

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. In the bottom right corner, there is a small white logo consisting of a stylized 'H' and 'X' combined.

Science & Education Report

MS FRIDTJOF NANSEN

16th May
2024 – 24th
May 2024

FNICE2404





Science & education program

During this voyage, we ran 4 citizen science projects in total: Nasa Cloud Globe Observer, eBird, Happy Whale, and Inaturalist. You were able to enrich your mind with 8 lectures and tiny talks on different topics from birds to whales, to rocks. You also took part in 19 discovery sessions and activities we organised.

You showed a lot of interest in the scientific aspect of our voyage and we thank you all for your enthusiasm. Here we provide a resume of our science activities.



Lectures, Discovery sessions, & Activities

8 Lectures

19 Discovery sessions &
Activities



Wildlife Watch

41 Species:

5 Mammals

36 Birds



4 Checklists
36 species observed

60 bird species seen altogether on trip



Greylag Goose	8	Black-legged Kittiwake	86
Mallard	10	Black-headed Gull	1
Common Eider	185	Herring Gull	28
Harlequin Duck	6	Great Black-backed Gull	1
Red-breasted Merganser	4	Glaucous Gull	1
Eurasian Oystercatcher	8	Lesser Black-Backed Gull	7
European Golden Plover	5	Arctic Tern	55
Common Ringed Plover	14	Northern Fulmar	823
Whimbrel	2	Northern Gannet	5
Black-tailed Godwit	2	Great Cormorant	3
Common Snipe	5	Common Raven	1
Red-necked Phalarope	7	Redwing	2
Common Redshank	13	Northern Wheatear	1
Ruddy Turnstone	60	Common Raven	1
Red Knot	450	Redwing	2
Dunlin	50	Northern Wheatear	1
Purple Sandpiper	2	White Wagtail	1
Atlantic Puffin	64	Meadow Pipit	2
Black Guillemot	80		
Razorbill	2		
Common Guillemot/Murre	18	Large Auk species	9

At least 2,023 individuals of 39 species were logged into eBird

5 duck & goose sp.
 12 wader/shorebird sp.
 15 seabird sp.
 6 landbird sp.

Most abundant species



Northern Fulmar

Red Knot

Common Eider

Black-legged Kittiwake

Black Guillemot



823

450

185

86

80

Trip Report on eBird

eBird

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My Trip Reports

FNICE2404 Fridtjof Nansen Iceland Circumnavigation 16 May 2024 - 25 May 2024

16 – 25 May 2024 (10 days) Public

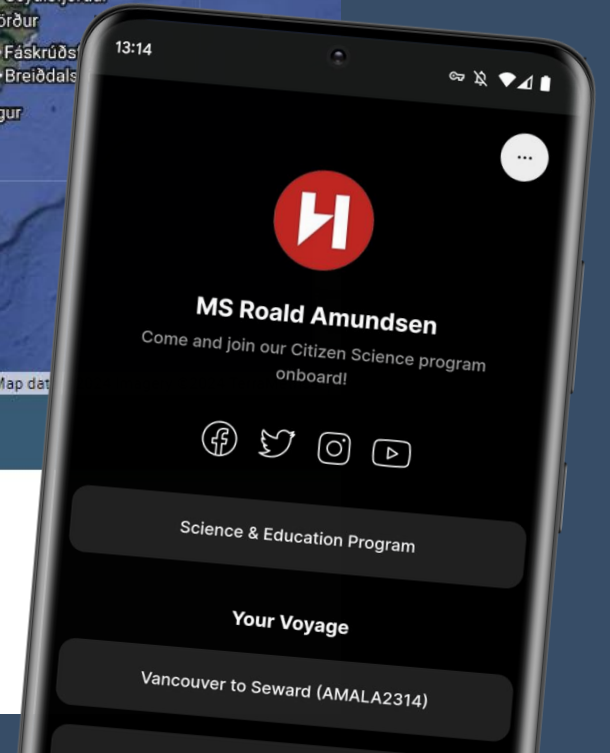
Iceland

Vesturland | Vestfirðir | Norðurland eystra

Simon Delany

Share

Edit



Narrative

Owners and editors of a Trip Report may write a narrative.

Add narrative

36

Species Observed

+1 other taxa

4

Checklists



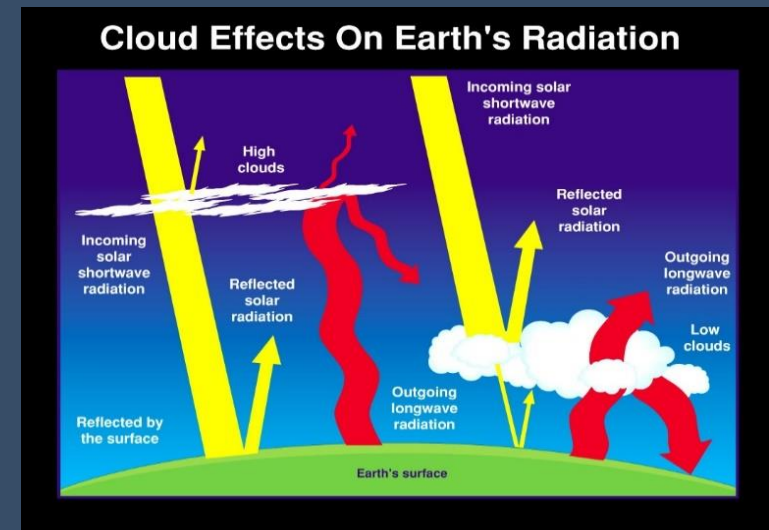
NASA Cloud Observer

You were quite a few to assist during our observations. We did 1 cloud observation in total during this voyage, resulting in 1 submission and 20 participants overall.

[View our data](#) on the global map

Why did we observe clouds?

- Clouds affect the Earth's temperature and its climate
- Satellites sometimes have a hard time detecting details and certain cloud types
- Our observations are needed to ground-truth satellite data





NASA cloud observer

1 Observation Locations recorded.

[View our data](#) on the global map



Workshop sessions

What Did We See Today Sessions

We gave a couple sessions throughout this trip where we highlighted different species we had seen on that particular day.

Topics ranged from seabirds, to whales, to geological formations.



Whale bones and whale sounds

We joined our Marine Biologist Lilia and our ORCA representative Michaela on an hour long workshop where they shared their expertise on whale bones and how whales produce sounds.

You had the opportunity to listen to different cetacean species and fully immerse yourselves in the world of whales!





Science Boat

We went out once
and picked 2
plankton samples
from Patreksfjörður

©Claire Dutilleul



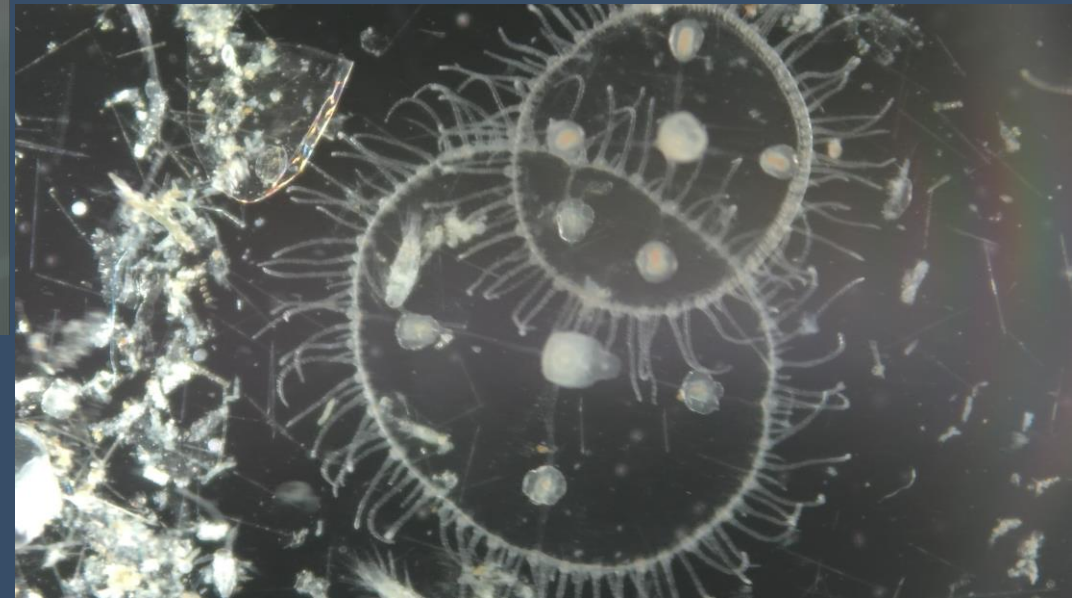
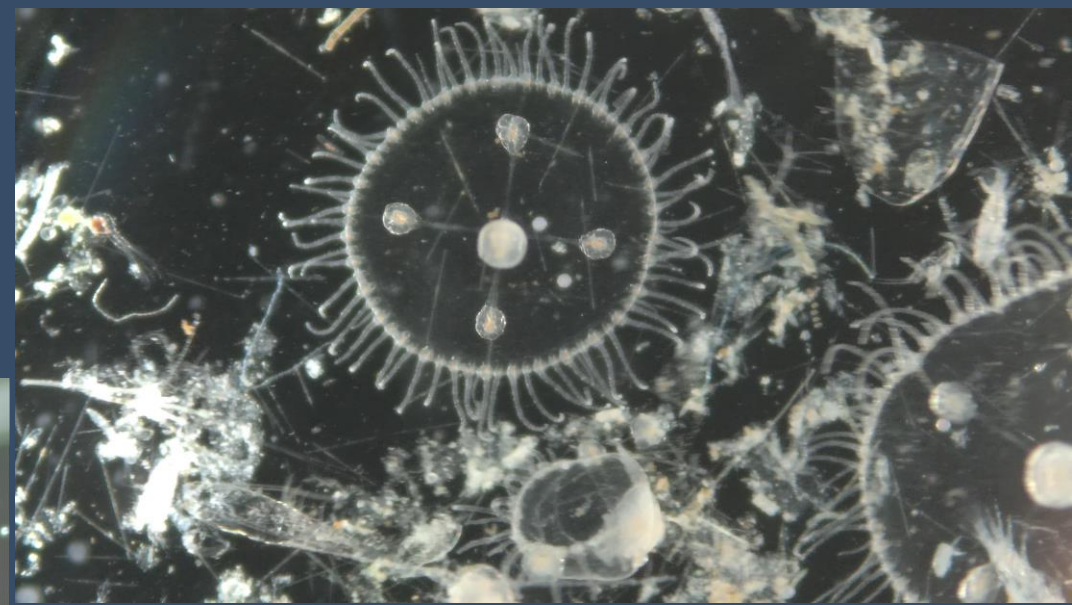
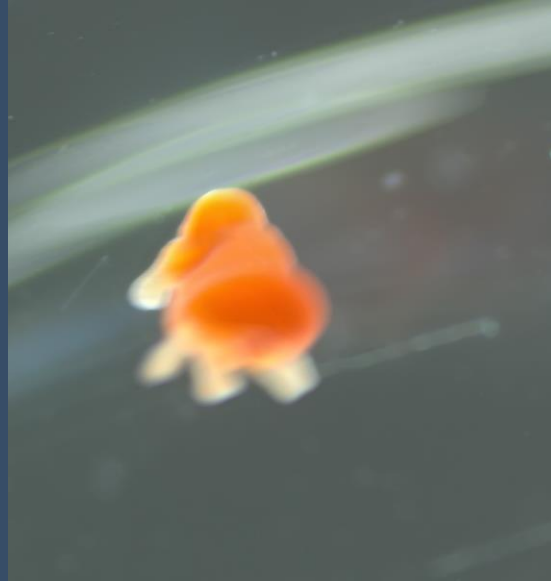
©Mario
Reichenbach



Microscope sessions

We did one session where we analysed the plankton we picked on our science boat trip.

The sample from Patreksfjordur was full of zooplankton life, such as these jellyfish and sea slug (nudibranch) here.



EVENT IN PROGRESS



FNICE20404 Circumnavigating Iceland

MAY 16, 2024 - MAY 24, 2024

About

Leave 7

Shared observations from guests and Expedition Team onboard Hurtigruten Expeditions MS Fridtjof Nansen during the nine-day long expedition cruise "Circumnavigating Iceland - The Land of Elves, Sagas and Volcanoes" from 16th May to 24th May 2024.

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[Project Journal](#)

Overview

53
OBSERVATIONS

36
SPECIES

8
IDENTIFIERS

4
OBSERVERS

[Stats](#)

Recent Observations

[View All](#)

RG



Atlantic Puffin
Fratercula arctica

2 h



Alpine Lady's-Mantle
Alchemilla alpina

1 2h



Black Crowberry
Empetrum nigrum

1 2h



Nootka Lupine
Lupinus nootkatensis

1 2h

iNaturalist





3 observations CC

Scurvy Grass
(*Cochlearia officinalis*)



3 observations CC

Black Crowberry
(*Empetrum nigrum*)



3 observations CC

Nootka Lupine
(*Lupinus nootkatensis*)



2 observations CC

Arctic Tern
(*Sterna paradisaea*)



2 observations CC

Atlantic Puffin
(*Fratercula arctica*)



2 observations CC

Common Eider
(*Somateria mollissima*)



2 observations CC

Fungi Including Lichens
(Kingdom Fungi)



2 observations CC

American Dune Grass
(*Leymus mollis*)



2 observations CC

Alpine Lady's-Mantle
(*Alchemilla alpina*)



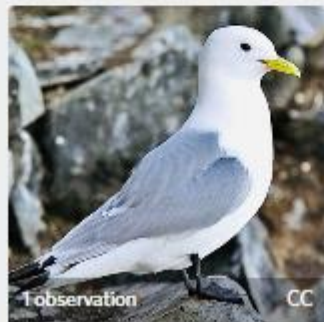
1 observation CC

Ruddy Turnstone
(*Arenaria interpres*)



1 observation CC

Northern Fulmar
(*Fulmarus glacialis*)



1 observation CC

Black-legged Kittiwake
(*Rissa tridactyla*)



1 observation CC

Common Loon
(*Gavia immer*)



1 observation CC

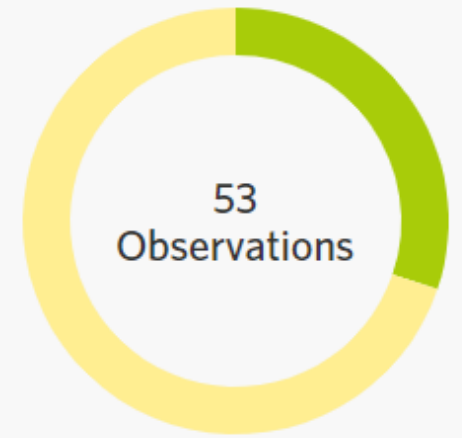
Eurasian Oystercatcher
(*Haematopus ostralegus*)



1 observation CC

European Golden Plover
(*Pluvialis apricaria*)

Stats →



- Research Grade
- Needs ID
- Casual



1 observation CC

Mallard
(*Anas platyrhynchos*)



1 observation CC

Greylag Goose
(*Anser anser*)



1 observation CC

White Wagtail
(*Motacilla alba*)



1 observation CC

Common Minke Whale
(*Balaenoptera acutorostrata*)



1 observation CC

Humpback Whale
(*Megaptera novaeangliae*)



1 observation CC

Harbor Seal
(*Phoca vitulina*)



1 observation CC

Pines
(Genus *Pinus*)



1 observation CC

Common Dandelion
(*Taraxacum officinale*)



1 observation CC

Common Yarrow
(*Achillea millefolium*)



1 observation CC

Meadow Buttercup
(*Ranunculus acris*)



1 observation CC

Sea Thrift
(*Armeria maritima*)



1 observation ©

Garden Angelica
(*Angelica archangelica*)



1 observation CC

Black Mussels
(Genus *Mytilus*)



1 observation CC

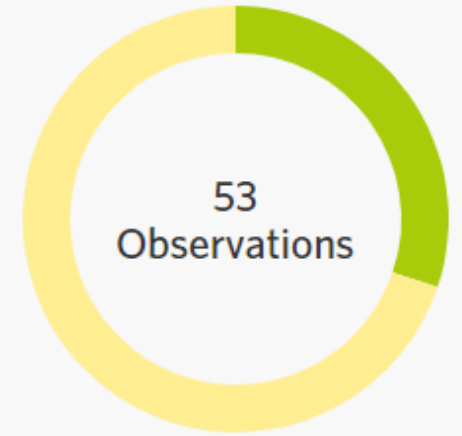
Alpine Sorrel
(*Oxyria digyna*)



1 observation ©

Roseroot
(*Rhodiola rosea*)

Stats →



53
Observations

- Research Grade
- Needs ID
- Casual



1 observation



Wood Crane's-Bill
(*Geranium sylvaticum*)



1 observation

CC

Downy Birch
(*Betula pubescens*)



1 observation

CC

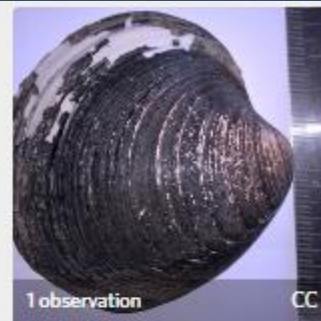
Sea Sandwort
(*Honckenya peploides*)



1 observation



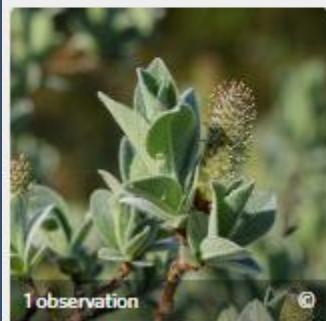
Northern Dock
(*Rumex longifolius*)



1 observation



Ocean Quahog
(*Arctica islandica*)

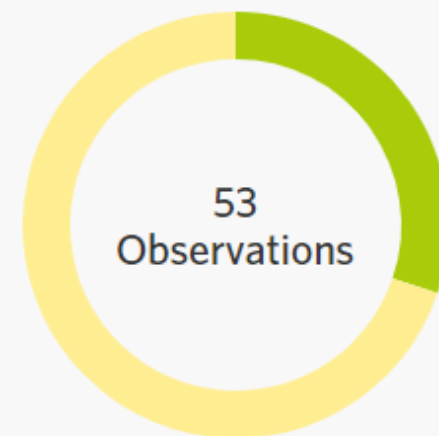


1 observation



Woolly Willow
(*Salix lanata*)

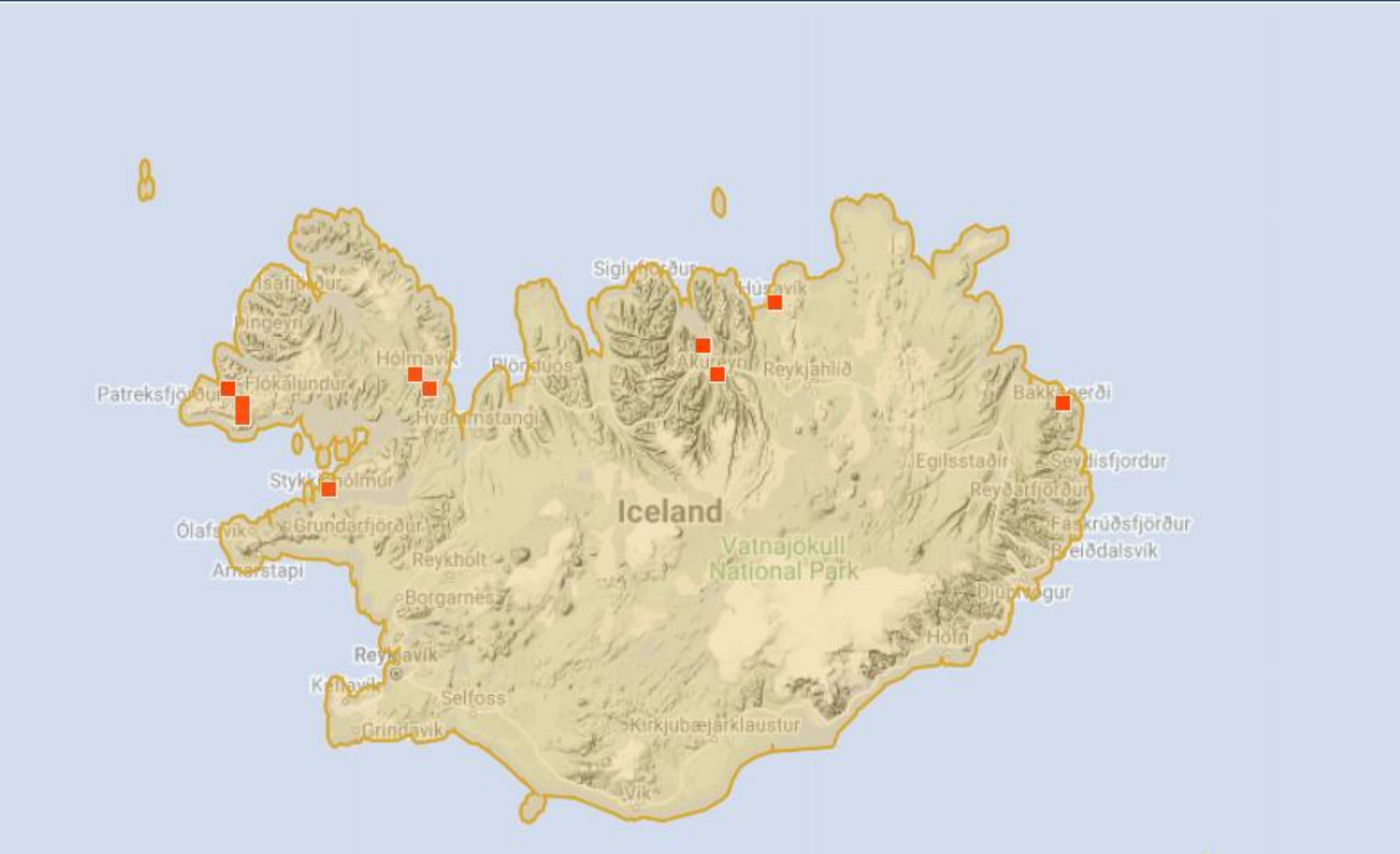
Stats →



53
Observations

- Research Grade
- Needs ID
- Casual

iNaturalist



EVENT IN PROGRESS



FNICE20404 Circumnavigating Iceland

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ONLY

 [Project Journal](#)

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

HAPPYWHALE SUBMISSIONS



Submissions for Individual
Identification:
1 Humpback Whale

Photo: Simon Delany

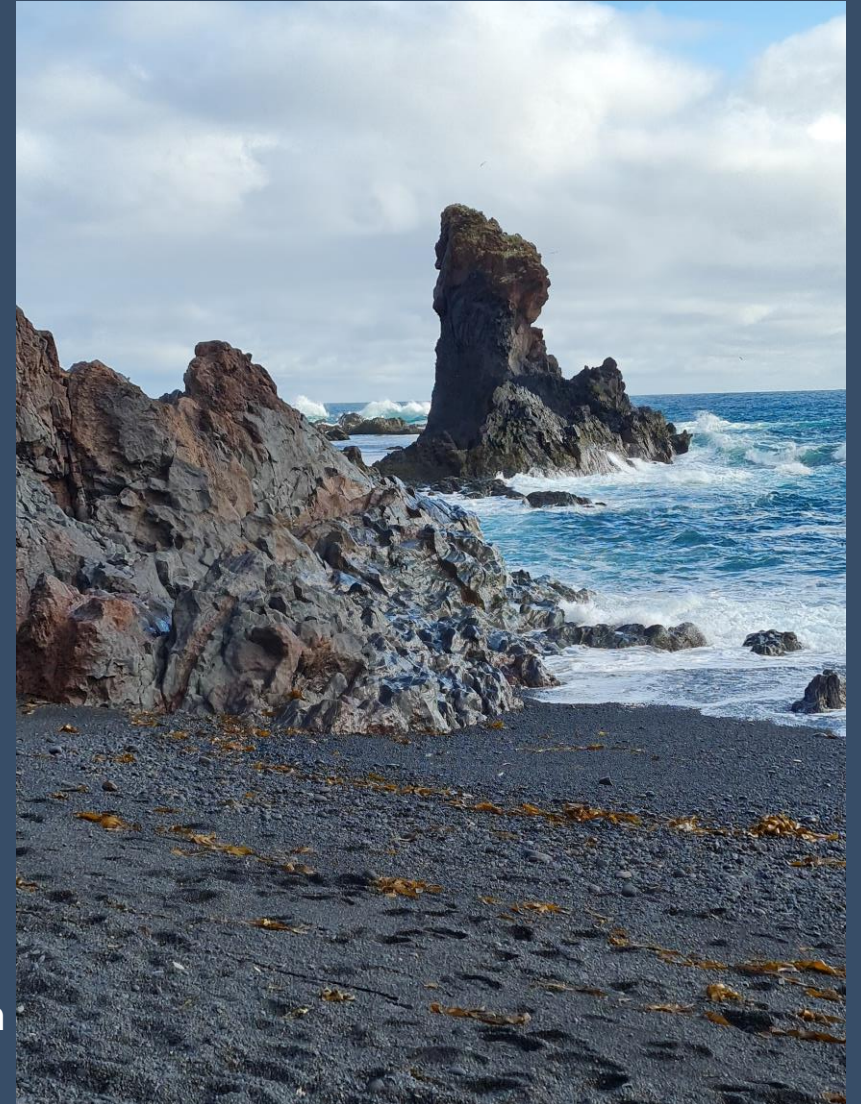
Geology of Iceland

The main topic in Iceland however, were the different landscape features caused by basaltic volcanism of mid ocean ridges and hot spots:



In Patreksfjordur we dealt with the landforming forces of glaciers during the last ice ages which formed the flattened mountains there.

lava rocks and black sands in
Snaefellsness peninsula





Basaltic columns in Snæfellsness peninsula and Akureyri

Craters of volcanic scoria and tephra in Snæfellsness peninsula and Heimaey island



Additionally we learned about geothermal fields of Iceland as proof for the ongoing volcanic activity and as important energy source in Iceland.



Sulfur springs/Akureyri



On the way out of Bakkagerdi we also took advantage of the sighting of a fog bow to talk about optical phenomena in the Arctic.

Wildlife List - Birds



ICELAND CIRCUMNAVIGATION BIRD LIST: 16 - 24 MAY 2024

SEABIRDS

SPECIES					MAY							
SCIENTIFIC NAME	ENGLISH	GERMAN	FRENCH	NORWEGIAN	16	17	18	19	20	21	22	23
<i>Fulmarus glacialis</i>	Northern Fulmar	Eissturmvogel	Fulmar Boréal	Havhest	•	•	•	•	•	•	•	•
<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	Dreizehenmöwe	Mouette Tridactyle	Krykkje	•	•	•	•	•	•	•	•
<i>Chroicocephalus ridibundus</i>	Black-headed Gull	Lachmöwe	Mouette Rieuse	Hettemåke		•		•	•	•		•
<i>Larus marinus</i>	Great Black-backed Gull	Mantelmöwe	Goéland Marin	Svartbak				•				•
<i>Larus hyperboreus</i>	Glaucous Gull	Eismöwe	Goéland Bourgmestre	Polarmåke			•	•		•		•
<i>Larus argentatus</i>	European Herring Gull	Silbermöwe	Goéland Argenté	Gråmåke	•	•		•	•	•	•	•
<i>Larus fuscus</i>	Lesser Black-backed Gull	Heringsmöwe	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	Schmarotzerraubmöwe	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		•	•	•	•	•	•	•

WATERBIRDS

SPECIES					MAY							
SCIENTIFIC NAME	ENGLISH	GERMAN	FRENCH	NORWEGIAN	16	17	18	19	20	21	22	23
<i>Anser anser</i>	Greylag Goose	Graugans	Oie Cendrée	Grågås	*		*	*	*		*	
<i>Anser brachyrhynchus</i>	Pink-footed Goose	Kurzschnebelgans	Oie À Bec Court	Kortnebbgås					*			
<i>Cygnus cygnus</i>	Whooper Swan	Singschwan	Cygne Chanteur	Sangsvane			*		*			
<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 serrator</i>	Red-breasted Merganser	Mittelsäger	Harle Huppé	Siland				*	*			
<i>Gavia stellata</i>	Red-throated Diver/ Red-throated Loon	Sternaucher	Plongeon Catmarin	Smålom					*			
<i>Gavia immer</i>	Great Northern Diver/ Common Loon	Eistaucher	Plongeon Huard	Islom				*				
<i>Podiceps auritus</i>	Slavonian Grebe/ Horned Grebe	Ohrentaucher	Grèbe Esclavon						*			
<i>Haematopus ostralegus</i>	Eurasian Oystercatcher	Austernfischer	Huitrier Pie	Tjeld		*	*	*	*	*	*	*
<i>Vanellus vanellus</i>	Common Lapwing	Kiebitz	Vanneau huppé	Vipe						*		
<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	Tournepieuvre 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	16	17	18	19	20	21	22	23
<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>Acanthis flammea</i>	Common Redpoll	Birkenzeisig	Sizerin Flammé	Gråsisik						*		

Wildlife

List - Mammals



MAY 16-28/2024. CIRCUMNAVIGATING ICELAND WILDLIFE LIST

MARINE MAMMALS

BALEEN WHALES				MAY													
SCIENTIFIC NAME	ENGLISH	GERMAN	FRENCH	16	17	18	19	20	21	22	23	24	25	26	27	28	
<i>Balaenoptera acustorostrata</i>	Common Minke whale	Zwegwal	Petit rorqual	X				X									
<i>Balaenoptera borealis</i>	Sei whale	Seiwal	Rorqual boréal														
<i>Balaenoptera physalus</i>	Fin whale	Finnwal	Rorqual commun														
<i>Balaenoptera musculus</i>	Blue whale	Blauwal	Baleine bleue														
<i>Eubalena glacialis</i>	North Atlantic Right whale	NordkaperNordatlantischer	Baleine franche														
<i>Balaena mysticetus</i>	Bowhead whale	Grönlandwal	Baleine boréale														
<i>Megaptera novaeanglie</i>	Humpback whale	Buckelwal	Rorqual à bosse				X	X	X								
TOOTHED WHALES																	
SCIENTIFIC NAME	ENGLISH	GERMAN	FRENCH														
<i>Physeter macrocephalus</i>	Sperm whale	Pottwal	Cachalot														
<i>Ziphius cavirostris</i>	Cuvier's Beaked whale	Cuvier-Schnabelwal	Baleine à bec de Cuvier.														
<i>Hyperoodon ampullatus</i>	Northern Bottlenose whale	Nördlicher Entenwal	L'Hypéroodon boréa														
<i>Mesoplodon densirostris</i>	Blainville's Beaked whale	Blainville-Schnabelwal	Baleine à bec de Blainville														
<i>Mesoplodon bidens</i>	Sowerby's Beaked whale	Sowerbys WalFlosser	mesoplodon de Sowerbydauphin														
<i>Orcinus orca</i>	Killer whale	Scwertwal	Orque														

<i>Globicephala macrorhynchus</i>	Long-finned Pilot whale	Grindwal	Globicéphale noir																
<i>Grampus griseus</i>	Risso's dolphin	Dolfijn van Risso	Dauphin de Risso																
<i>Tursiops truncatus</i>	Bottlenose dolphin	Großer Tümmler	Dauphin souffleur																
<i>Lagenorhynchus acutus</i>	Atlantic White-sided dolphin	Atlantischer Weißseitendelfin	Dauphin À Flancs Blancs																
<i>Lagenorhynchus albirostris</i>	White-beaked dolphin	Weißschnauzendelfin	Dauphin à bec Blanc																
<i>Phocoena phocoena</i>	Harbour porpoise	Schweinswal	Marsouin commun							X									

PINNIPEDS

SCIENTIFIC NAME	ENGLISH	GERMAN	FRENCH																
<i>Halichoerus grypus</i>	Gray seal	Kegelrobbe	Phoque gris		X	X	X												
<i>Phoca vitulina</i>	Harbour seal, common seal	Gemeiner Seehund	Phoque veau-marin		X														

LAND MAMMALS

SCIENTIFIC NAME	ENGLISH	GERMAN	FRENCH	MAY															
				16	17	18	19	20	21	22	23	24	25	26	27	28			
<i>Vulpes lagopus</i>	Arctic fox	Polarfuchs	Renard arctique																

Thank you for your participation!



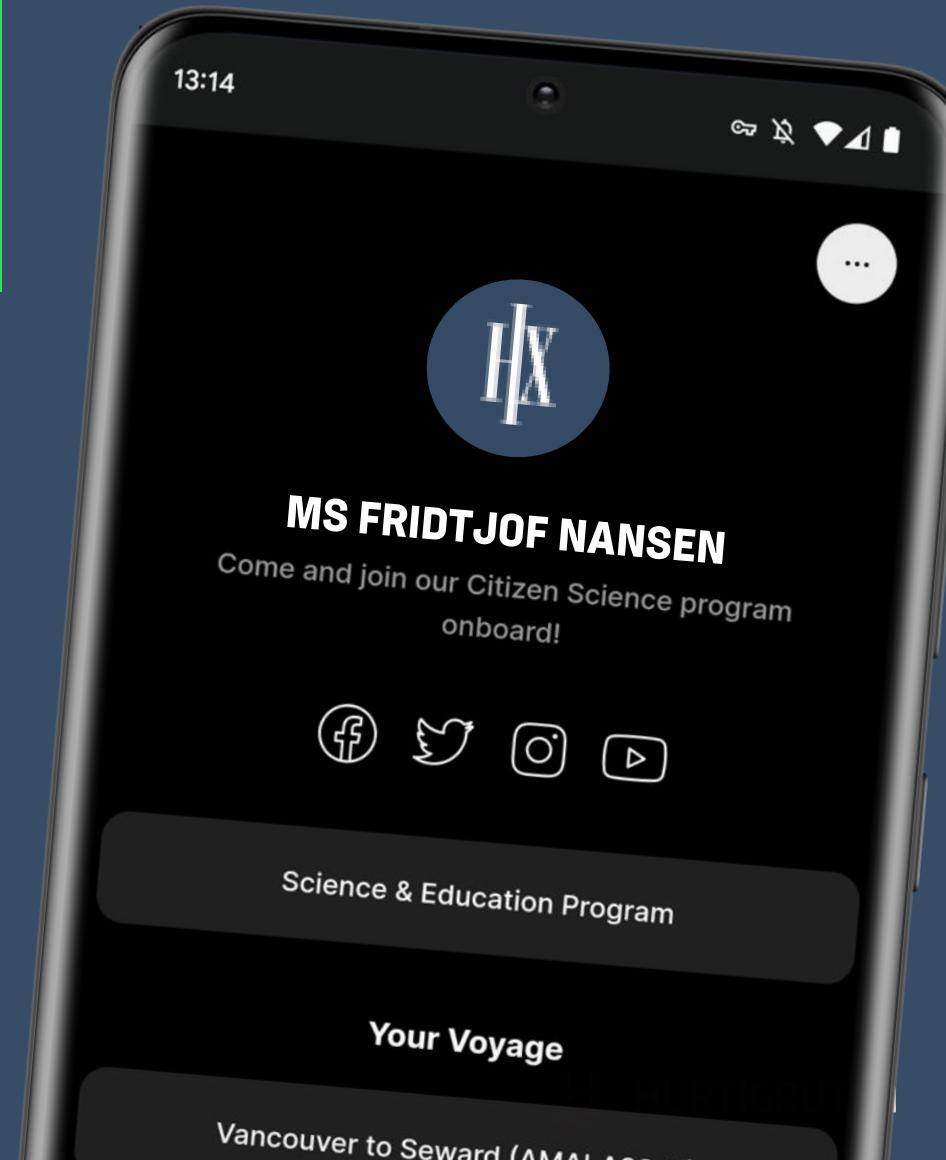


LINKTREE

Citizen Science Program

Find all information about the projects, downloads and our digital wildlife list here:

linktr.ee/msfridtjofnansen



THE X

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