



RV Aranda

CRUISE PLAN

MAAMERI 4 2022, 4/2022

2. - 6.5.2022

Description of the cruise

Purpose of the EARTHSEA cruise is to obtain information of sediment geochemistry, especially accumulated phosphorus at previously uninvestigated areas. Measurements of nutrient concentrations and turbidity of in water column are taken, in relation to development of algal blooms. Data collected during this cruise will be compared to simultaneously collected remote sensing data.

Scientific staff:

Chief scientist:	Hermann Kaartokallio	SYKE	
CTD chief:		SYKE	
Chief chemist:		SYKE	
		SYKE	06.05.2022 - 06.05.2022
		SYKE	06.05.2022 - 06.05.2022
		SYKE	06.05.2022 - 06.05.2022
		SYKE	06.05.2022 - 06.05.2022
		SYKE	06.05.2022 - 06.05.2022
		GTK	06.05.2022 - 06.05.2022

Altogether 9 persons in scientific staff.

Departure from: UUSIKAUP1
Departure time: Monday 02.05.2022 at 13.00

Cruising speed: 10,0 knots
Average station time: 4 h 0 min.

Arrival to: HELSINKI

Arrival time: Friday 06.05.2022 at 08.14

Duration of the cruise: 3 days 19 h 14 min

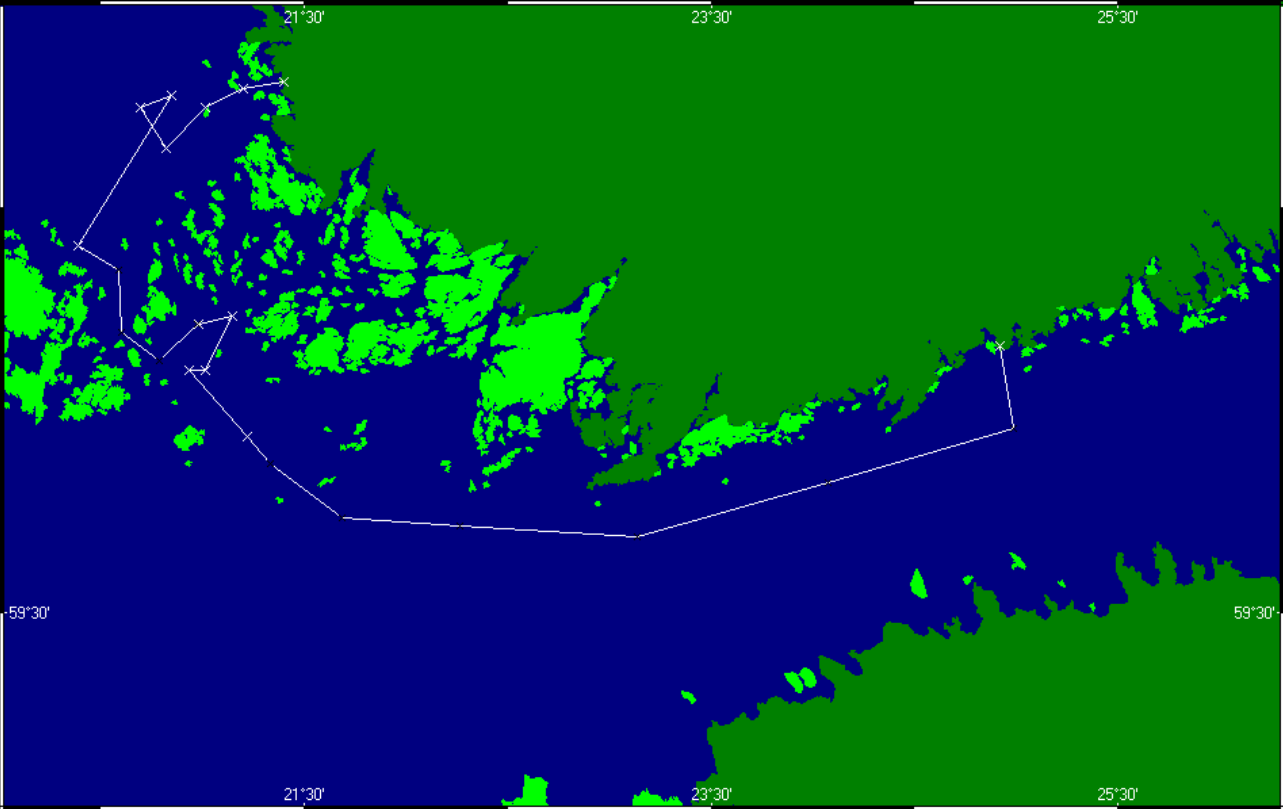
Length of the cruise: 252,39 nautical miles

Number of stations 12. Points with name "P" are just route points without observations.

Route:

Nro	Station	Lat.	Long.	Depth		Arrival		Durat.	Speed
				[m]	hh:mm	dy	dd.mm.yyyy		
0	UUSIKAUP1	60°48.01'	21°23.80'	4	13.00	Mo	02.05.2022	0:00	S 10,0
1	GTK_H019	60°44.29'	21°00.60'	50	14.11	Mo	02.05.2022	4:00	S 10,0
2	IU2	60°35.01'	21°07.80'	54	19.11	Mo	02.05.2022	2:00	S 10,0
3	GTK_H020	60°44.26'	20°41.64'	60	22.45	Mo	02.05.2022	12:00	S 10,0
4	IU1	60°46.01'	20°50.80'	33	11.14	Tu	03.05.2022	2:00	S 10,0
5	GTK_H021	60°38.66'	20°28.32'	60	14.34	Tu	03.05.2022	6:00	S 10,0
6	IU3	60°20.00'	21°06.80'	48	23.13	Tu	03.05.2022	12:00	S 10,0
7	IU4	60°14.00'	21°08.80'	51	11.50	We	04.05.2022	2:00	S 10,0
8	GTK_C010	60°05.90'	21°00.62'	40	14.44	We	04.05.2022	4:00	S 10,0
9	IU5	60°03.49'	21°11.90'	89	19.21	We	04.05.2022	14:00	S 10,0
10	IU6	59°56.21'	21°13.26'	120	10.05	Th	05.05.2022	2:00	S 10,0
11	IU7	59°48.91'	21°20.20'	92	12.53	Th	05.05.2022	2:00	S 10,0
12	MIDSHIP	59°30.42'	22°04.17'	?	17.47	Th	05.05.2022	4:00	S 10,0
13	P	59°41.41'	23°08.06'	-	01.12	Fr	06.05.2022	0:00	S 10,0
14	P	59°49.47'	24°04.47'	-	04.09	Fr	06.05.2022	0:00	S 10,0
15	P	59°57.50'	24°59.29'	-	07.01	Fr	06.05.2022	0:00	S 10,0
16	HELSINKI	60°09.55'	24°55.37'	0	08.14	Fr	06.05.2022	0:00	S 10,0

Route map:



Cruise plan is printed at 29.04.2022 ai 01.30.