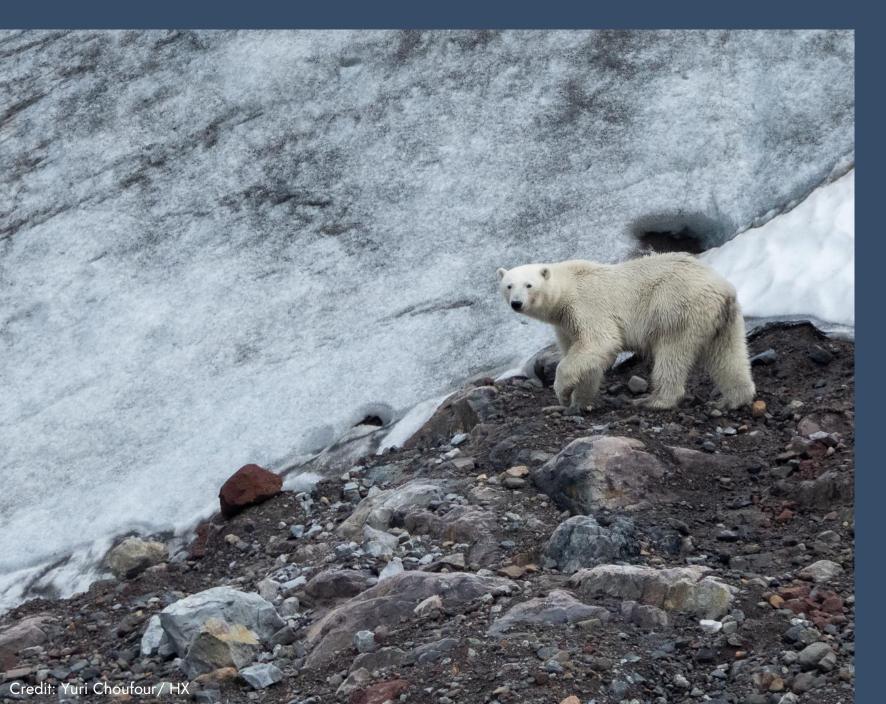


MS FRAM 24th- 31th August 2025

West Svalbard in Summer





Citizen Science

Inaturalist

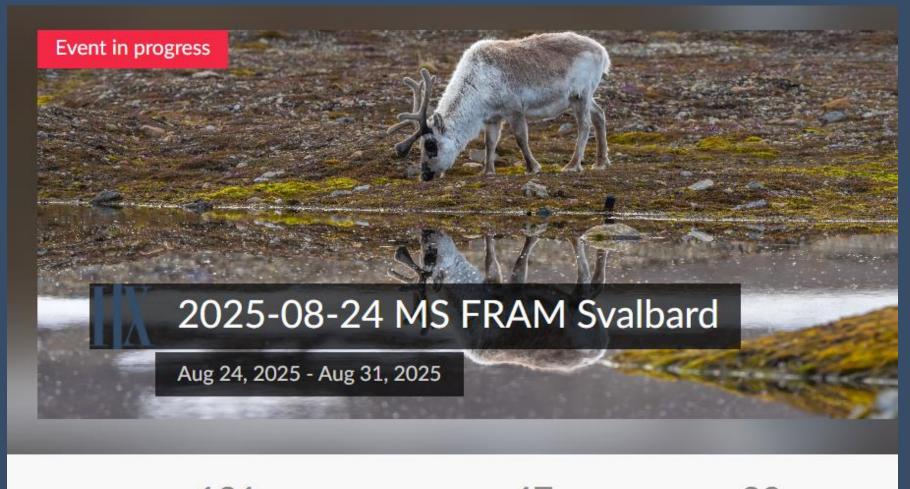
We submitted more than 120+ observations to Inaturalist., this is the record for this Arctic season in Svalbard! You can view our observations by clicking here.

Ebird

We submitted 14 checklists to Ebird. You can view the <u>trip report for your voyage by clicking</u> here.

Planktonics Project — eDNA around Svalbard.

We collected water samples once during this voyage.



121 Overview OBSERVATIONS SPECIES

IDENTIFIERS

iNaturalist

On our voyage we submitted 121 observations covering a wide range of 47 living species, from plants to animals passing to planktonic creatures.

Thank you very much for your contribution, and feel free to contribute to our project for this voyage when you are back home reviewing your photos.

Click here to visit the iNaturalist Project for this voyage.



Overview OBSE

OBSERVATIONS

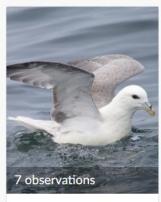
47 SPECIES 29
IDENTIFIERS

8 OBSERVERS

SERVERS











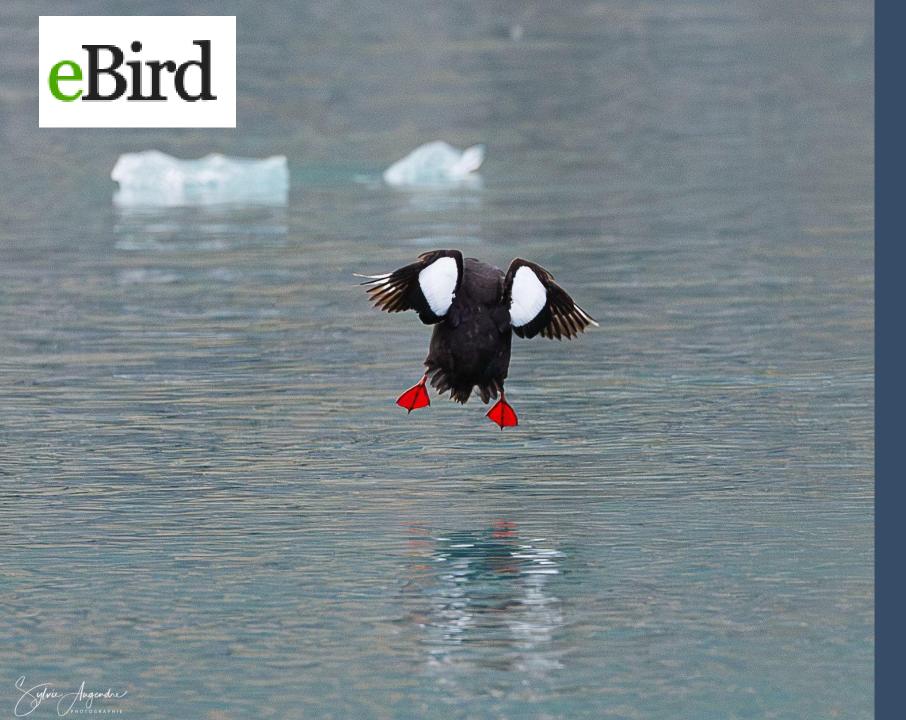


iNaturalist

The most abundant species registered were the Polar Willow, followed by Fulmar and Black Guillemots. Thank you so much for your passion, dedication and interest in our project!

You can still upload your photos to our project once back home.

Click here to visit the iNaturalist Project for this voyage.





eBird

On our voyage we conducted 14 surveys, observed 17 bird species and counted a total of 721 individuals. The most abundant species were the Common Eider, followed by the Arctic Tern and the Kittywake. These data are crucial to document the abundance and distribution of emblematic polar and cosmopolitan species around Svalbard, both terrestrial and marine species.

Thank you very much for joining Julia during our wildlife watch and help us contributing to the greatest birding project at a worldwide scale!

Click here to visit the Ebird Project for this voyage.



HappyWhale

During our voyage exploring Spitsbergen, we saw walruses, harbour seals, bearded seals, minke whales, and a polar bear!

Although we did not manage to take any individually identifiable photos of marine mammals on this voyage, you can do so for any older photos you may have from years gone by, this can give scientists a better idea of how long the individuals sighted more recently have been alive for!

Thank you very much for joining Jenna during our wildlife watches.

Click here to visit the HappyWhale Project.



Science Boat

On our voyage we conducted 4 Science Boats during which we realized Secchi disc measurements & CTD profiles to characterize the water column parameters, and collected plankton & Niskin bottle samples for eDNA. We also helped our guest scientists to collect samples for their respective projects.

Once back on-board, we used the microscopes in the science centre to identify plankton caught during the science boats. We observed a great variety of zooplankton organisms, with copepods being the most abundant, but invertebrates larvae and eggs found in our samples. Dinoflagellates from *Tripos* spp were also caught. Please see the following slide for more pictures of plankton caught during our voyage.

<u>Click here to visit the Secchi Disc Project</u> and view the Secchi data.



Mr. Copepod. Calanus finmarchicus (below) and zooplankton soup (above)





Dinoflagellate *Tripos* sp. (above) and echinoderm larvae (below)





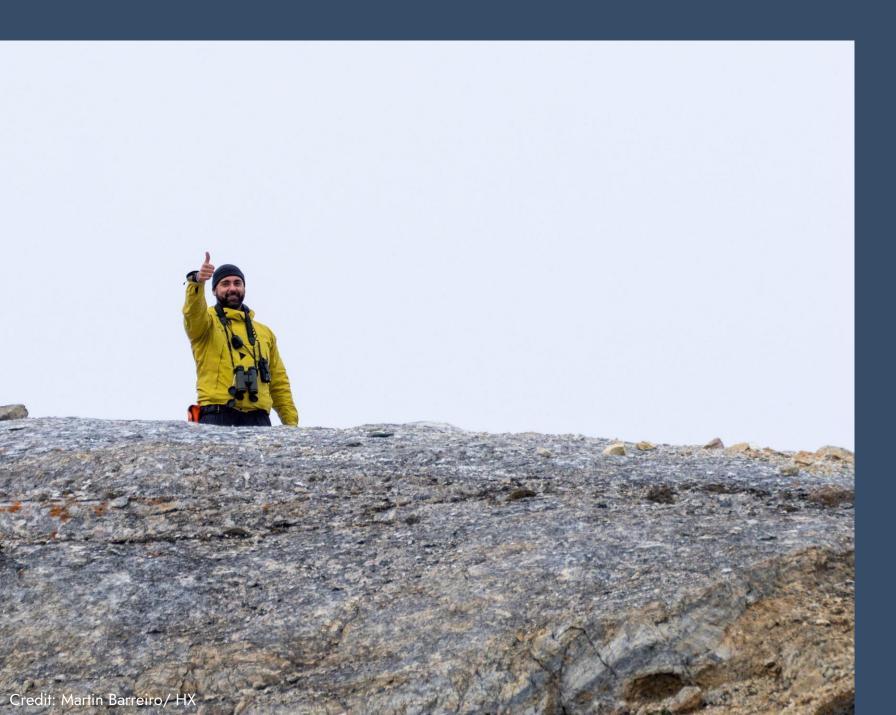
Underwater drone

During our voyage, we launched our Blueye drone into the water to explore the hidden underwater world. We found coastal fishes, most likely pollack or juvenile Arctic char, as well as sugar kelp and jellyfish. Our dive took us to a depth of 20 meters, where we found a vibrant diversity of organisms that demonstrate the abundance and variety of marine wildlife.



Planktonics Project — eDNA around Svalbard

This project aims to describe the diversity of jellies organisms present in waters around the archipelago of Svalbard using the eDNA technics. This consists of filtering water, extract and amplify the DNA preserved on the filters targeting specific groups of species. During our Science boat, we managed to collect one time in Magdalenafjorden for this project. Filters were kept frozen in our facilities until they will be picked up by the scientists to be analysed in the laboratory. This project has been founded in part by the HX Foundation.



Geology report

Svalbard is a paradise for geologists — a land where deep time rises to the surface. Its mountains and valleys reveal a story stretching back over 2.5 billion years. Here, you'll find rich seams of coal formed in tropical swamps, marine fossils of ichthyosaurs and ammonites from long-vanished seas, and even the preserved footprints of dinosaurs pressed into Cretaceous sandstone.

The next slides highlights the surprising rocks formation we discovered during our voyage.

Burgerbukta, Hornsund: (77.03875'N, 15.95512'E).



Burgerbukta is a fjord branching off the inner part of Hornsund, on the southwest coast of Spitsbergen, Svalbard. Geologically, the area lies within the Hecla Hoek succession, one of Svalbard's oldest geological units, composed of Proterozoic to lower Paleozoic sedimentary and metamorphic rocks. The bedrock around Burgerbukta includes quartzites, phyllites, and dolomitic marbles, which were deposited in shallow marine environments and later deformed and metamorphosed during the Caledonian orogeny (~430-390 Ma). Intrusions of Paleozoic and Mesozoic dolerites may be found nearby, related to regional tectonic activity during the opening of the North Atlantic and Arctic oceans. The fjord and its surroundings are also heavily shaped by Quaternary glaciation, with steep U-shaped valley walls, hanging glaciers, and moraine systems showing active glacial erosion and deposition. Present-day glaciers calve into the fjord, making it a key location for observing glacial-marine interaction and sediment transport.





Deilegga Group (correlative of Nordbukta Group):

178 Undifferentiated: marble, quartzite and phyllite

Hornsund - Sørkapp Land:

- Adriabukta Formation (Late Devonian or Early Carboniferous): polymict conglomerate in lower part, sandstone, shale
- Marietoppen Formation (Pragian Eifelian): multicoloured sandstone, shale

Hornsund - Sørkapp:

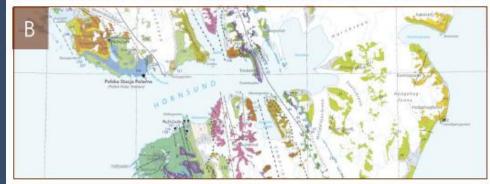
Arkfjellet Formation (age uncertain): carbonate rocks, sandstone and shale

Hornsund - Sørkapp:

Sørkapp Land Group (Ordovician):

- Wiederfjellet Formation: quartzite
- Dolomite and limestone formations, undifferentiated

- (A) TopoSvalbard (2025)
- (B) Geoscience Atlas of Svalbard (2015)
- (C) Arrangement of rocks found upon the moraine system in local area. Detailing the shallow marine fossils of Annelida. The hydrocarbon source rocks in purple shale stones, slate stone and mudstones.
- (D) Complexity of conglomerates, quartzite and volcanic natured scoria.
- (E) Further evidence of Svalbard once being a shallow marine environment, a fossilised nautilus or ammonite.





Graveneset, Magdalenefjorden: (79.553'N, 11.040'E).

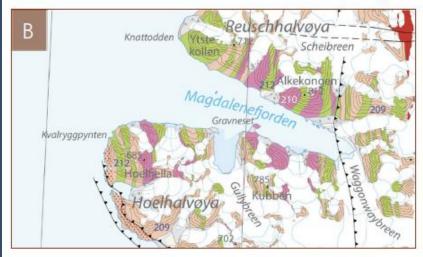
Graveneset, a headland in Magdalenefjorden, is framed by mountains of Precambrian migmatites and granites, formed between 1.7 and 1.0 billion years ago during deep crustal melting and subsequent crystallisation. These basement rocks are cut by striking white calcite and quartz veins, emplaced during later hydrothermal activity in the Caledonian orogeny (~490-390 million years ago), when mountain-building processes fractured the crust and allowed hot, mineral-rich fluids to circulate and precipitate minerals in the cracks. The beaches are strewn with well-rounded granite boulders and pebbles, shaped by glacial grinding and wave action. Many contain the distinctive "wishing stones"—dark granite encircled by a single white vein. In Scottish folklore, such stones were kept for luck or thrown into the sea while making a wish, linking this Arctic landscape to a tradition carried by sailors and whalers far from home.





- (A) TopoSvalbard (2025)
- (B) Geoscience Atlas of Svalbard (2015)
- (C) Whalers Rock: Proterozoic migmatites and
- (D) Banded Gneiss

IMAGE C: The rock reads: "Whaling station and burial ground 1612 - 1800. The Whaling station was used by Dutch, English and Basque Expeditions 1612 - 1650. British, Dutch and German Whalers are buried here. The map shows graves and blubber cookeries. It is forbidden to walk in the burial area. The monuments are protected by law."





Unconsolidated material (Pleistocene - Holocene):

Moraines

Marine deposits

Smeerenburgfjorden Complex:

Migmatite with aplites

Granitic orthogneiss

Banded gneiss

Monacobreen, Liefdefjorden. (79.6469° N, 12.6194° E)



Monacobreen is a large tidewater glacier flowing into Liefdefjorden, in northern Spitsbergen. It lies within a region where Paleozoic and Mesozoic sedimentary rocks overlie the Caledonian metamorphic basement. The surrounding bedrock includes Devonian red sandstones, Carboniferous to Permian limestones and dolomites, and Mesozoic shales and siltstones—all gently dipping and locally faulted. These layers record a shift from post-orogenic continental deposition to shallow marine shelf environments along the Barents Shelf margin. The glacier itself is actively reshaping this geology, with its terminus calving directly into the fjord, producing moraines, glaciomarine sediments, and iceberg-rafted debris. Monacobreen is also a key site for glaciological research, with studies focusing on glacier dynamics, sediment transport, and climate-related retreat. The combination of well-exposed stratigraphy and active glacial processes makes it an ideal location to study the interaction between tectonics, sedimentary evolution, and modern Arctic glaciation





Images:

(A) Toposvalbard (2025) (B) Atlas of Svalbard (2015) (C) Old Red Sandstones displayed beautifully on the Hoghotten mountainside at Monacobreen and Siegerbreen Glacier. (D) Boulders, pebbles, sands and silts hitching a ride on the back of an iceburg that calved in the area. Known as 'Ice Rafted Debris'. Later will produce dropstones into the bed sediments of Liefdefjorden.





Alicehamna, Raudfjorden: (79.73662'N, 12.23099'E).

Alicehamna, on the southern shore of Raudfjorden, exposes a sequence of Devonian sedimentary rocks resting on Caledonian metamorphic basement. The area is dominated by units of the Ben Nevis Formation, composed of greenish-grey sandstones, and the Schivefjellet Member, a finer-grained interval within this sequence. These rocks represent deposition in fluvial and deltaic systems during the post-orogenic collapse of the Caledonides. The prominent red rocks belong to the Old Red Sandstone group, deposited in arid continental settings.

Interbedded polymictic conglomerates with a red matrix contain clasts of quartzite, phyllite, and sandstone, derived from erosion of nearby Caledonian rocks. The Prinsesse Alicefjellet Formation, characterized by quartz-rich conglomerates, is also exposed, indicating high-energy river deposition. Greenish rocks in the area include chlorite-bearing phyllites and greenstones from the Proterozoic basement. The landscape shows strong glacial overprinting, with striated bedrock, moraines, and raised beach terraces recording the effects of Quaternary glaciation and post-glacial uplift.









Red Bay Group (Lochkovian):

Ben Nevis Formation: greenish and grey sandstone, siltstone and shale Drakehaugen Member: greenish-grey sandstone

Schivefjellet Member: quartz conglomerate

Frænkelryggen Formation: red clastic rocks, mostly sandstone and siltstone Andréebreen Formation: greenish sandstone and pebble conglomerate

Prinsesse Alicefiellet Formation: quartz conglomerate

Rabotdalen Formation: sandstone, siltstone, subordinate carbonate rocks
Wulffberget Formation: limestone conglomerate, quartz and polymict
conglomerate

MAGES:

(A) TopoSvalbard (2025) (B)
Geoscience Atlas of Svalbard
(2015) (C) Alicehamna and
Solanderfjellet summit.

(D) Ben Nevis Formation (green sandstones)

(E) Prinsesse Alicefjellet Conglomerates.





Beach clean-up

MS Fram is on a mission to collect ocean waste in the isolated locations we visit.

We collected 32 kg of ocean waste during our voyage, bringing the total for the season to 166.10 kg!

Trash-O-Meter:

MS Fram is on a mission to collect ocean waste in the isolated locations we visit.



Statistics so far:

So far we have collected a whopping: Weight: 134.10 KG

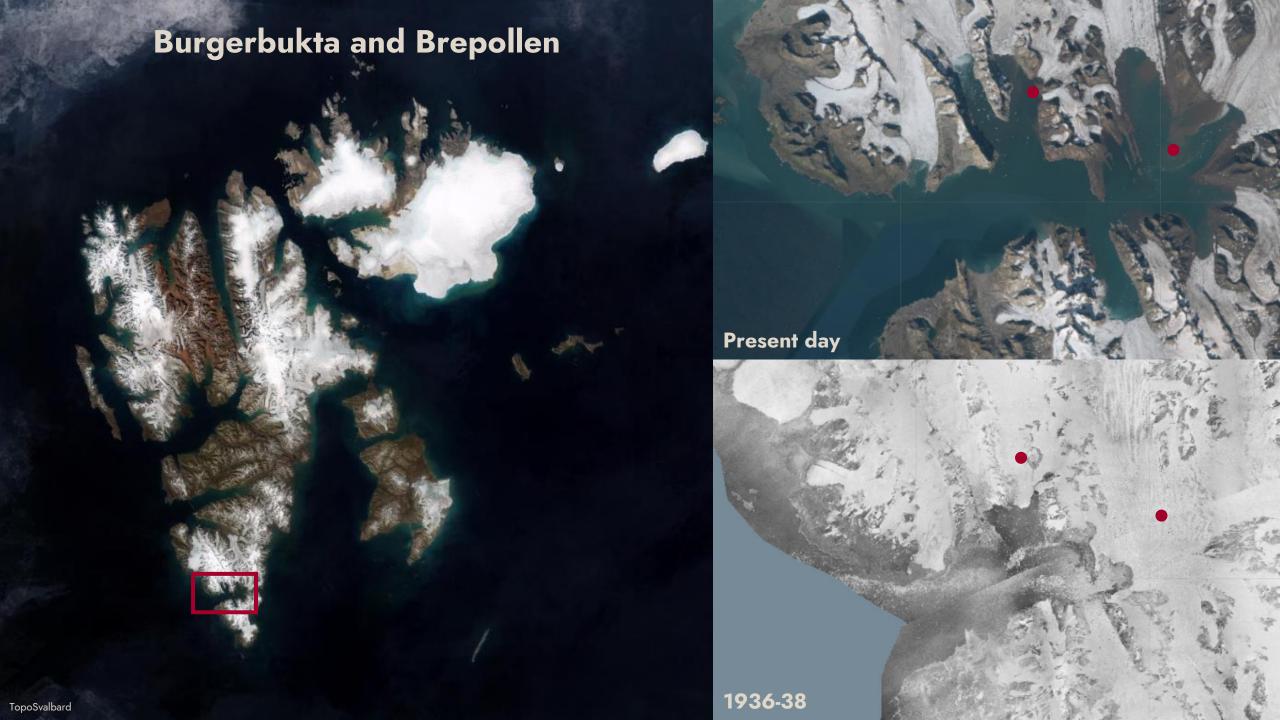
On our voyage we collected a total: Weight: 32.30 KG

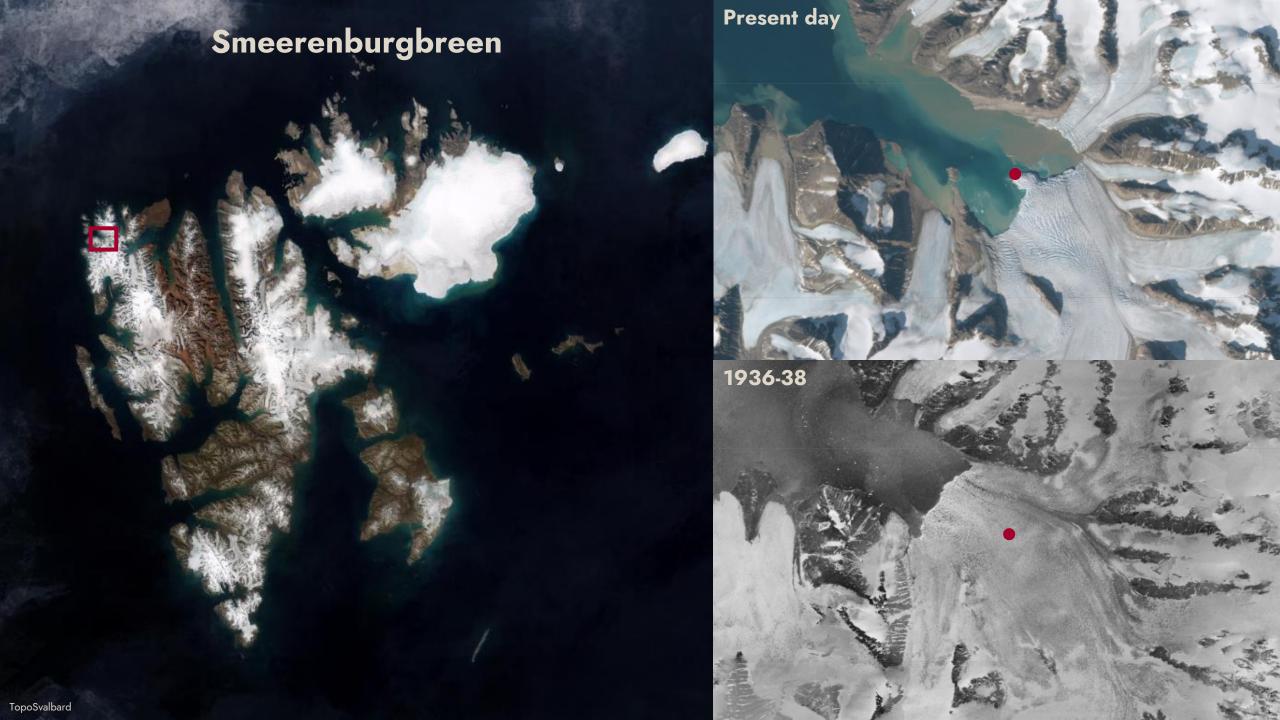
Combined weight of waste removed during our voyage:

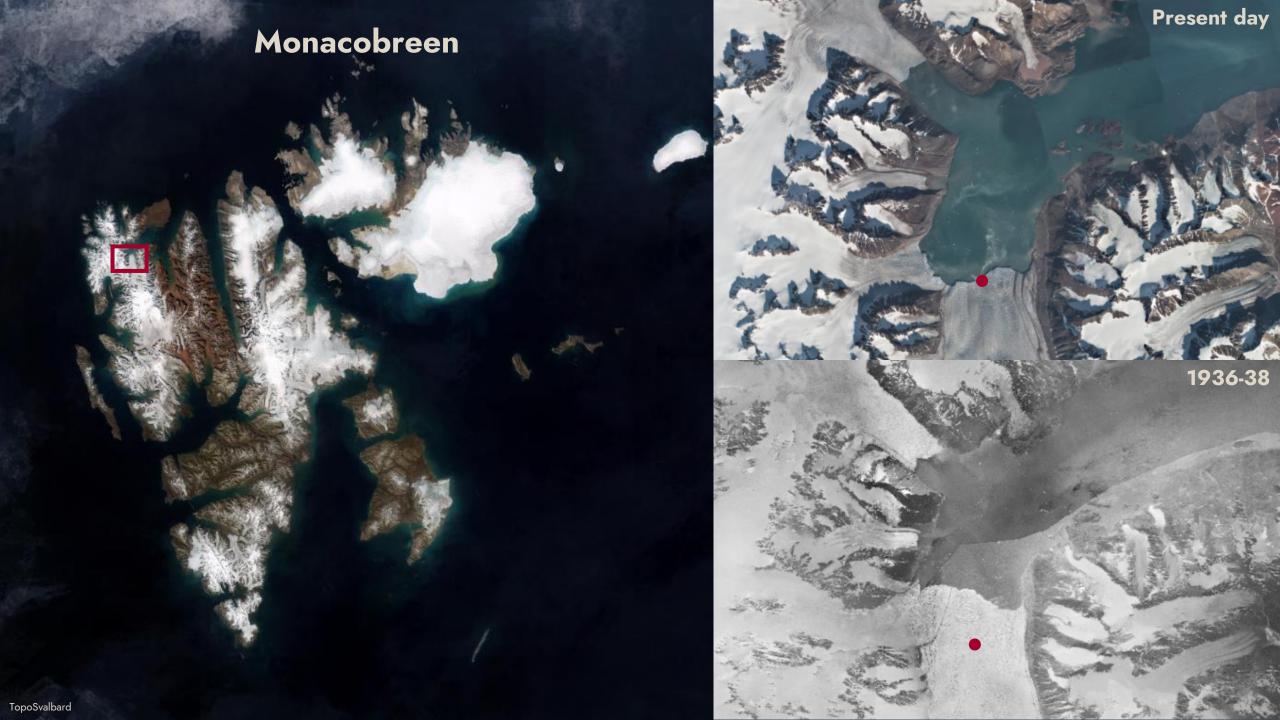
166.40 KG

Thank you for helping clean up the Arctic.





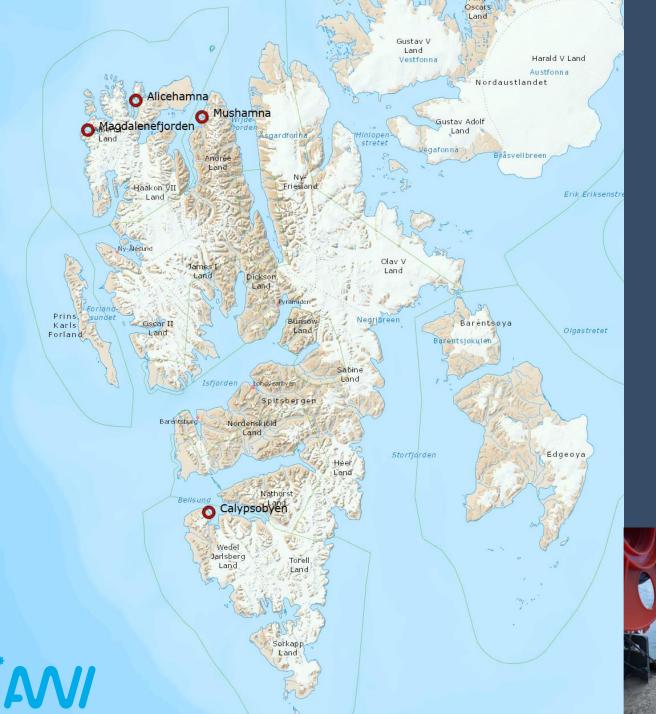




GUEST SCIENTISTS

SOOP Project — Christian Hohe

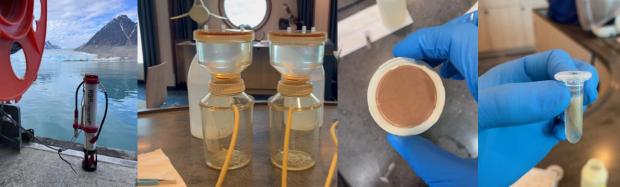
NPI – Fabienne Mannherz & Heidi Ahonen



4 sampling locations



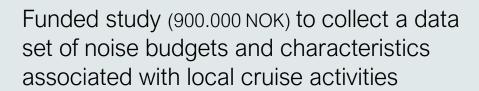
- Diverse sampling sites (Glaciers, run-off areas, converging fjords, clear water)
- 2 science boat sessions
- Water samples from the surface
- 3 samples each site
 - 1x eDNA analysis
 - 1x Chlorophyl analysis
 - 1x coloured dissolved organic matter
- CTD measurements from 20 m to 40 m depth
- 2 spectrometer measurements
- Visibility measurements with Secchi (5.40 m)
- Filtration to 0.4 µm-membranes
- Stored at -20°C in ethanol



Sound-Cruising



Investigating underwater noise of cruise operations in Svalbard



- Prolonged
- Repeated
- Cumulative

noise exposure for











Heidi Ahonen, PhD
Researcher Marine Bioacoustics
Norwegian Polar Institute



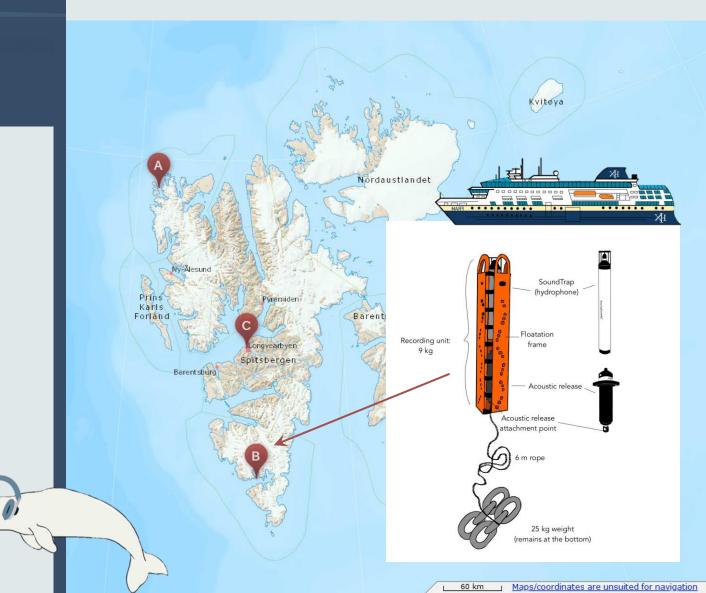
Fabienne Mannherz
PhD student Marine Bioacoustics
Aarhus University, Denmark

Sound Cruising Recap

Svalbard 14th -31st August

Location B) Gnålodden (Burgerbukta)

- Successful re-deployment for winter
- Will record 10 min. every hour until June '26



Sound Cruising Recap

Svalbard 14th -31st August

Handheld recordings

- 7 locations
- Documentation of sound characteristics during guest operations (Fram & zodiaks)



Winter is coming ...

... with **11 Terabytes of audio data** (.wav files) waiting to be processed and analysed for:

- Ship presence
- Duration of ship noise
- Absolute levels (decibels)
- Frequency range (& acoustic overlap with Arctic marine mammals)





Fabienne Mannherz

PhD Student Marine Bioacoustics fm@ecos.au.dk





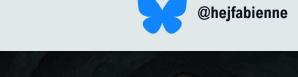
@fabienne-mannherz



@hejfabienne

Newsletter/Blog:







(generated with ChatGPT)

https://hejfabienne.substack.com/





Cetaceans												
Scientific Name	English	Deutsch	Francais	中文	24/08	25/08	26/08	27/08	28/08	29/08	30/08	31/08
Balaenoptera acutorostrata	Common Minke Whale	Zwergwal	Petit rorqual	小须鲸		x	x			x		
Balaenoptera musculus	Blue Whale	Blauwal	Rorqual bleu	蓝鲸								
Balaenoptera physalus	Fin Whale	Finnwal	Rorqual commun	长须鲸/鳍鲸								
Megaptera novaeangliae	Humpback Whale	Buckelwal	Baleine à bosse	座头鲸								
Delphinapterus leucas	Beluga Whale	Weißwal	Béluga	白鲸						x		
Lagenorhynchus albirostris	White-beaked Dolphin	Weißschnauzendelfin	Lagénorhynque à bec blanc	白喙海豚								
Physeter macrocephalus	Sperm Whale	Pottwal	Grand cachalot	抹香鲸								
-	Unidentified whale	Nicht identifizierter Wal	Non identifié Baleine	未识别鲸类								
Pinnipeds Scientific Name	and Polar English	Bear Deutsch	Français	中文	24/08	25/08	26/08	27/08	28/08	29/08	30/08	31/08
Erignathus barbatus	Bearded Seal	Bartrobbe	Phoque barbu	髯海豹	_ ,,	x		_,,,,,	, _,		/	/
Phoca vitulina				1 3 1 3 3 3	1		l		x			
	narbour Seal, Common	Seehund	Phoque veau-marin	港海豹			×	x	x x			
Pusa hispida	Saal '	Seehund Ringelrobbe	Phoque veau-marin Phoque annelé	港海豹 环斑海豹			x	x	x			
Pusa hispida Odobenus rosmarus	Ringed Seal Walrus	Seehund Ringelrobbe Walross	Phoque veau-marin Phoque annelé Morse	港海豹 环斑海豹 海象			x	x x	x x	x		
	Ringed Seal	Ringelrobbe	Phoque annelé	环斑海豹			x	x	x x	x		
Odobenus rosmarus	Ringed Seal Walrus	Ringelrobbe Walross	Phoque annelé Morse	环斑海豹 海象			x	x	x x	x		
Odobenus rosmarus Cystophora cristata	Ringed Seal Walrus Hooded seal	Ringelrobbe Walross Klappmützenrobbe	Phoque annelé Morse Phoque à capuchon	环斑海豹 海象 冠海豹		x	x	x	x x	x		
Odobenus rosmarus Cystophora cristata Pagophilus groenlandicus	Ringed Seal Walrus Hooded seal Harp/Greenland seal Polar Bear	Ringelrobbe Walross Klappmützenrobbe Sattelrobbe	Phoque annelé Morse Phoque à capuchon Phoque du Groenland	环斑海豹 海象 冠海豹 竖琴海豹			x	x	x x	x		
Odobenus rosmarus Cystophora cristata Pagophilus groenlandicus Ursus maritimus	Ringed Seal Walrus Hooded seal Harp/Greenland seal Polar Bear	Ringelrobbe Walross Klappmützenrobbe Sattelrobbe	Phoque annelé Morse Phoque à capuchon Phoque du Groenland	环斑海豹 海象 冠海豹 竖琴海豹	24/08		26/08	x x 27/08	x x x	x 29/08	30/08	31/08
Odobenus rosmarus Cystophora cristata Pagophilus groenlandicus Ursus maritimus Land Mam	Ringed Seal Walrus Hooded seal Harp/Greenland seal Polar Bear	Ringelrobbe Walross Klappmützenrobbe Sattelrobbe Eisbär	Phoque annelé Morse Phoque à capuchon Phoque du Groenland L'ours blanc	环斑海豹 海象 冠海豹 竖琴海豹 北极熊	24/08		26/08 x	x × 27/08	x x x 28/08	x 29/08	30/08	31/08

Wildlife List – Birds

Birds - Wildlife List - MS FRAM 24/08 - 31/08/2025

Alle alle Little Auly/Dovekie Krabbentaucher Mergule nain 快海雀	Scientific Name	English	Deutsch	Francais	中文	24/08	25/08	26/08	27/08	28/08	29/08	30/08	31/08
Serial interpres Suddy turnstone Steinwätzer Tournepierre à collier 銀石幣 Barti Goose Ringelgans Bernache cravant 黒雁 x x x x x x x x x	Alle alle	Little Auk/Dovekie	Krabbentaucher	Mergule nain	侏海雀								
Branta bernicla Branta Goose Ringelgans Bernache cravant 思雅 x x x x x x x x x x x x x x x x x x	Anser brachyrhynchus	Pink-footed Goose	Kurzschnabelgans	Oie à bec court	粉脚雁					x	x		
Barnacle Goose Weißwangengans Bernache nonnette 白翅尾雁 x x x x x x x x x x x x x x x x x x x	Arenaria interpres	Ruddy turnstone	Steinwälzer	Tournepierre à collier	翻石鹬								
Sanderling Sanderling Sanderling Décasseau sanderling 三計潛載 X X X X X X X X X X X X X X X X X X X	Branta bernicla	Brant Goose	Ringelgans	Bernache cravant	黑雁	x							
Purple Sandpiper Meerstrandläufer Bécasseau violet 紫漢蘭 X	Branta leucopsis	Barnacle Goose	Weißwangengans	Bernache nonnette	白颊黑雁			X	x	x			
Composition Common Ringed Plover Sandregenpfeifer Pluvier grand-gravelot 接頭格 Red-throated Diver/Loon Sterntaucher Pluvier grand-gravelot 接頭格 Red-throated Diver/Loon Red-throated Diver/Loon Sterntaucher Plugeon catmarin Lagopus mytus Red-throated Diver/Loon Sterntaucher Plongeon catmarin Lagopus mytus Rock Ptarmigan Alpenschneehuhn Lagopude alpin 岩雷乌 Larus hyperboreus Glaucous Gull Eismöwe Goeland bourgmestre 1½½% Red-throated Diver/Loon Red-throated Mergaus Red-throated Red-throated Mergaus Red-throated Mergaus Red-throated Red-throa	Calidris alba	Sanderling	Sanderling	Bécasseau sanderling	三趾濱鷸			X					
Common Ringed Plover Sandregenpfeifer Pluvier grand-gravelot 接頭伯 Long-tailed duck Eisente Harelde boréale 长尾鸭 Kathic Puffin Papageitaucher Macareux moine 北松海陽 X X X X X X X X X X X X X X X X X X X	Calidris maritima	Purple Sandpiper	Meerstrandläufer	Bécasseau violet	紫滨鹬			X		x			
Clangula hyemalis Long-tailed duck Eisente Harelde boréale 长尾鸭	Cepphus grylle	Black Guillemot	Gryllteiste	Guillemot à miroir	白翅斑海鸽	x	x	X	x	x	X	x	
Fratercula arctica Atlantic Puffin Papageitaucher Macareux moine 北极海野	Charadrius hiaticula	Common Ringed Plover	Sandregenpfeifer	Pluvier grand-gravelot									
Fulmarus glacialis Northern Fulmar Eissturmvogel Fulmar boréal 暴雪雙 x x x x x x x x x x x x x x x x x x x	Clangula hyemalis	Long-tailed duck	Eisente	Harelde boréale	长尾鸭								
Red-throated Diver/Loon Sterntaucher Plongeon catmarin 紅喉潛鳥 Lagopews mytus Rock Ptarmigan Alpenschneehuhn Lagopews alpin Larus hyperboreus Glaucous Gull Eismöwe Goéland bourgmestre 北极陽 X X X X X X X X X X X X X X X X X X X	Fratercula arctica	Atlantic Puffin	Papageitaucher	Macareux moine	北极海鹦					x	X	x	
Rock Ptarmigan Alpenschneehuhn Lagopède alpin 岩雷鸟	Fulmarus glacialis	Northern Fulmar	Eissturmvogel	Fulmar boréal	暴雪鸌	x	x	X	X	x	X	x	
Elarus hyperboreus Galaucous Gull Eismöwe Goéland bourgmestre 比极鸥 x x x x x x x x x x x x x x x x x x	Gavia stellata	Red-throated Diver/Loon	Sterntaucher	Plongeon catmarin						x			
Red-breasted Merganser Mittelsäger Harle huppé 红胸秋沙鸭	Lagopus mytus	Rock Ptarmigan	Alpenschneehuhn	Lagopède alpin									
Pagophila eburnea Nory Gull Elfenbeinmöwe Mouette blanche 白鷗	Larus hyperboreus	Glaucous Gull	Eismöwe	Goéland bourgmestre	北极鸥		x	X	x	x	X	x	
Phalaropus fulicarius Grey/Red Phalarope Thorshühnchen Phalarope à bec large 灰瓣蹼鹬	Mergus serrator	Red-breasted Merganser	Mittelsäger	Harle huppé									
Plectrophenax nivalis Snow Bunting Schneeammer Plectrophane des neiges 雪鳴 x Pluvialis apricaria European Golden Plover Goldregenpfeifer Pluvier doré 饮金倍 少金倍 Polgsticta stilleri Steller's Eider Scheckente Eider de Steller 小绒鸭 x	Pagophila eburnea	Ivory Gull	Elfenbeinmöwe	Mouette blanche						x			
Pluvialis apricaria European Golden Plover Goldregenpfeifer Pluvier doré 飲金염	Phalaropus fulicarius	Grey/Red Phalarope	Thorshühnchen	Phalarope à bec large									
Polgsticta stilleri Steller's Eider Scheckente Eider de Steller 小绒鸭	Plectrophenax nivalis	Snow Bunting	Schneeammer	Plectrophane des neiges							x		
Rissa tridactylaBlack-legged KittiwakeDreizehenmöweMouette tridactyle三趾鸥xxxxxxSomateria mollissimaCommon EiderEider enteEider à duvet欧绒鸭xxxxxSomateria spectabilisKing EiderPrachteiderenteEider à tête grise王绒鸭xxxxStercorarius longicaudusLong-tailed Skua/JaegerFalkenraubmöweLabbe à longue queue长尾贼鸥xxxxxxStercorarius parasiticusArctic Skua/ Parasitic JaegerSchmarotzerraubmöweLabbe parasite短尾贼鸥xxxxxxStercorarius pomarinusPomarine Skua/JaegerSpatelraubmöweLabbe pomarin中贼鸥xxxxxStercorarius skuaGreat SkuaSkuaGrand Labbe北贼鸥xxxxxxSterna paradisaeaArctic TernKüstenseeschwalbeSterne arctique北极燕鸥xxxxxxUria lomviaBrünnich's Guillemot / Thick-billed MurrDickschnabellummeGuillemot de Brünnich厚嘴崖海鸦xxx	Pluvialis apricaria	European Golden Plover	Goldregenpfeifer	Pluvier doré									
Somateria mollissimaCommon EiderEiderenteEider à duvet欧绒鸭xxSomateria spectabilisKing EiderPrachteiderenteEider à tête grise王绒鸭xxStercorarius longicaudus Stercorarius parasiticusLong-tailed Skua/JaegerFalkenraubmöweLabbe à longue queue长尾贼鸥xxxxxStercorarius parasiticusArctic Skua/ Parasitic JaegerSchmarotzerraubmöweLabbe parasite短尾贼鸥xxxxxStercorarius pomarinusPomarine Skua/JaegerSpatelraubmöweLabbe pomarin中贼鸥xxxxStercorarius skuaGreat SkuaSkuaGrand Labbe北贼鸥xxxxxSterna paradisaeaArctic TernKüstenseeschwalbeSterne arctique北极燕鸥xxxxxUria lomviaBrünnich's Guillemot / Thick-billed MurrDickschnabellummeGuillemot de Brünnich厚嘴崖海鸦xx	Polgsticta stlleri	Steller's Eider	Scheckente	Eider de Steller									
Somateria spectabilisKing EiderPrachteiderenteEider à tête grise王绒鸭二二Stercorarius longicaudusLong-tailed Skua/JaegerFalkenraubmöweLabbe à longue queue长尾贼鸥二二Stercorarius parasiticusArctic Skua/ Parasitic JaegerSchmarotzerraubmöweLabbe parasite短尾贼鸥xxxxxStercorarius pomarinusPomarine Skua/JaegerSpatelraubmöweLabbe pomarin中贼鸥xxxxStercorarius skuaGreat SkuaSkuaGrand Labbe北贼鸥xxxxxSterna paradisaeaArctic TernKüstenseeschwalbeSterne arctique北极燕鸥xxxxxxUria lomviaBrünnich's Guillemot / Thick-billed MurrDickschnabellummeGuillemot de Brünnich厚嘴崖海鸦xxx	Rissa tridactyla	Black-legged Kittiwake	Dreizehenmöwe	Mouette tridactyle		x	x	x	x	x	x	x	
Stercorarius longicaudusLong-tailed Skua/JaegerFalkenraubmöweLabbe à longue queue长尾贼鸥xxxxxStercorarius parasiticusArctic Skua/ Parasitic JaegerSchmarotzerraubmöweLabbe parasite短尾贼鸥xxxxxStercorarius pomarinusPomarine Skua/JaegerSpatelraubmöweLabbe pomarin中贼鸥xxxxStercorarius skuaGreat SkuaSkuaGrand Labbe北贼鸥xxxxxSterna paradisaeaArctic TernKüstenseeschwalbeSterne arctique北极燕鸥xxxxxxUria lomviaBrünnich's Guillemot / Thick-billed MurrDickschnabellummeGuillemot de Brünnich厚嘴崖海鸦xxxx	Somateria mollissima	Common Eider	Eiderente	Eider à duvet			x					x	
Stercorarius parasiticusArctic Skua/ Parasitic JaegerSchmarotzerraubmöweLabbe parasite短尾贼鸥xxxxxStercorarius pomarinusPomarine Skua/JaegerSpatelraubmöweLabbe pomarin中贼鸥xxStercorarius skuaGreat SkuaSkuaGrand Labbe北贼鸥xxxxSterna paradisaeaArctic TernKüstenseeschwalbeSterne arctique北极燕鸥xxxxxxUria IomviaBrünnich's Guillemot / Thick-billed MurrDickschnabellummeGuillemot de Brünnich厚嘴崖海鸦xxx	Somateria spectabilis	King Eider	Prachteiderente	Eider à tête grise									
Stercorarius pomarinusPomarine Skua/JaegerSpatelraubmöweLabbe pomarin中贼鸥xStercorarius skuaGreat SkuaSkuaGrand Labbe北贼鸥Sterna paradisaeaArctic TernKüstenseeschwalbeSterne arctique北极燕鸥xxxxxUria IomviaBrünnich's Guillemot / Thick-billed MurrDickschnabellummeGuillemot de Brünnich厚嘴崖海鸦xx	Stercorarius longicaudus	Long-tailed Skua/Jaeger	Falkenraubmöwe	Labbe à longue queue	F 10 1 1 1 1 1								
Stercorarius skua Great Skua Skua Grand Labbe 北贼鸥 Sterna paradisaea Arctic Tern Küstenseeschwalbe Sterne arctique 北极燕鸥 x x x x x x Uria lomvia Brünnich's Guillemot / Thick-billed Murr Dickschnabellumme Guillemot de Brünnich 厚嘴崖海鸦 x x	Stercorarius parasiticus	Arctic Skua/ Parasitic Jaeger	Schmarotzerraubmöwe	Labbe parasite			x	x	x	x	x	x	
Sterna paradisaeaArctic TernKüstenseeschwalbeSterne arctique北极燕鸥xxxxxxUria IomviaBrünnich's Guillemot / Thick-billed MurrDickschnabellummeGuillemot de Brünnich厚嘴崖海鸦xxx	Stercorarius pomarinus	Pomarine Skua/Jaeger	Spatelraubmöwe	Labbe pomarin			x						
Uria lomvia Brünnich's Guillemot / Thick-billed Murr Dickschnabellumme Guillemot de Brünnich 厚嘴崖海鸦 x	Stercorarius skua			Grand Labbe									
	Sterna paradisaea	Arctic Tern	Küstenseeschwalbe	Sterne arctique			x	x	x	x	x	X	
Yema sahini Sahina's Gull Schwalhenmöwe Mouette de Sahina 以足廊	Uria lomvia	Brünnich's Guillemot / Thick-billed Murr	Dickschnabellumme	Guillemot de Brünnich						x			
Actiful Submite 5 Guil Schiwalization Wioucette de Sabilité X/Ettil	Xema sabini	Sabine's Gull	Schwalbenmöwe	Mouette de Sabine	叉尾鷗					x			



Flora - Wildlife List - MS FRAM 24/08 - 31/08/2025

Scientific Name	English	Deutsch	Francais	中文	24/08	25/08 26	5/08	27/08	28/08	29/08	30/08 31/08
Bistorta vipara	Alpine bistort	Knöllchen-Knöterich	Renouée vivipare	珠芽蓼							
Cassiope tetragona	Arctic white heather	Vierkantige Schuppenheide									
Cerastium arcticum	Arctic mouse-ear chickweed	Arktisches hornkraut	Céraiste arctique			х	х	(х		
Cochlearia officinalis	Scurvy-grass	Gebräuliches löffelkraut	Cranson officinal	岩荠							
Dryas octopetala	Mountain avens	Silberwurz	Dryade á 8 pétales	仙女木							
Eriophorum scheuchzeri	Arctic cottongrass	Scheuchzer`s wollgrass	Linaigrette de scheuchzer							х	
Fucus vesiculosus	Bladderwrack	Blasentang	Fucus vesiculeux							х	
Oxyria digyna	Mountain sorrel	Alpen-säuerling	Oxyria à 2 carpelles	山蓼		х	х	(х	х	
Papaver dahlianum	Svalbard poppy	Svalbard-mohn	Pavot						x	x	
Pedicularis hirsuta	Hairy lousewort	Behaartes läusekraut	Pédiculaire								
Poa alpina	Alpine bluegrass	Alpen-Rispengras	Pâturin des Alpes								
Ranunculus nivalis	Snow buttercup	Schnee-hahnenfuss	Renoncule								
Ranunculus pygmaeus	Dwarf Buttercup	Zwerg-Hahnenfuß	Renoncule naine								
Saccharina latissima	Sugar Kelp	Zuckertang	Laminaire sucree ou Baudrier de Neptune		x	x	х	<	x	х	
Salix arctica	Arctic Willow	Arktische Weide	Saule arctique								
Salix herbacea	Dwarf willow	Kraut-Weide	Saule herbacé								
Saxifraga cernua	Drooping saxifrage	Nickende Steinbrech	Saxifrage penchée	零余虎耳草		x			x	x	
Saxifraga cespitosa	Tufted saxifrage	Rasen-steinbrech	Saxifrage en touffe			x					
Saxifraga hirculus	Marsh saxifrage	Moor-steinbrech	Saxifrage œil-de-bouc	山羊臭虎耳草		х					
Saxifraga nivalis	Alpine saxifrage	Schnee-steinbrech	Saxifrage arctique			х					
Saxifraga oppositifolia	Purple saxifrage	Roter steinbrech	Saxifrage á feuilles opposées	挪威虎耳草							
Saxifraga oppositifolia	Purple saxifrage	Roter steinbrech	Saxifrage á feuilles opposées			x	х	(
Saxifraga platysepala	Spider plant	Ffaden-steinbrech	Saxifrage des spitzberg			x					
Saxifraga platysepala	Spider plant	Ffaden-steinbrech	Saxifrage des spitzberg								
Saxifrage aizoides	Yellow Saxifrage	Fetthennen-Steinbrech	Saxifrage faux Orpin						х		
Silene acaulis	Moss campion	Stengelloses leimkraut	Silène acaule							x	



Thank you all for your contribution to science!