

The image features two whales swimming in deep blue water. A large, semi-transparent 'IHW' logo is overlaid on the left side of the image. The text 'Science & Education Report' is centered in white. The whale in the foreground is larger and more detailed, showing its skin texture and fins. The second whale is smaller and positioned behind it, partially obscured by the 'IHW' text.

Science & Education Report

MS FRIDTJOF NANSEN

24th May – 1st
June 2024

FNICE2405





Science & education program

During this voyage, we ran **4 citizen science** projects in total: eBird, HappyWhale, Inaturalist, and SecchiDisk. You were able to enrich your mind with **10 lectures** on different topics from birds to rocks. You also took part in the **5 discovery sessions** we put on.

We also helped our guest scientist from SOOP – Shaping an Ocean Of Possibilities, to collect data on different water parameters like: temperature, edna, oxygen, carbon dioxide mikroplastic & mikroplastic

A lot of you were very interested in the scientific aspect of our voyage and we thank you all for your enthusiasm. Here we provide a resume of our science activities.



Wildlife watch

68 Species:
5 Marine Mammals
63 Birds

5 Checklists

28 species observed



Keyboard short

63 bird species seen altogether on trip



A total of 1,428 individuals of 28 species logged into eBird

**3 duck sp
10 wader/shorebird sp
12 seabird sp
3 landbird sp**

Mallard	1	Razorbill	2
Common Eider	130	Common Guillemot/Murre	74
Harlequin Duck	5	Black-legged Kittiwake	31
Eurasian Oystercatcher	8	Lesser Black-Backed Gull	6
Eurasian Golden Plover	7	Arctic Tern	48
Common Ringed Plover	6	Red-throated Diver	1
Whimbrel	2	Northern Fulmar	147
Black-tailed Godwit	1	Manx Shearwater	5
Common Snipe	8	Northern Gannet	3
Red-necked Phalarope	5	European Shag	3
Ruddy Turnstone	55	Redwing	1
Red Knot	410	White Wagtail	1
Dunlin	30	Meadow Pipit	2
Atlantic Puffin	173		
Black Guillemot	241	Unidentified Large Auk	23

Most abundant species



Red Knot



410

Black Guillemot



241

Atlantic Puffin



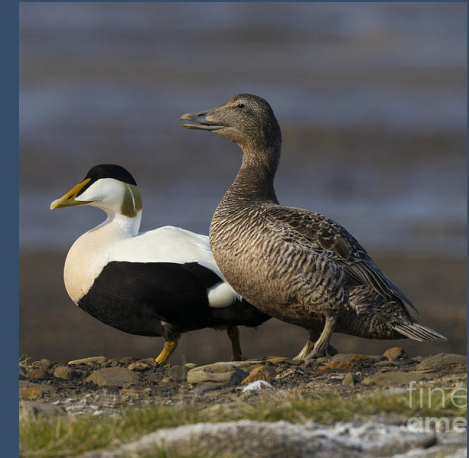
173

Northern Fulmar



147

Common Eider



130

iNaturalist

We submitted around 187 observations identifying 92 species from planktonic creatures to marine mammals and birds. The most observed species were the plants and birds. It is still time to join our project once you are back home and have time to go through your photos. Helping us document the local biodiversity will help the scientists worldwide to monitor the changes of distribution and abundance of the most iconic species.

Join our project by searching its code name: FNICE2413

View our data submitted on our iNaturalist:
<https://www.inaturalist.org/projects/ms-fridtjof-nansen-fnice2413-24-of-may-1-of-june-2024>





EVENT IN PROGRESS



MS Fridtjof Nansen FNICE2413 24 of May - 1 of Ju...

MAY 24, 2024 - JUN 1, 2024

About

Leave 10

This is the iNaturalist project for Hurtigruten MS Fridtjof Nansen The Land of Elves, Sagas and Volcanoes. Join the project and document the biodiversity of any animals and plants that you see along our cruise. Add your submissions at any moment during or after the voyage. Your observations will contribute to

[Read More >](#)

[Your Membership](#)

PROJECT MEMBERS
ONLY

[Project Journal](#)

Overview

160
OBSERVATIONS

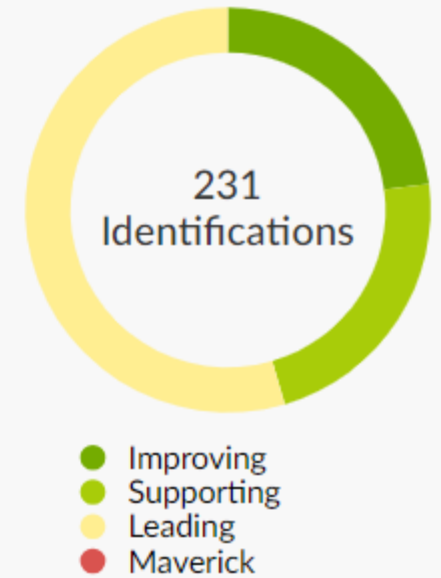
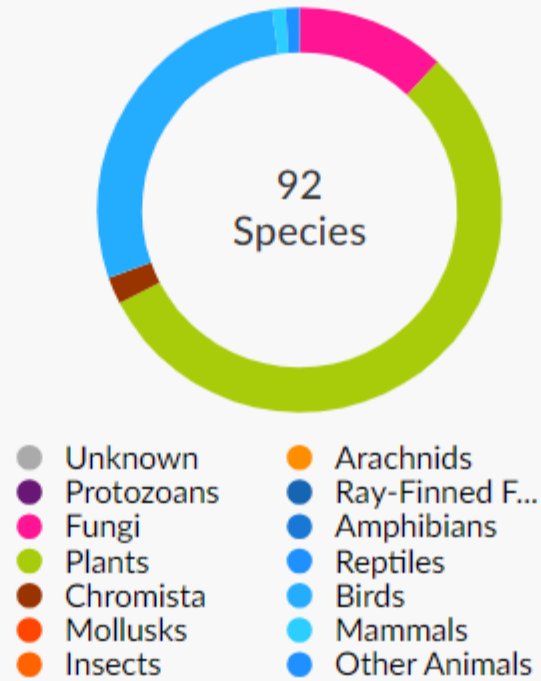
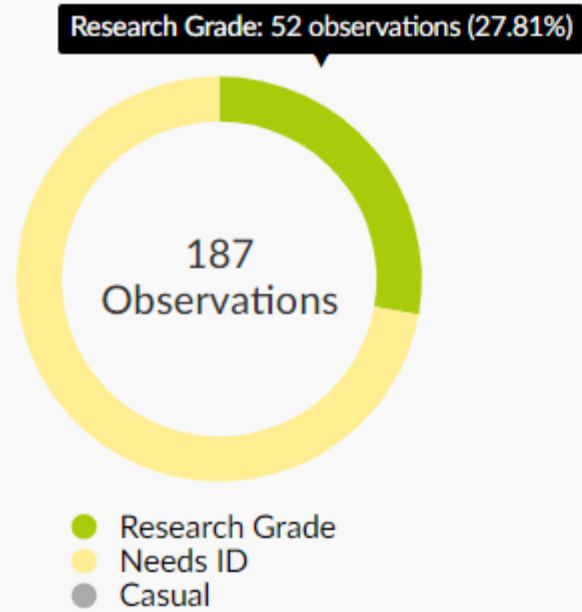
78
SPECIES







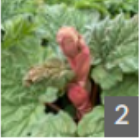









30
IDENTIFIERS







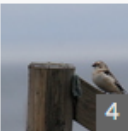


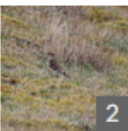





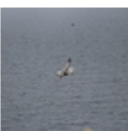


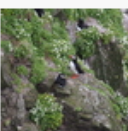


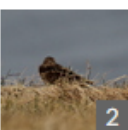


8
OBSERVERS



















[Stats](#)

Stats



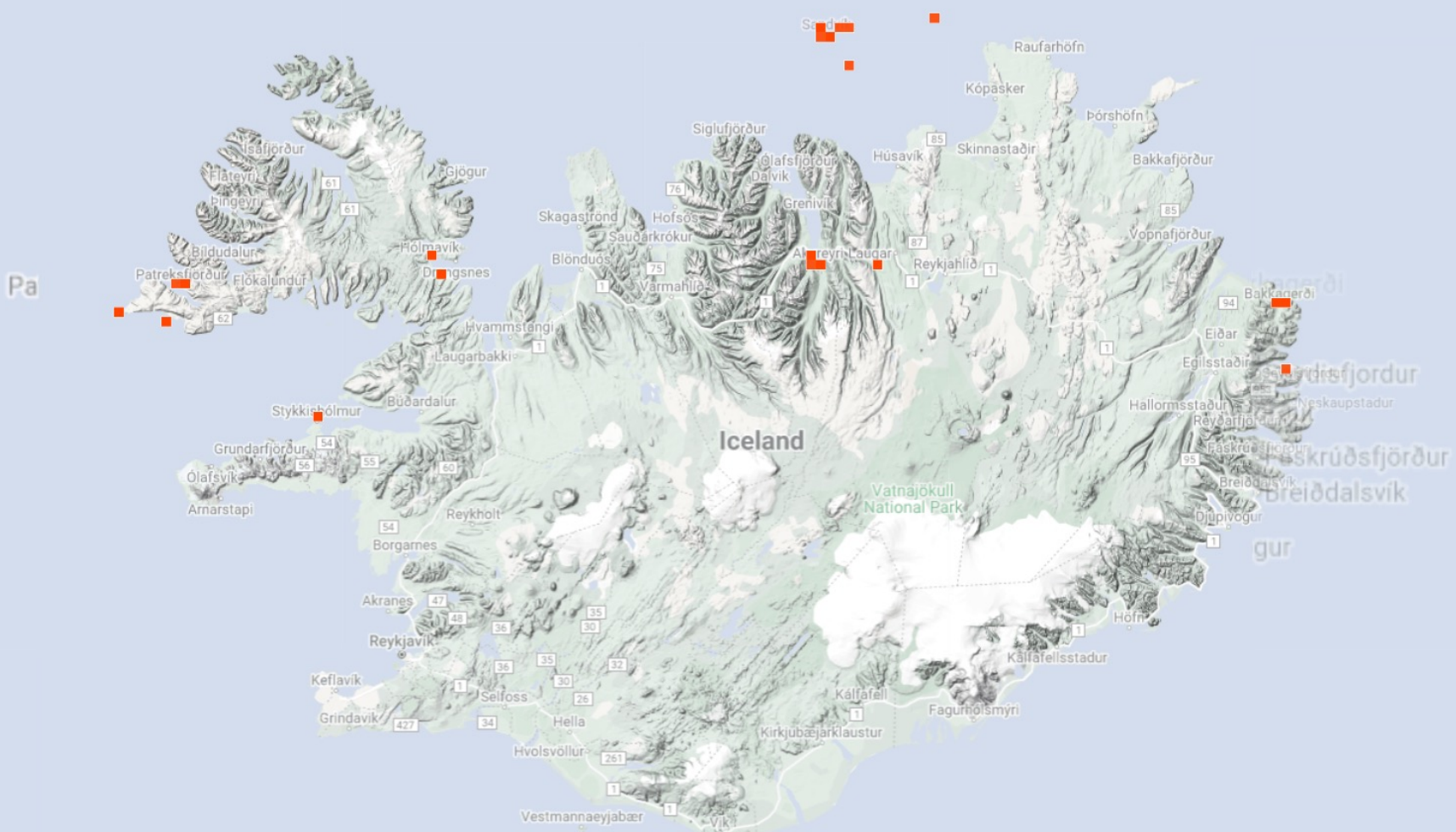
	Genus <i>Asterias</i> 1	 liangonz	Today 10:09 AM GMT	📍 Borgarfjörður, IS
	Humpback Whale <i>Megaptera novaeangliae</i> 1	 liangonz	Today 3:40 PM GMT	📍 Seyðisfjörður, IS-AL, IS
	Wild Pansy <i>Viola tricolor</i> 1	 carenadams	Today 12:10 PM GMT	📍 Iceland, Borgarfjörður eystri, Eastern Region, IS
	Rhubarbs Genus <i>Rheum</i> 2 1	 hamsterlilli	Today 10:51 AM GMT	📍 Island, Borgarfjörður eystri, Austurland, IS
	Lupines Genus <i>Lupinus</i> 1	 hamsterlilli	Today 10:18 AM GMT	📍 Island, Borgarfjörður eystri, Austurland, IS
	Roseroot <i>Rhodiola rosea</i> 1	 hamsterlilli	Today 9:34 AM GMT	📍 Island, Borgarfjörður eystri, Austurland, IS
	Moss Campion <i>Silene acaulis</i> 1	 david7225	Today 9:05 AM GMT	📍 721, Iceland
	Docks Genus <i>Rumex</i>	 clairedut	Yesterday 12:30 PM GMT	📍 Grímsey, Grímsey, Northeastern Region, IS

	Common Eider <i>Somateria mollissima</i>	 clairedut	Yesterday 11:44 AM GMT	📍 Iceland
	🛡️ 4			
	European Golden Plover <i>Pluvialis apricaria</i>	 clairedut	Yesterday 11:38 AM GMT	📍 Grímsey, Iceland
	🛡️ 3			
	Snow Bunting <i>Plectrophenax nivalis</i>	 clairedut	Yesterday 11:36 AM GMT	📍 Grímsey, Iceland
	🛡️ 2			
	Snow Bunting <i>Plectrophenax nivalis</i>	 clairedut	Yesterday 11:32 AM GMT	📍 Grímsey, Iceland
	🛡️ 1			
	Arctic Tern <i>Sterna paradisaea</i>	 clairedut	Yesterday 11:30 AM GMT	📍 Grímsey, Iceland
	🛡️ 2			
	Northern Fulmar <i>Fulmarus glacialis</i>	 clairedut	Yesterday 11:09 AM GMT	📍 Grímsey, Iceland
	🛡️ 2			
	Atlantic Puffin <i>Fratercula arctica</i>	 clairedut	Yesterday 10:48 AM GMT	📍 Grímsey, Iceland
	🛡️ 3			
	Common Snipe <i>Gallinago gallinago</i>	 clairedut	Yesterday 10:06 AM GMT	📍 Grímsey, Iceland
	🛡️ 2			

	Velvetbells <i>Bartsia alpina</i>	 clairedut	Today 11:17 AM GMT	📍 Múlaping, Iceland
	Woolly Willow <i>Salix lanata</i>	 clairedut	Today 11:17 AM GMT	📍 Múlaping, Iceland
	Genus <i>Calluna</i>	 clairedut	Today 11:13 AM GMT	📍 Múlaping, Iceland
	Alpine Lady's-Mantle <i>Alchemilla alpina</i>	 clairedut	Today 10:37 AM GMT	📍 Múlaping, Iceland
	Eight-petal Mountain-Avens <i>Dryas octopetala</i>	 clairedut	Today 10:33 AM GMT	📍 Múlaping, Iceland
	Purple Saxifrage <i>Saxifraga oppositifolia</i>	 clairedut	Today 10:33 AM GMT	📍 Múlaping, Iceland
	Research Grade 🛡️ 2			
	Least Willow <i>Salix herbacea</i>	 clairedut	Today 10:33 AM GMT	📍 Múlaping, Iceland
	Bog Bilberry <i>Vaccinium uliginosum</i>	 clairedut	Today 9:39 AM GMT	📍 Múlaping, Iceland
	Alpine Azalea <i>Kalmia procumbens</i>	 clairedut	Today 9:39 AM GMT	📍 Múlaping, Iceland

iNaturalist

Map Satellite



EVENT IN PROGRESS



MS Fridtjof Nansen FNICE2413 24 of May - 1 of Ju...

MAY 24, 2024 - JUN 1, 2024

About

Leave  10

This is the iNaturalist project for Hurtigruten MS Fridtjof Nansen The Land of Elves, Sagas and Volcanoes. Join the project and document the biodiversity of any animals and plants that you see along our cruise. Add your submissions at any moment during or after the voyage. Your observations will contribute to

[Read More >](#)

 [Your Membership](#)

PROJECT MEMBERS
ONLY

 [Project Journal](#)

Please do join the project once at home to upload your observations!

Happy Whale

This voyage was a success in terms of whale sightings:

- We have had the chance to submit 2 photo's

If you find you have any fluke photo's when you go over your photo's, do hesitate to have a go your self to upload them to Happy whale. Thank you so much for helping us gathering amazing pictures and moments!



HAPPYWHALE SUBMISSIONS



Submissions for Individual
Identification
2 Humpback Whale



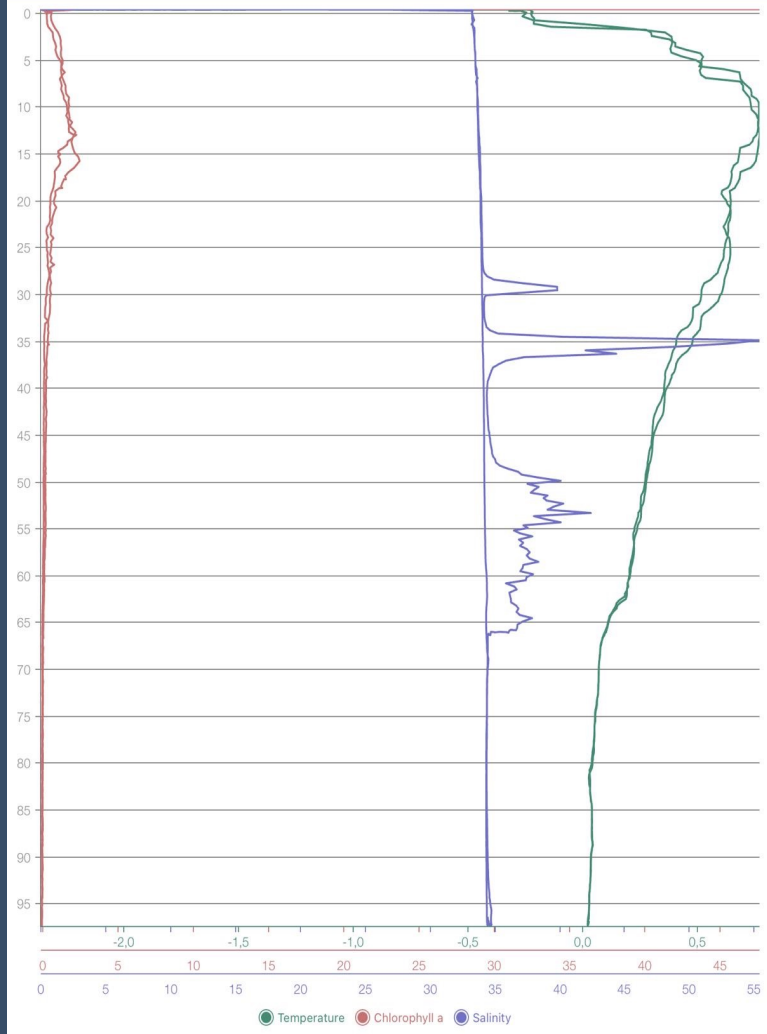


Secchi Disk

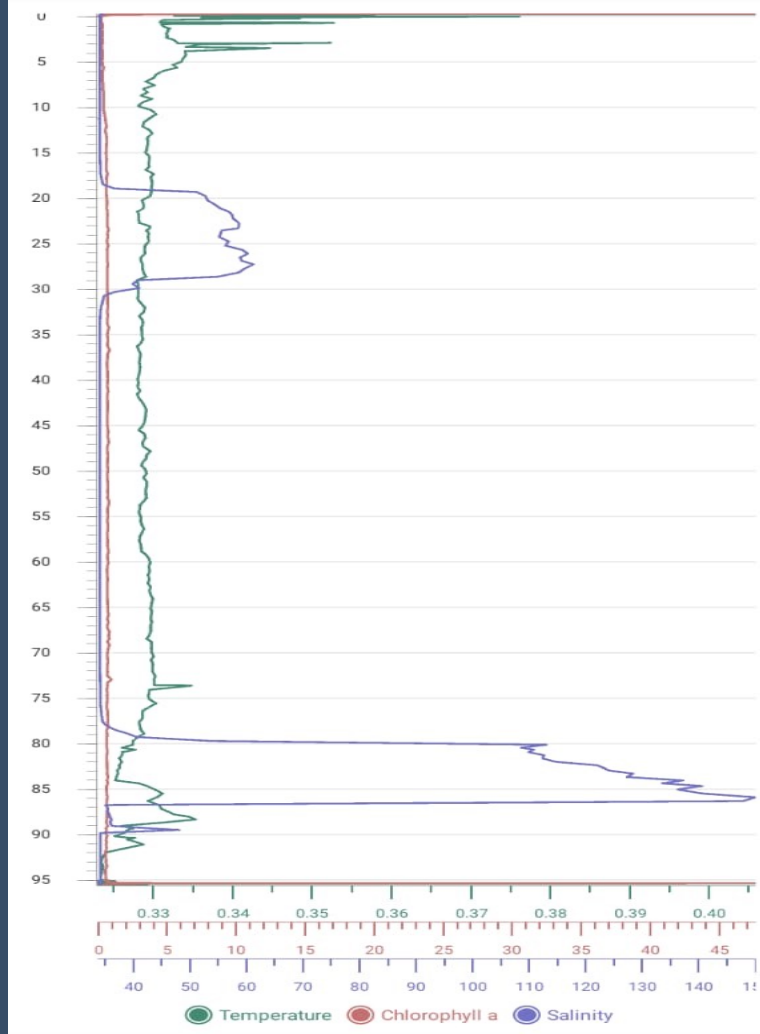
We had 6 science boat sessions during this trip in: Patreksfjörður & our exploration day in Sauðfjársetur. On each of them we did perform a secchi disk measurement to document the clarity of the water and assess the abundance of phytoplankton.

Date	Location	Depth (m)
27.05.24	Exp day	10.5

[View our data](#) submitted to the Secchi Disk Project



Half Moon Island



Danco Island



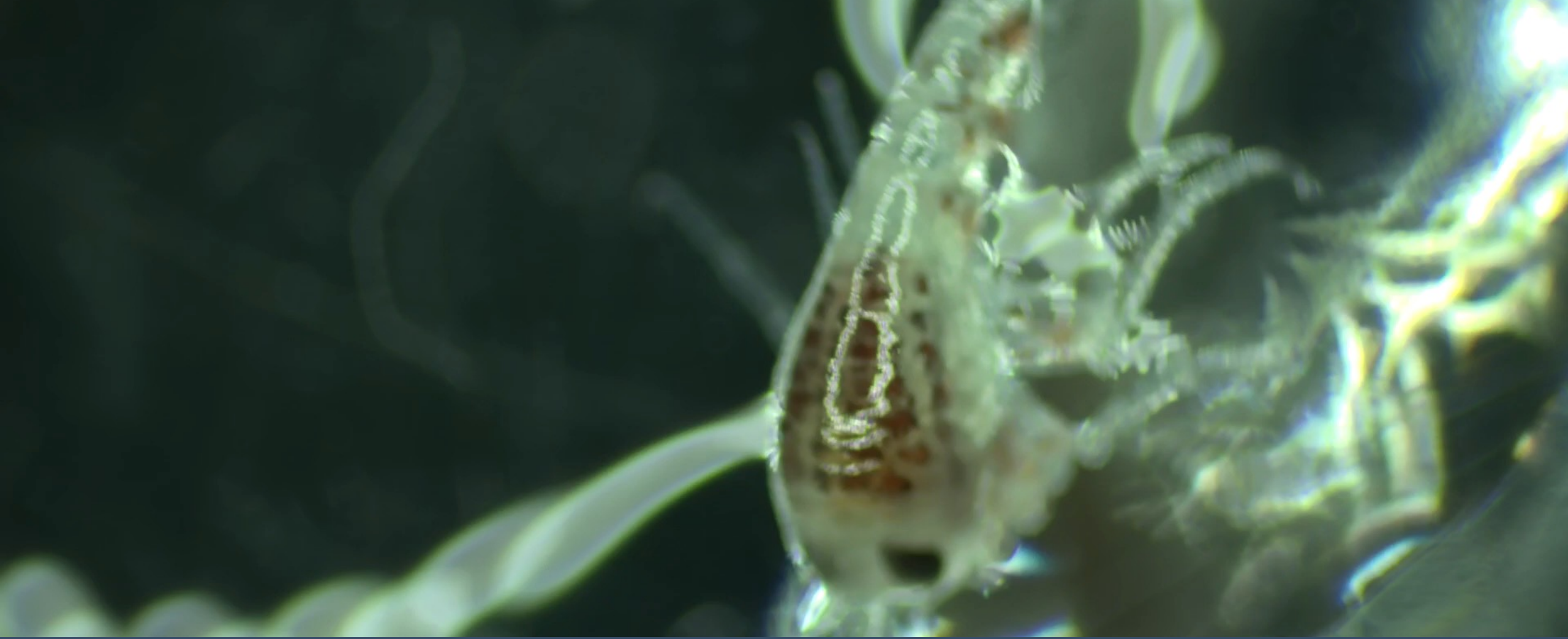
EXAMPLE CTD Profile



Plankton samples



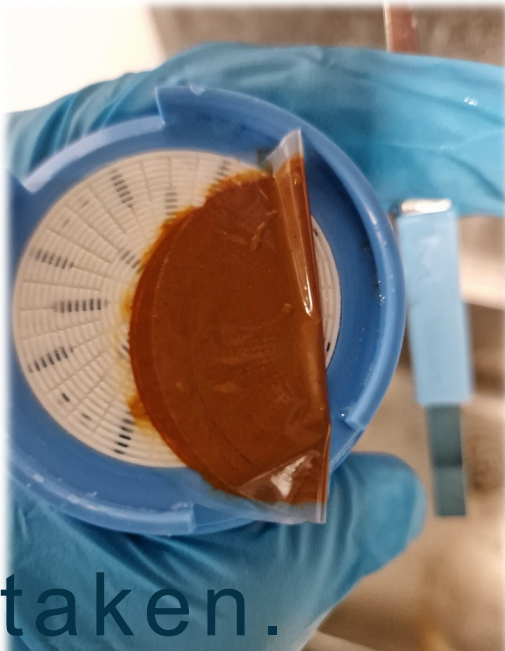
Zooplankton: crablarvae hart



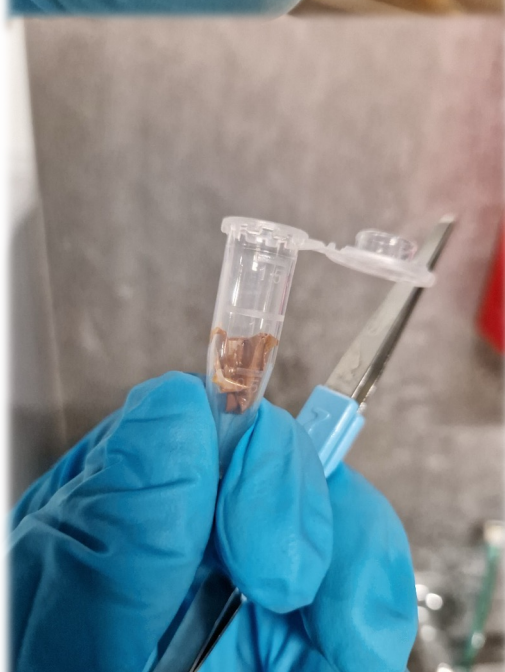
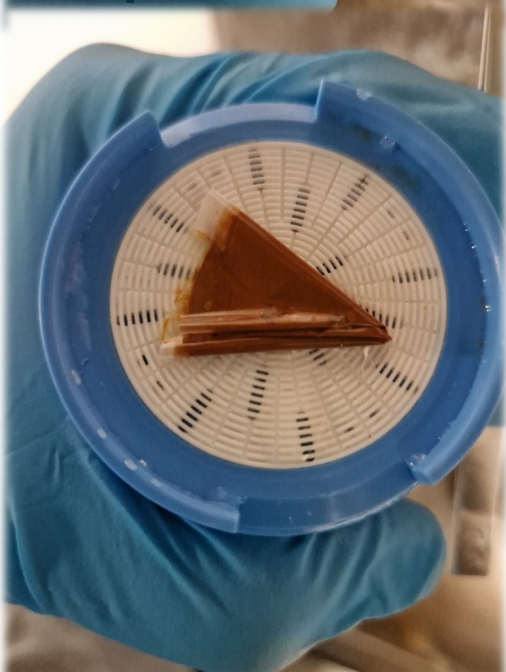
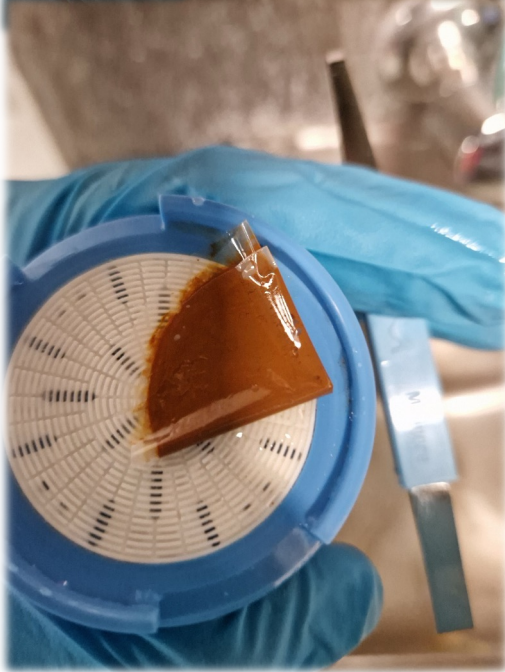
Zooplankton: Amphipod

Data is collected.





Filtersamples are taken.



Science is happening right here!



Thanks!

For you attention.

Julian Mai
Research Engineer
Alfred-Wegener-Institute
Helmholtzcentre for Polar and Marine Research
julian.mai@awi.de

Wildlife List - Birds



Ice and Circumnavigation Bird List: 24–31 May 2024

seabirds

Species					May							
Scientific Name	English	German	French	Norwegian	24	25	26	27	28	29	30	31
<i>Fulmarus glacialis</i>	Northern Fulmar	Eissturmvogel	Fulmar Boréal	Havhest	•	•	•	•	•	•	•	•
<i>Puffinus puffinus</i>	Manx Shearwater	Atlantiksturmtaucher	Puffin Des Anglais	Havlire		•						
<i>Morus bassanus</i>	Northern Gannet	Basstölpel	Fou De Bassan	Havsule	•	•		•		•	•	•
<i>Phalacrocorax aristotelis</i>	European Shag	Krähenscharbe	Cormoran Huppé	Toppskarv		•						
<i>Phalacrocorax carbo</i>	Great Cormorant	Kormoran	Grand Cormoran	Storskarv		•		•				
<i>Rissa tridactyla</i>	Black-legged Kittiwake	Dreizehenmöve	Mouette Tridactyle	Krykkje	•	•	•	•	•	•	•	•
<i>Chroicocephalus ridibundus</i>	Black-headed Gull	Lachmöve	Mouette Rieuse	Hettemåke		•	•		•			
<i>Larus marinus</i>	Great Black-backed Gull	Mantelmöve	Goéland Marin	Svartbak		•		•			•	
<i>Larus hyperboreus</i>	Glaucous Gull	Eismöve	Goéland Bourgmestre	Polarmåke		•	•					
<i>Larus glaucoides</i>	Iceland Gull	Polarmöve	Goéland Arctique	Grønlandsmåke								
<i>Larus argentatus</i>	European Herring Gull	Silbermöve	Goéland Argenté	Gråmåke	•	•		•	•		•	•
<i>Larus fuscus</i>	Lesser Black-backed Gull	Heringsmöve	Goéland Brun	Sildemåke	•	•	•	•	•		•	•
<i>Sterna paradisaea</i>	Arctic Tern	Küstenseeschwalbe	Sterne Arctique	Rødnebbterne	•	•	•	•	•	•	•	•
<i>Stercorarius skua</i>	Great Skua	Skua	Grand Labbe	Storjo							•	•
<i>Stercorarius parasiticus</i>	Arctic Skua/ Parasitic Jaeger	Schmarotzerraubmöve	Labbe Parasite	Tyvjo		•		•	•			
<i>Uria lomvia</i>	Brúnnich's Guillemot/ Thick-billed Murre	Dickschnabellumme	Guillemot De Brúnnich	Polarlomvi			•					
<i>Uria aalge</i>	Common Guillemot/ Common Murre	Trottellumme	Guillemot Marmette	Lomvi		•	•	•		•	•	•
<i>Alca torda</i>	Razorbill	Tordalk	Petit Pingouin	Alke			•	•		•		•
<i>Cephus grylle</i>	Black Guillemot	Gryllteiste	Guillemot À Miroir	Teist	•	•	•	•	•	•	•	•
<i>Fratercula arctica</i>	Atlantic Puffin	Papageitaucher	Macareux Moine	Lunde		•	•	•		•	•	•
<i>Alle alle</i>	Little Auk	Krabbentaucher	Mergule Nain	Alkekonge						•		

Waterbirds

Species					May							
Scientific Name	English	German	French	Norwegian	24	25	26	27	28	29	30	31
<i>Anser anser</i>	Greylag Goose	Graugans	Oie Cendrée	Grågås			•	•	•		•	
<i>Anser brachyrhynchus</i>	Pink-footed Goose	Kurzschnabelgans	Oie À Bec Court	Kortnebbgås					•			
<i>Cygnus cygnus</i>	Whooper Swan	Singschwan	Cygne Chanteur	Sangsvane			•	•	•			
<i>Branta leucopsis</i>	Barnacle Goose	Weißwangengans	Bernache nonnette	Hvitkinngås							•	
<i>Branta bernicla</i>	Brent Goose	Ringelgans	Bernache cravant	Ringgås		•						
<i>Mareca strepera</i>	Gadwall	Schnatterente	Canard Chipeau	Snadderand					•			
<i>Mareca penelope</i>	Eurasian Wigeon	Pfeifente	Canard Siffleur	Brunnakke					•			
<i>Mareca americana</i>	American Wigeon	Kanadapfeifente	Canard d'Amérique	Amerikablesand					•			
<i>Anas platyrhynchos</i>	Mallard	Stockente	Canard Colvert	Stokkand			•	•	•		•	
<i>Anas crecca</i>	Eurasian Teal	Krickente	Sarcelle D'hiver	Krikkand					•			
<i>Aythya fuligula</i>	Tufted Duck	Reiherente	Fuligule Morillon	Toppand					•			
<i>Aythya marila</i>	Greater Scaup	Bergente	Fuligule Milouinan	Bergand					•			
<i>Somateria mollissima</i>	Common Eider	Eiderente	Eider À Duvet	Ærfugl	•	•	•	•	•	•	•	•
<i>Histrionicus histrionicus</i>	Harlequin Duck	Kragenente	Arlequin Plongeur	Harlekinand				•	•		•	
<i>Clangula hyemalis</i>	Long-tailed Duck	Eisente	Harelde Kakawi	Havelle					•			
<i>Bucephala islandica</i>	Barrow's Goldeneye	Spatelente	Garrot d'Islande	Islandsand					•			
<i>Mergus merganser</i>	Goosander	Gänsesäger	Grand Harle	Laksand			•					
<i>Mergus serrator</i>	Red-breasted Merganser	Mittelsäger	Harle Huppé	Siland		•		•				
<i>Gavia stellata</i>	Red-throated Diver/ Red-throated Loon	Sterntaucher	Plongeon Catmarin	Smålom	•	•						
<i>Podiceps auritus</i>	Slavonian Grebe/ Horned Grebe	Ohrentaucher	Grèbe Esclavon						•			
<i>Haematopus ostralegus</i>	Eurasian Oystercatcher	Austernfischer	Huïtrier Pie	Tjeld		•	•	•	•	•	•	•
<i>Pluvialis apricaria</i>	European Golden Plover	Goldregenpfeifer	Pluvier Doré	Heilo		•		•	•	•	•	•
<i>Charadrius hiaticula</i>	Common Ringed Plover	Sandregenpfeifer	Pluvier Grand-Gravelot	Sandlo		•		•		•		
<i>Numenius phaeopus</i>	Whimbrel	Regenbrachvogel	Courlis Corlieu	Småspove			•	•	•	•	•	
<i>Limosa limosa</i>	Black-tailed Godwit	Uferschnepfe	Barge À Queue Noire	Svarthalespove				•	•	•	•	•
<i>Arenaria interpres</i>	Ruddy Turnstone	Steinwälzer	Tournepievre À Collier	Steinvender		•	•	•		•		

<i>Calidris canutus</i>	Red Knot	Knutt	Bécasseau Maubèche	Polarsnipe		•		•		•		
<i>Calidris alpina</i>	Dunlin	Alpenstrandläufer	Bécasseau Variable	Myrsnipe				•		•		
<i>Calidris maritima</i>	Purple Sandpiper	Meerstrandläufer	Bécasseau Violet	Fjæreplytt				•				
<i>Gallinago gallinago</i>	Common Snipe	Bekassine	Bécassine Des Marais	Enkeltbekkasin		•	•	•	•	•	•	•
<i>Phalaropus lobatus</i>	Red-necked Phalarope	Odinshühnchen	Phalarope À Bec Étroit	Svømmesnipe				•	•	•		
<i>Tringa totanus</i>	Common Redshank	Rotschenkel	Chevalier Gambette	Rødstilk		•	•	•	•	•	•	•

Landbirds

Species					May							
Scientific Name	English	German	French	Norwegian	24	25	26	27	28	29	30	31
<i>Lagopus muta</i>	Rock Ptarmigan	Alpenschneehuhn	Lagopède Alpin	Fjellrype				•	•			
<i>Columba livia</i>	Rock Dove/ Feral Pigeon	Felsentaube	Pigeon Biset	Klippedue (Bydue)	•							•
<i>Corvus corax</i>	Northern Raven	Kolkrabe	Grand Corbeau	Ravn		•	•	•	•		•	•
<i>Sturnus vulgaris</i>	Common Starling	Star	Étourneau Sansonnet	Stær	•	•	•	•	•		•	•
<i>Turdus merula</i>	Common Blackbird	Amsel	Merle Noir	Svarttrost		•						
<i>Turdus iliacus</i>	Redwing	Rotdrossel	Grive Mauvis	Rødvingetrost		•	•	•	•	•	•	•
<i>Oenanthe oenanthe</i>	Northern Wheatear	Steinschmätzer	Traquet Motteux	Steinskvett			•		•	•	•	•
<i>Passer domesticus</i>	House Sparrow	Hausperling	Moineau Domestique	Gråspurv	•							
<i>Motacilla alba</i>	White Wagtail	Bachstelze	Bergeronnette Grise	Linerle			•	•		•	•	•
<i>Anthus pratensis</i>	Meadow Pipit	Wiesenpieper	Pipit Farlouse	Heipiplerke		•	•	•	•	•	•	•
<i>Hirundo rustica</i>	Barn Swallow	Rauchschwalbe	Hirondelle rustique	Låvesvale						•		
<i>Plectrophenax nivalis</i>	Snow Bunting	Schneeammer	Plectrophenax Des Neiges	Snøspurv						•		

Wildlife

List - Marine Mammals



Itinerary/Route:

24/05: Reykjavik

25/05: Stykkisholmur

26/05: Patreksfjordur

27/05: Saudfjærsetur

28/05: Akureyri

29/05: Grimsey

30/05: Bakkagardi

31/05: Heimaey



IX

**Connect with your
inner scientist**