.2025	2	0	10
8	LL6A	59° 55.01' N	025° 01.81' E	75	18.22	keskiviikko	15.01.2025	2	0	10
9	LL7D	59° 50.79' N	024° 50.27' E	103	21.05	keskiviikko	15.01.2025	4	0	10
10	GF1	59° 42.30' N	024° 40.93' E	84	02.03	torstai	16.01.2025	2	0	10
11	LL9	59° 42.01' N	024° 01.81' E	69	06.02	torstai	16.01.2025	2	0	10
12	XII3	59° 51.85' N	023° 59.14' E	33	09.02	torstai	16.01.2025	2	0	10
13	JML	59° 34.91' N	023° 37.61' E	80	13.02	torstai	16.01.2025	4	0	10
14	F62	59° 20.01' N	023° 15.81' E	95	18.54	torstai	16.01.2025	2	0	10
15	LL12	59° 29.01' N	022° 53.81' E	82	22.20	torstai	16.01.2025	3	0	10
16	LL11	59° 35.01' N	023° 17.81' E	68	02.42	perjantai	17.01.2025	2	0	10
17	AMN	59° 41.43' N	023° 15.43' E	56	05.21	perjantai	17.01.2025	2	0	10
18	LANGDEN	59° 46.61' N	023° 15.77' E	57	07.52	perjantai	17.01.2025	2	0	10

