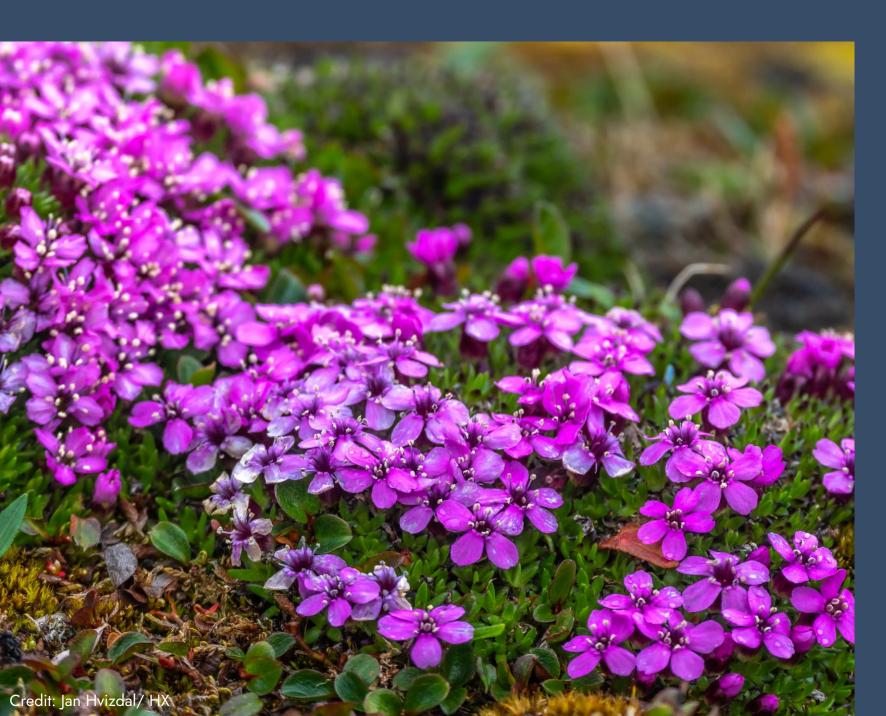


MS FRAM 27th July- 05th August 2025

Circumnavigating Svalbard





Citizen Science

Inaturalist

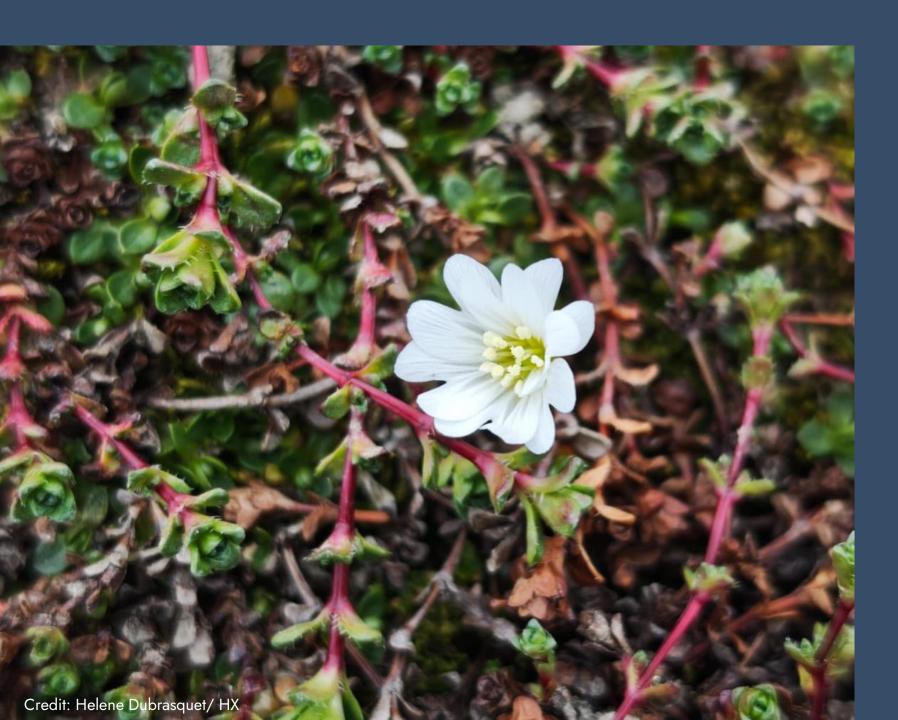
We submitted 36 observations to Inaturalist.
You can view our observations by clicking here.

Ebird

We submitted 31 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 three time during this voyage.



iNaturalist

On our voyage we submitted 36 observations identifying 21 different 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.



eBird

On our voyage we conducted 31 surveys, observed 20 bird species and counted a total of 1261 individuals. The most abundant species were the black legged kittiwake followed by the thick billed murre. 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 Enzo & Liam 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 circumnavigation around Spitsbergen, we saw a diversity of marine mammals including polar bears, minke whales, belugas, walrus, harbour seals, harp seals, and even the rare hooded seal!

If you managed to take photographs of any markings or scarring on whales or seals, you can still submit these to happywhale.com once you are home.

You can do the same for any older photos you may have from years gone by, this can give us a better idea of how long individuals sighted recently have been alive for!

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

Click here to visit the HappyWhale Project.

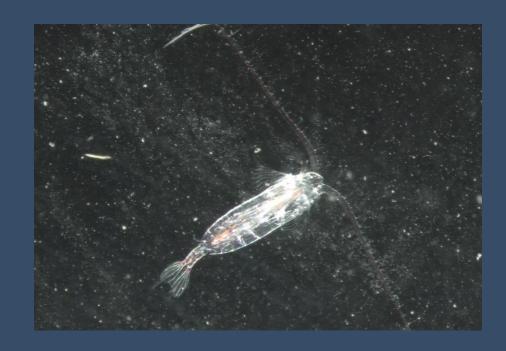


Science Boat

On our voyage we conducted 5 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 used the microscopes in the science centre to identify plankton caught during the science boats. Phytoplankton was almost null whereas zooplankton was abundant, with a variety of copepods, invertebrates larvae and eggs found in our samples. Please see the following slide for more pictures of plankton caught during our voyage.

Click here to visit the Secchi Disc Project and view the Secchi data.



Mr. Copepod. Calanus finmarchicus



Dinoflagellate *Tripos* sp.



Planktonics Project — eDNA around Svalbard

This project aims to describe the diversity of 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 three times (Alicehamna, Monacobreen & Burgerbukta) 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.





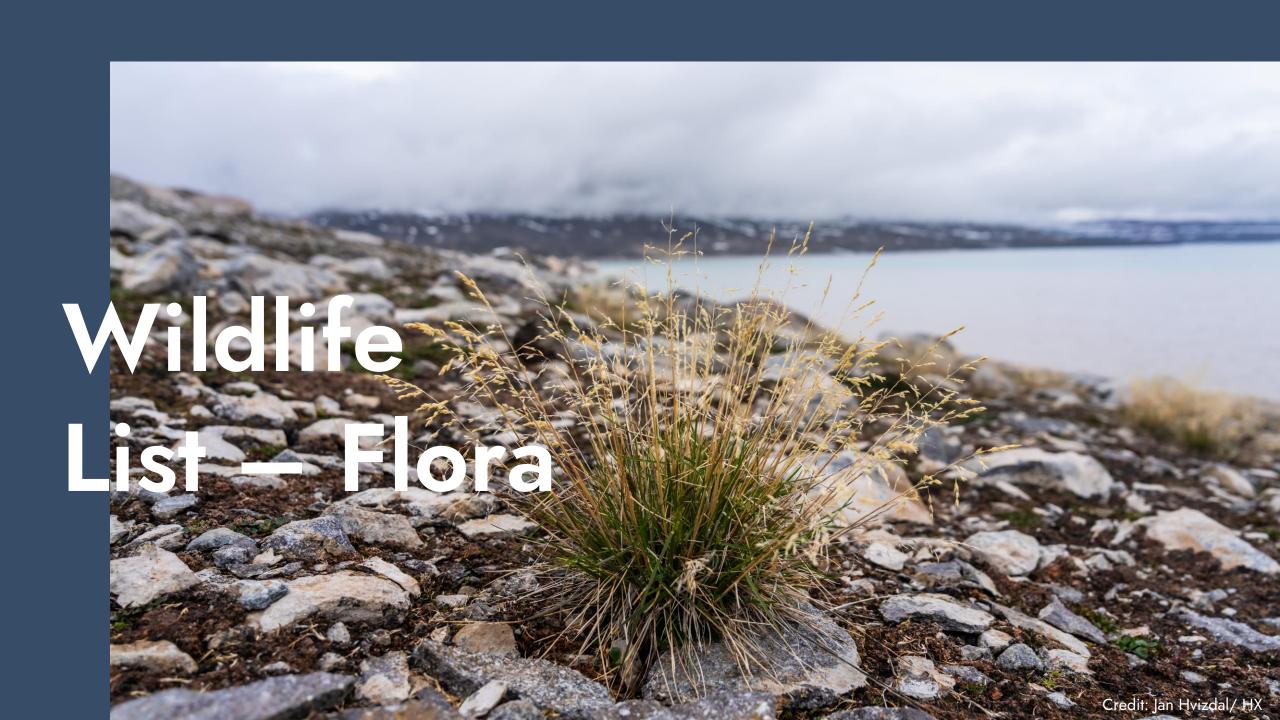


				\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \										
Cetaceans														
Scientific Name	English	Deutsch	Francais	中文	27/07	28/07	29/07	30/07	31/07	01/08	02/08	03/08	04/08	05/08
Balaenoptera acutorostrata	Common Minke Whale	Zwergwal	Petit rorqual	小须鲸		X	X	Х		X				
Balaenoptera musculus	Blue Whale	Blauwal	Rorqual bleu	蓝鲸										
Balaenoptera physalus	Fin Whale	Finnwal	Rorqual commun	长须鲸/鳍鲸										
Megaptera novaeangliae	Humpback Whale	Buckelwal		座头鲸										
Delphinapterus leucas	Beluga Whale	Weißwal	Béluga	白鲸		Х						Х		
Lagenorhynchus albirostris	White-beaked Dolphin	Weißschnau zendelfin	Lagénorhynque à bec blanc	白喙海豚										
Physeter macrocephalus	Sperm Whale	Pottwal	Grand cachalot	抹香鲸										
-	Unidentified whale	Nicht identifiziert er Wal	Non identifié Baleine	未识别鲸类		х								
•	and Polar Bear													
Scientific Name	- 10 1					`	~ ~ . ~ ~	` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` `						
Scientific Name	English	Deutsch	Francais	中文	27/07	28/07	29/07	30/07	31/07	01/08	02/08	03/08	04/08	05/08
Erignathus barbatus	English Bearded Seal	Deutsch Bartrobbe		中又 髯海豹	27/07	28/07	29/07 x	30/07 x	31/07 x	01/08	02/08	03/08	04/08	05/08
• • • • • • • • • • • • • • • • • • • •	·		Phoque barbu		27/07	28/07 x	29/07 x	30/07 ×	31/07 x	01/08	02/08	03/08	04/08	05/08
Erignathus barbatus	Bearded Seal	Bartrobbe Seehund	Phoque barbu Phoque veau-marin	髯海豹	27/07	28/07 x	29/07 x	x	x x	01/08	02/08	03/08 x	04/08	05/08
Erignathus barbatus Phoca vitulina	Bearded Seal Harbour Seal, Common Seal	Bartrobbe Seehund	Phoque barbu Phoque veau-marin	髯海豹 港海豹	27/07	28/07 x	х	x x	Х	01/08 x	02/08 x		04/08	05/08
Erignathus barbatus Phoca vitulina Pusa hispida	Bearded Seal Harbour Seal, Common Seal Ringed Seal	Bartrobbe Seehund Ringelrobbe	Phoque barbu Phoque veau-marin Phoque annelé Morse	髯海豹 港海豹 环斑海豹	27/07	28/07 x	х	х	Х				04/08	05/08
Erignathus barbatus Phoca vitulina Pusa hispida Odobenus rosmarus	Bearded Seal Harbour Seal, Common Seal Ringed Seal Walrus	Bartrobbe Seehund Ringelrobbe Walross Klappmütze nrobbe	Phoque barbu Phoque veau-marin Phoque annelé Morse	髯海豹港海豹环斑海豹海象	27/07	28/07 x	х	х	x				04/08	05/08
Erignathus barbatus Phoca vitulina Pusa hispida Odobenus rosmarus Cystophora cristata	Bearded Seal Harbour Seal, Common Seal Ringed Seal Walrus Hooded seal	Bartrobbe Seehund Ringelrobbe Walross Klappmütze nrobbe	Phoque barbu Phoque veau-marin Phoque annelé Morse Phoque à capuchon	等海約港海約环斑海豹海象冠海豹	27/07	28/07 x	х	x	x x				04/08	05/08
Erignathus barbatus Phoca vitulina Pusa hispida Odobenus rosmarus Cystophora cristata Pagophilus groenlandicus	Bearded Seal Harbour Seal, Common Seal Ringed Seal Walrus Hooded seal Harp/Greenland seal Polar Bear	Bartrobbe Seehund Ringelrobbe Walross Klappmütze nrobbe Sattelrobbe	Phoque barbu Phoque veau-marin Phoque annelé Morse Phoque à capuchon Phoque du Groenland	髯海豹港海豹环斑海豹海象冠海豹竖琴海豹	27/07	28/07 x	х	x	x x x		х		04/08	05/08
Erignathus barbatus Phoca vitulina Pusa hispida Odobenus rosmarus Cystophora cristata Pagophilus groenlandicus Ursus maritimus	Bearded Seal Harbour Seal, Common Seal Ringed Seal Walrus Hooded seal Harp/Greenland seal Polar Bear	Bartrobbe Seehund Ringelrobbe Walross Klappmütze nrobbe Sattelrobbe Eisbär	Phoque barbu Phoque veau-marin Phoque annelé Morse Phoque à capuchon Phoque du Groenland	髯海豹港海豹环斑海豹海象冠海豹竖琴海豹		X	x x	x	x x x x	x	х	x		
Erignathus barbatus Phoca vitulina Pusa hispida Odobenus rosmarus Cystophora cristata Pagophilus groenlandicus Ursus maritimus Land Mamn	Bearded Seal Harbour Seal, Common Seal Ringed Seal Walrus Hooded seal Harp/Greenland seal Polar Bear	Bartrobbe Seehund Ringelrobbe Walross Klappmütze nrobbe Sattelrobbe Eisbär	Phoque barbu Phoque veau-marin Phoque annelé Morse Phoque à capuchon Phoque du Groenland L'ours blanc	解海約港海約环海取海短基水水水 <td></td> <td>X</td> <td>x x</td> <td>x</td> <td>x x x x</td> <td>x</td> <td>x</td> <td>x</td> <td></td> <td></td>		X	x x	x	x x x x	x	x	x		
Erignathus barbatus Phoca vitulina Pusa hispida Odobenus rosmarus Cystophora cristata Pagophilus groenlandicus Ursus maritimus Land Mamr Scientific Name	Bearded Seal Harbour Seal, Common Seal Ringed Seal Walrus Hooded seal Harp/Greenland seal Polar Bear English	Bartrobbe Seehund Ringelrobbe Walross Klappmütze nrobbe Sattelrobbe Eisbär	Phoque barbu Phoque veau-marin Phoque annelé Morse Phoque à capuchon Phoque du Groenland L'ours blanc Français Renne	解海豹港海豹环境象冠海豹整数L整数中文		X	x x	x	x x x x	x	x	x		

Wildlife List – Birds

Birds - Wildlife List - MS FRAM 27/07 to 05/08 2025

Scientific Name	English	Deutsch	Francais	中文	27/07	28/07	29/07	30/07	31/07	01/08	02/08	03/08	04/08	05/08
Alle alle	Little Auk/Dovekie	Krabbentaucher	Mergule nain	侏海雀	X	X			Х		X			
Anser brachyrhynchus	Pink-footed Goose	Kurzschnabelgans		粉脚雁									Х	
Arenaria interpres	Ruddy turnstone	Steinwälzer	Tournepierre à collier	翻石鹬										
Branta bernicla	Brant Goose	Ringelgans	Bernache cravant	黑雁										
Branta leucopsis	Barnacle Goose	Weißwangengans	Bernache nonnette	白颊黑雁	X	X					X			
Calidris alba	Sanderling	Sanderling	Bécasseau sanderling	三趾濱鷸										
Calidris maritima	Purple Sandpiper	Meerstrandläufer	Bécasseau violet	紫滨鹬	X	X	X				X		X	
Cepphus grylle	Black Guillemot	Gryllteiste	Guillemot à miroir	白翅斑海鸽		X	X	X	X	X	X		X	
Charadrius hiaticula	Common Ringed Plover	Sandregenpfeifer	Pluvier grand-gravelot	環頸鴴		X								
Clangula hyemalis	Long-tailed duck	Eisente	Harelde boréale	长尾鸭			X							
Fratercula arctica	Atlantic Puffin	Papageitaucher	Macareux moine	北极海鹦		X	X		X		X	X		
Fulmarus glacialis	Northern Fulmar	Eissturmvogel	Fulmar boréal	暴雪鹱		X	X	X	X	X	X	X	X	
Gavia stellata	Red-throated Diver/Loon	Sterntaucher	Plongeon catmarin	紅喉潛鳥		X	X				X			
Lagopus mytus	Rock Ptarmigan	Alpenschneehuhn	Lagopède alpin	岩雷鸟										
Larus hyperboreus	Glaucous Gull	Eismöwe	Goéland bourgmestre	北极 <mark>鸥</mark>		X	X	Х		Х	X		Х	
Mergus serrator	Red-breasted Merganser	Mittelsäger	Harle huppé	红胸秋沙鸭										
Pagophila eburnea	Ivory Gull	Elfenbeinmöwe	Mouette blanche	白鴎				X	X	X			X	
Phalaropus fulicarius	Grey/Red Phalarope	Thorshühnchen	Phalarope à bec large	灰瓣蹼鹬										
Plectrophenax nivalis	Snow Bunting	Schneeammer	Plectrophane des neiges	雪鵐		Х	X				X		Х	
Pluvialis apricaria	European Golden Plover	Goldregenpfeifer	Pluvier doré	欧金鸻										
Polgsticta stlleri	Steller's Eider	Scheckente	Eider de Steller	小绒鸭										
Rissa tridactyla	Black-legged Kittiwake	Dreizehenmöwe	Mouette tridactyle	三趾鸥	X	Х	X	Х	X	Х	X	X	Х	
Somateria mollissima	Common Eider	Eiderente	Eider à duvet	欧绒鸭			X				X		X	
Somateria spectabilis	King Eider	Prachteiderente	Eider à tête grise	王绒鸭							X			
Stercorarius longicaudus	Long-tailed Skua/Jaeger	Falkenraubmöwe	Labbe à longue queue	长尾贼鸥					X				X	
Stercorarius parasiticus	Arctic Skua/ Parasitic Jaeger	Schmarotzerraubmöwe	Labbe parasite	短尾贼鸥		X	X	Х			X			
Stercorarius pomarinus	Pomarine Skua/Jaeger	Spatelraubmöwe	Labbe pomarin	中贼鸥		Х			X		X			
Stercorarius skua	Great Skua	Skua	Grand Labbe	北贼鸥		X	X	Х						
Sterna paradisaea	Arctic Tern	Küstenseeschwalbe	Sterne arctique	北极燕鸥	X	X	X	Х	X	X	X	X	Х	
Uria lomvia	Brünnich's Guillemot / Thick-billed Murre	Dickschnabellumme	Guillemot de Brünnich	厚嘴崖海鸦	X	X			X	X				
Xema sabini	Sabine's Gull	Schwalbenmöwe	Mouette de Sabine	叉尾鷗										



Flora - Wildlife List - MS FRAM 27/07 to 05/08 2025

Scientific Name	English	Deutsch	Francais	中义	2//0/	20/0/	29/07	30/07	31/0/	01/08	02/08	03/08	04/08	05/08
Bistorta vipara	Alpine bistort	Knöllchen-Knöterich	Renouée vivipare	珠芽蓼		X		X					X	
Cassiope tetragona	Arctic white heather	Vierkantige Schuppenheid	de											
Cerastium arcticum	Arctic mouse-ear chickweed	Arktisches hornkraut	Céraiste arctique					X					X	
Cochlearia officinalis	Scurvy-grass	Gebräuliches löffelkraut	Cranson officinal	岩荠										
Dryas octopetala	Mountain avens	Silberwurz	Dryade á 8 pétales	仙女木				X			X			
Eriophorum scheuchzeri	Arctic cottongrass	Scheuchzer`s wollgrass	Linaigrette de scheuchzer											
Fucus vesiculosus	Bladderwrack	Blasentang	Fucus vesiculeux											
Oxyria digyna	Mountain sorrel	Alpen-säuerling	Oxyria à 2 carpelles	山蓼				X					X	
Papaver dahlianum	Svalbard poppy	Svalbard-mohn	Pavot											
Pedicularis hirsuta	Hairy lousewort	Behaartes läusekraut	Pédiculaire					X						
Ranunculus nivalis	Snow buttercup	Schnee-hahnenfuss	Renoncule											
Ranunculus pygmaeus	Dwarf Buttercup	Zwerg-Hahnenfuß	Renoncule naine					Χ						
Salix arctica	Arctic Willow	Arktische Weide	Saule arctique	北极柳				X					X	
Salix herbacea	Dwarf willow	Kraut-Weide	Saule herbacé											
Saxifraga cernua	Drooping saxifrage	Nickende Steinbrech	Saxifrage penchée	零余虎耳草		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										
Saxifraga nivalis	Alpine saxifrage	Schnee-steinbrech	Saxifrage arctique											
Saxifraga oppositifolia	Purple saxifrage	Roter steinbrech	Saxifrage á feuilles opposées	挪威虎耳草										
Saxifraga platysepala	Spider plant	Ffaden-steinbrech	Saxifrage des spitzberg											
Silene acaulis	Moss campion	Stengelloses leimkraut	Silène acaule			X		X				_		



Thank you all for your contribution to science!