

The background image is a wide-angle landscape photograph of a rugged coastline. On the left, a steep, dark rock cliff rises from a small, dark pebble beach. A thin waterfall cascades down the face of the cliff into a small pool. The cliff is covered in patches of green moss and lichen. In the foreground, some low-lying green and purple vegetation is visible. The sea is a deep blue-grey, with several white icebergs floating in the distance. The sky is overcast with soft, grey clouds. A large, semi-transparent white 'IX' is overlaid on the right side of the image.

# Science & Education Logbook



# MS FRIDTJOF NANSEN

Grand  
Greenland

22<sup>nd</sup> of June –  
02<sup>nd</sup> of July 2025







# Science & education program

During this voyage, we ran **7 citizen science** projects in total: eBird, HappyWhale, Inaturalist, Nasa Cloud observer, SecchiDisk project & IceEco. You were able to enrich your mind with **18 lectures** on different topics from birds to rocks. You also took part in the **12 discovery sessions** we put on. Just as you had the chance to talk to our guest lecturer Tom Hale.

We had an amazing Cultural Ambassador with us onboard that talked about the different regions we sailed through from a more personal perspective.

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.





# Lectures & Discovery sessions

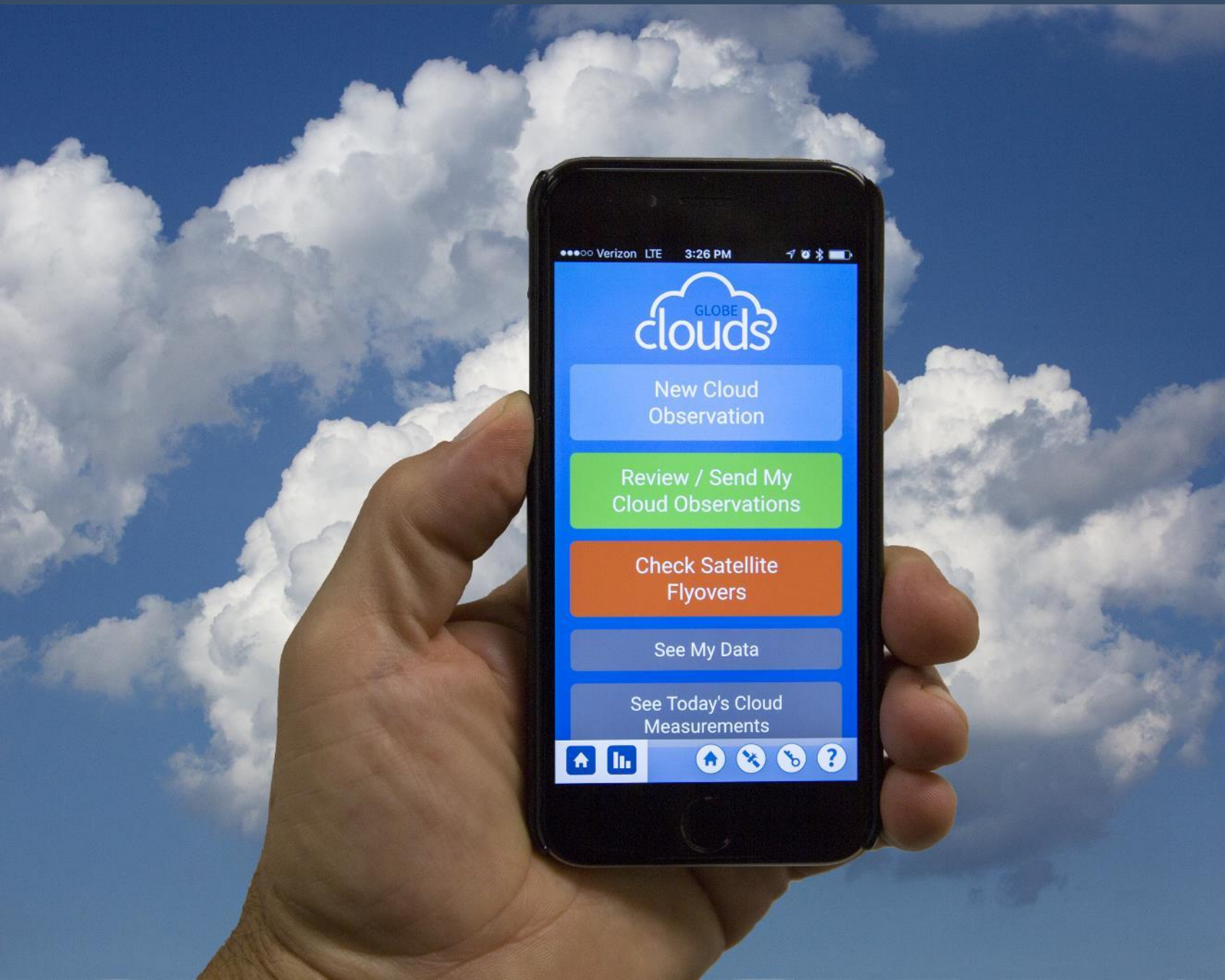
- 18 Lectures
- 12 Discovery sessions
- 7 Citizen science projects
- 9 Science boats
- 1 Guest Scientist project





# Wildlife Watch

**38 Species:**  
6 Mammals  
32 Birds



# NASA Cloud Observer

On this Grand Greenland Cruise with MS Fridtjof Nansen, we conducted 2 Clouds Observations that we were able to send to NASA so they can try and match them with satellites.

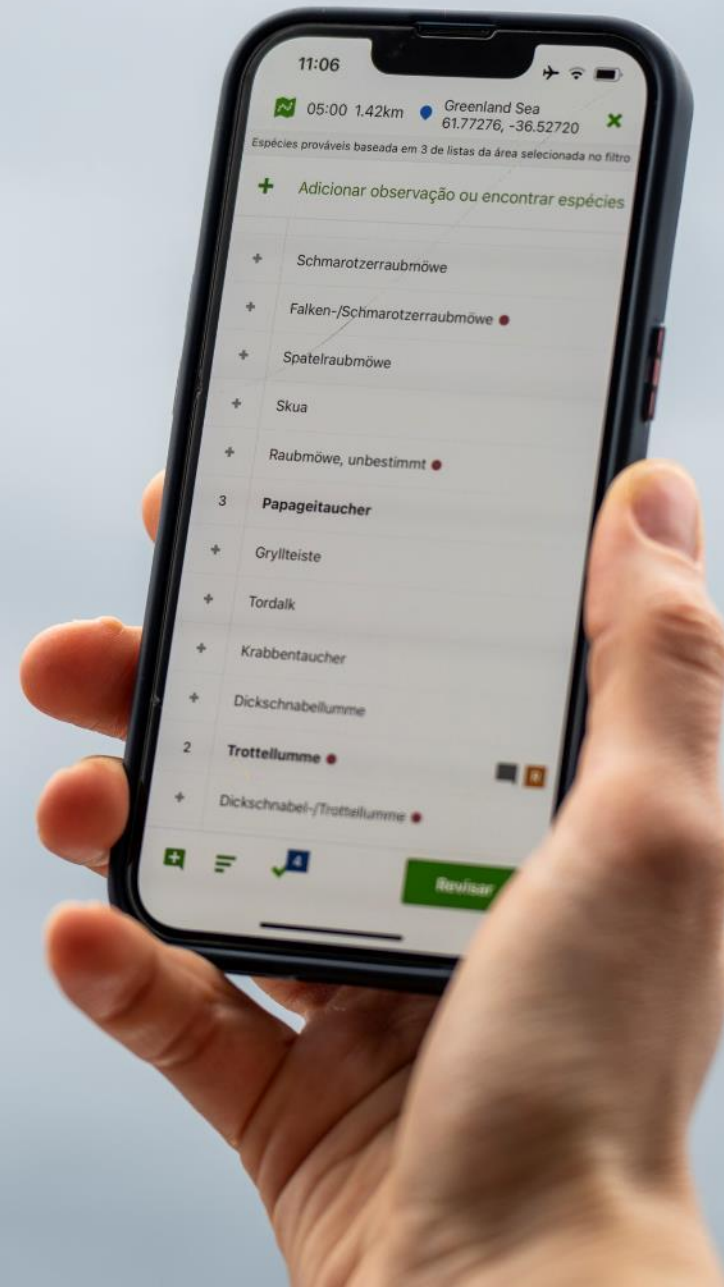
Thank you to the 25 Cloud Observers who participated in the program, and remember you can continue to do this at home!





## The eBird project

During this voyage, our ornithologists, did **34 surveys**. At least **31 species** were observed. The most frequently observed species were the Northern Fulmar, Black-legged Kittiwake, and Brünnichs Guillemot. Find the trip report for the voyage and the checklists here: [FNGRE2509 - Grand Greenland - MS Fridtjof Nansen 22nd June - 2nd July - eBird Trip Report](#)



# FNGRE2509 - Grand Greenland - MS Fridtjof Nansen 22nd June - 2nd July

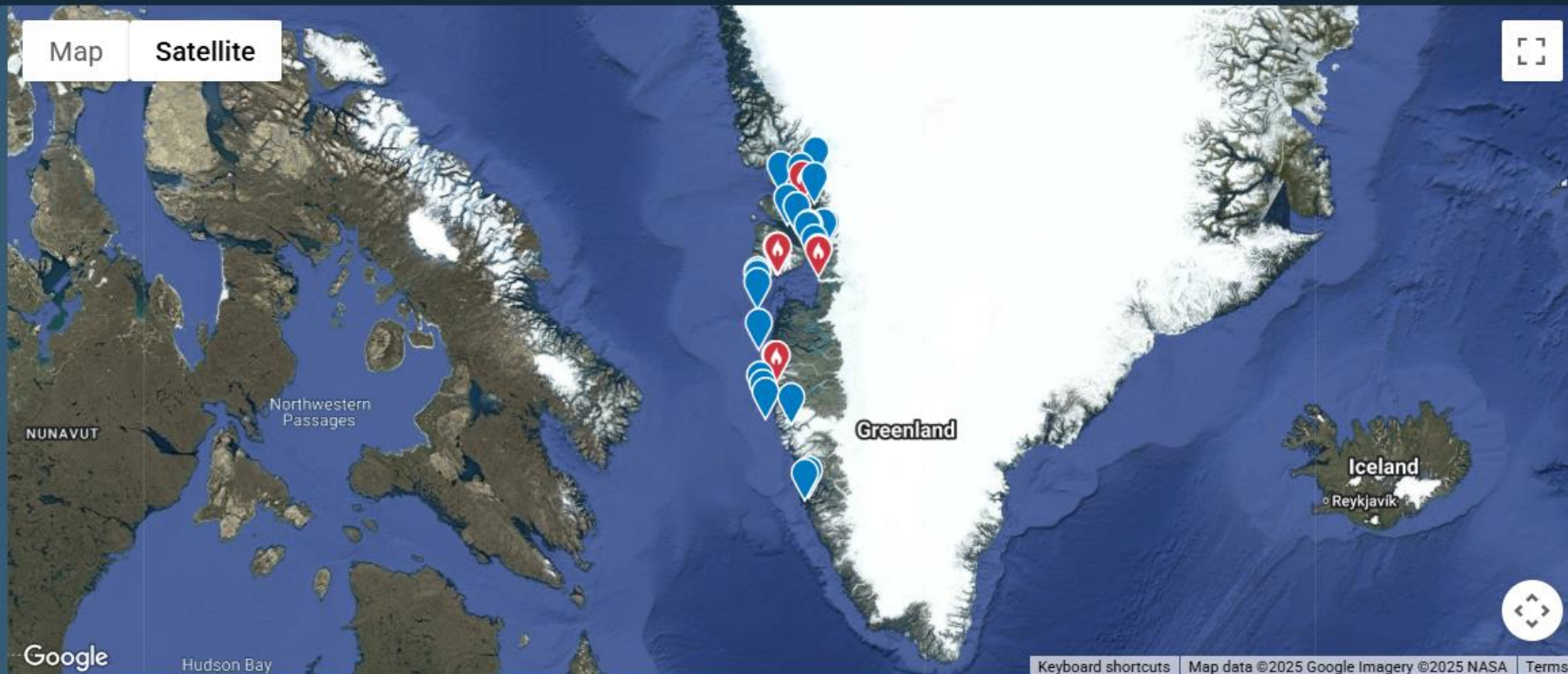
22 Jun – 2 Jul 2025 (11 days) Public

Greenland

Science Coordinator, Ingild Riska, Simon Delany, Dominic Barrington, Dougie Wainwright

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## Narrative

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

[Add narrative](#)

DATA FOR: **Group (all people)**

28

Species Observed

+5 other taxa

34

Checklists

1

Species with Photos



## Species Observed

[Show all details](#)

12	Canada Goose	▶ 3
14	Mallard	▶ 4
X	King Eider	▶ 1
11	Common Eider	▶ 4
3	Red-breasted Merganser	▶ 2
1	Rock Ptarmigan	▶ 1
18	Red-necked Phalarope	▶ 4
2	Parasitic Jaeger	▶ 2
10	Atlantic Puffin	▶ 1
89	Black Guillemot	▶ 10
1	Razorbill	▶ 1
27	Dovekie	▶ 3
17	Thick-billed Murre	▶ 5

187	Black-legged Kittiwake	▶ 13
1	Sabine's Gull	▶ 2 1
9	Great Black-backed Gull	▶ 1
67	Glaucous Gull	▶ 14
21	Lesser Black-backed Gull	▶ 2
20	Iceland Gull	▶ 4
1	Red-throated Loon	▶ 1
457	Northern Fulmar	▶ 18
7	Great Cormorant	▶ 2
1	White-tailed Eagle	▶ 1
16	Common Raven	▶ 7
5	Northern Wheatear	▶ 4
5	Redpoll	▶ 1
8	Lapland Longspur	▶ 4

26	Snow Bunting	▶ 9
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### ADDITIONAL TAXA

10	King/Common Eider	▶ 1
33	duck sp.	▶ 2
1	jaeger/skua sp.	▶ 1
3	large alcid sp.	▶ 2
1	alcid sp.	▶ 1





# iNaturalist

We submitted around 637 observations identifying 141 species of plants, marine mammals, birds and other organisms. The most observed species was the Northern Fulmar. 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 Arctic species.

Join our project by searching its code name: **FNGRE2509** MS Nansen: Grand Greenland – The Icy Giants of Disko Bay (22 June - 2 July, 2025)

View the data submitted on our [iNaturalist project](#)



©Geraldine Prince





## FNGRE2509 MS Nansen: Grand Greenland – The I...

Jun 22, 2025 - Jul 2, 2025

### About

Members 14

Shared observations from guests and Expedition Team onboard MS Fridtjof Nansen during the expedition cruise "Greenland cruise | Grand Greenland – The Icy Giants of Disko Bay" (22 June - 2 July, 2025)

[Read More >](#)

[Your Membership](#)

[Edit Project](#)

[Project Journal](#)

Overview

637  
OBSERVATIONS

141  
SPECIES

47  
IDENTIFIERS

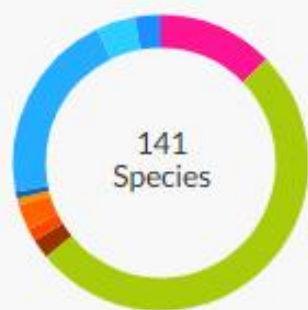
10  
OBSERVERS

[Stats](#)

### Stats



- Research Grade
- Needs ID
- Casual



- Unknown
- Protozoans
- Fungi
- Plants
- Chromista
- Mollusks
- Insects
- Arachnids
- Ray-Finned F...
- Amphibians
- Reptiles
- Birds
- Mammals
- Other Animals



- Improving
- Supporting
- Leading
- Maverick





24 observations

Northern Fulmar ·  
Eissturmvogel  
*Fulmarus glacialis*



21 observations

Black-legged Kittiwake ·  
Dreizehenmöwe  
*Rissa tridactyla*



19 observations

Alpine Mouse-Ear · Alpen-  
Hornkraut  
*Cerastium alpinum*



18 observations

Prickly Saxifrage  
*Saxifraga tricuspidata*



17 observations

Glaucous Gull · Eismöwe  
*Larus hyperboreus*



15 observations

Harp Seal · Sattelrobbe  
*Pagophilus groenlandicus*



14 observations

Black Guillemot ·  
Gryllteiste  
*Cepphus grylle*



14 observations

Entireleaf Mountain-Avens  
*Dryas integrifolia*



13 observations

Alpine Rock-Cress · Alpen-  
Gänsekresse  
*Arabis alpina*



13 observations

Arctic Catchfly  
*Silene involucrata*



12 observations

Hairy Lousewort  
*Pedicularis hirsuta*



10 observations

Bog Bilberry · Rauschbeere  
*Vaccinium uliginosum*



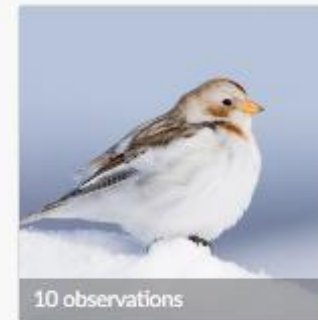
10 observations

Arctic Willow · Arktische  
Weide  
*Salix arctica*



10 observations

Moss Campion ·  
Stängelloses Leimkraut  
*Silene acaulis*



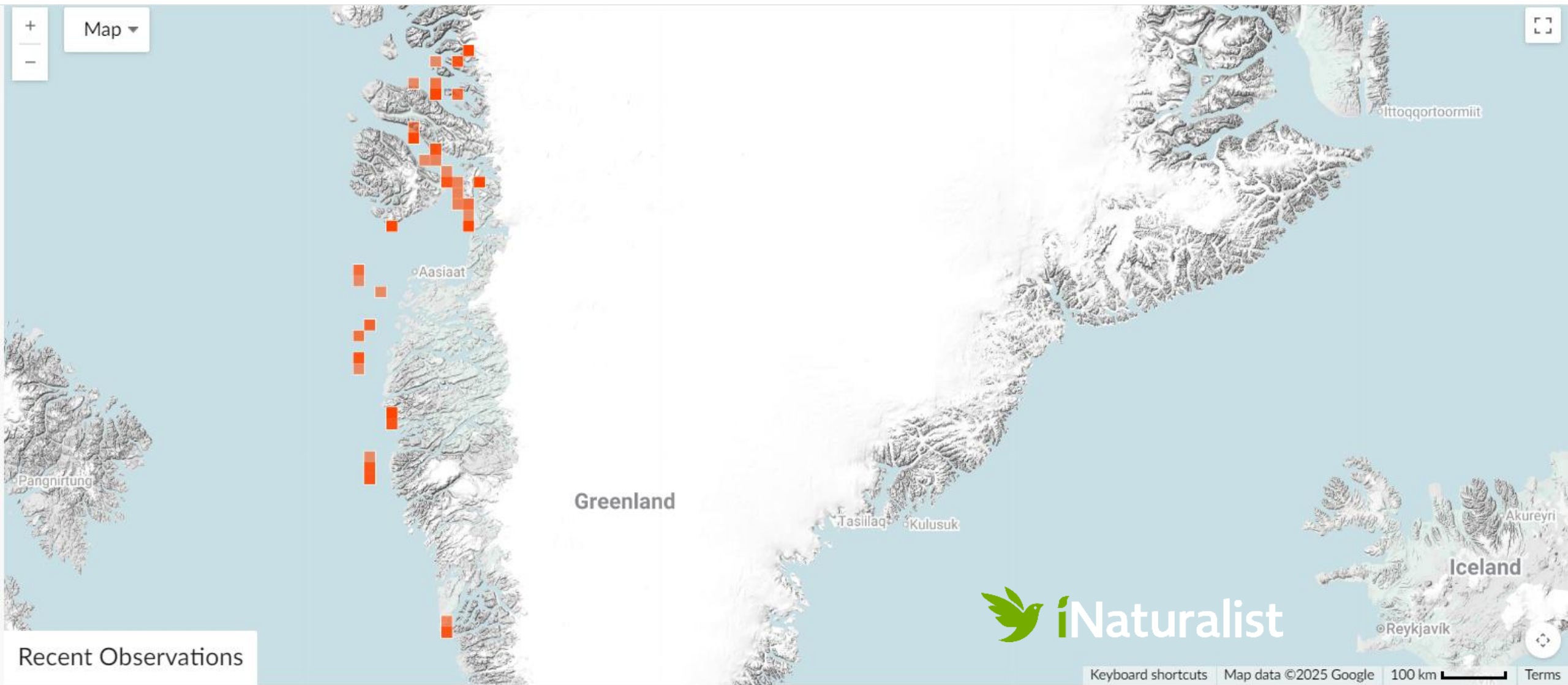
10 observations

Snow Bunting ·  
Schneeammer  
*Plectrophenax nivalis*





Map ▾



Recent Observations







# Science Boat

We had 9 science boat sessions during this trip in: Maarmorilik, Camp Mario , Equip Sermia, Qeqertasuaq & Evigheidfjord. We sampled for different projects. With the secchi disk measurements to document the turbidity/clarity of the water and assess the abundance of phytoplankton. And for the IceEco project. This project aims to monitor the changes in abundance and distribution of phytoplankton in relation with glacial ice melting. We towed a plankton net of 20 um mesh size to gather water samples, deployed our CTD sensor to understand the oceanographical parameters of the water (temperature, salinity, chlorophyll a) and preserved meltwater samples to measure later on dissolved oxygen. The whole mission was a success, thank you for participating with us!



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



# Wildlife List - Birds





Birds - Wildlife List													
Scientific Name	English	Deutsch	Francais	1	2	3	4	5	6	7	8	9	10
Gavia immer	Great Northern Diver / Common Loon	Eistaucher	Plongeon huard							X			
Gavia stellata	Red-throated Diver	Sterntaucher	Plongeon catmarin				X				X		
Branta canadensis	Canada Goose	Kanadagans	Bernache du Canada				X			X	X		
Anas platyrhynchos	Mallard	Stockente	Canard colvert	X		X	X				X	X	
Somateria mollissima	Common Eider	Eiderente	Eider à duvet	X	X				X	X	X		X
Somateria spectabilis	King Eider	Prachteiderente	Eider à tête grise		X								
Clangula hyemalis	Long-tailed Duck	Eisente	Haralde kakawi		X								
Mergus serrator	Red-breasted Merganser	Mittelsäger	Harle huppé		X	X		X		X			
Phalaropus lobatus	Red-necked Phalarope	Odinshühnchen	Phalarope à bec étroit			X					X	X	
Phalaropus fulicaria	Grey / Red Phalarope	Thorshühnchen	Phalarope à bec large		X								



Birds - Wildlife List

Scientific Name	English	Deutsch	Francais	1	2	3	4	5	6	7	8	9	10
Stercorarius parasiticus	Arctic Skua / Parasitic Jaeger	Schmarotzerraubmöwe	Labbe parasite		X								
Stercorarius pomarinus	Pomarine Jaeger	Spatelraubmöwe	Labbe pomarin				?						
Fulmarus glacialis	Northern Fulmar	Eissturmvogel	Fulmar boréal	X	X	X	X	X	X	X	X	X	X
Phalacrocorax carbo	Great Cormorant	Kormoran	Grand Cormoran						X	X			X
Haliaeetus albicilla	White-tailed Eagle	Seeadler	Pygargue à queue blanche	X									
Rissa tridactyla	Black-legged Kittiwake	Dreizehenmöwe	Mouette tridactyle	X	X		X	X	X	X	X	X	X
Xema sabini	Sabine’s Gull	Schwalbenmöwe	Mouette de Sabine				X						
Larus fuscus	Lesser Black-backed Gull	Herringsmöwe	Goéland Brun	X	X	X	X						X
Larus marinus	Great Black-backed Gull	Mantelmöwe	Goéland marin	X	X	X							
Larus hyperboreus	Glaucous Gull	Eismöwe	Goéland bourgmestre		X	X	X	X	X	X	X	X	X
Larus glaucoides	Iceland Gull	Polarmöwe	Goéland arctique	X		X		X	X				X



Birds - Wildlife List													
Scientific Name	English	Deutsch	Francais	1	2	3	4	5	6	7	8	9	10
Uria lomvia	Brünnich's Guillemot / Thick-billed Murre	Dickschnabellumme	Guillemot de Brünnich		X				X	X	X		X
Alca torda	Razorbill	Tordalk	Petit Pingouin		X								X
Cephus grylle	Black Guillemot	Gryllteiste	Guillemot à miroir		X		X	X	X	X	X		X
Fratercula arctica	Atlantic Puffin	Papageitaucher	Macareux moine								X		
Alle alle	Little Auk / Dovekie	Krabbentaucher	Mergule nain	X									
Lagopus muta	Rock Ptarmigan	Alpenschneehuhn	Lagopede alpin					X					
Corvus corax	Common Raven	Kolkrabe	Grand Corbeau	X	X	X	X		X	X	X	X	
Oenanthe oenanthe	Northern Wheatear	Steinschmätzer	Traquet motteux				X				X		
Acanthis flammea	Common Redpoll	Birkenzeisig	Sizerin flammé				X				X	X	
Calcarius lapponicus	Lapland Bunting / Longspur	Spornammer	Plectrophane lapon				X			X	X		
Plectrophenax nivalis	Snow Bunting	Schneeammer	Plectrophane des neiges	X		X	X	X		X	X	X	

# Wildlife List - Mammals





Marine Mammals: Cetaceans - Wildlife List														
Scientific Name	English	Deutsch	Francais	Day 1	2	3	4	5	6	7	8	9	10	
<i>Megaptera novaeangliae</i>	Humpback whale	Buckelwal	Baleine à bosse			X				X	X			
<i>Balaenoptera physalus</i>	Fin Whale	Finnwal	Rorqual de Rudolphi				X	X						
<i>Balaenoptera acutorostrata</i>	Minke Whale	Zwergwal	Petit rorqual		X									
<i>Balaena mysticetus</i>	Bowhead Whale	Grönlandwal	Baleine boréale			X			X					

Marine Mammals: Pinnipeds & Others - Wildlife List													
Scientific Name	English	Deutsch	Francais	Day 1	2	3	4	5	6	7	8	9	10
<i>Pagophilus groenlandicus</i>	Harp/Greenland seal	Sattelrobbe	Phoque du Groenland		X	X	X		X	X	X		

Marine Mammals: Land Mammals - Wildlife List														
Scientific Name	English	Deutsch	Francais	Day 1	2	3	4	5	6	7	8	9	10	
<i>Vulpes lagopus</i>	Arctic Fox	Polarfuch	Renard polaire			X			X					



# IX

**Connect with your inner scientist**

