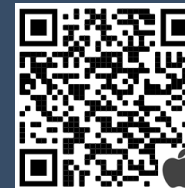


The background of the slide features a deep blue underwater scene with two whales swimming. A large, semi-transparent 'HIV' watermark is overlaid on the left side of the image. The title 'Science & Education Report' is centered in white text.

Science & Education Report

MS FRAM



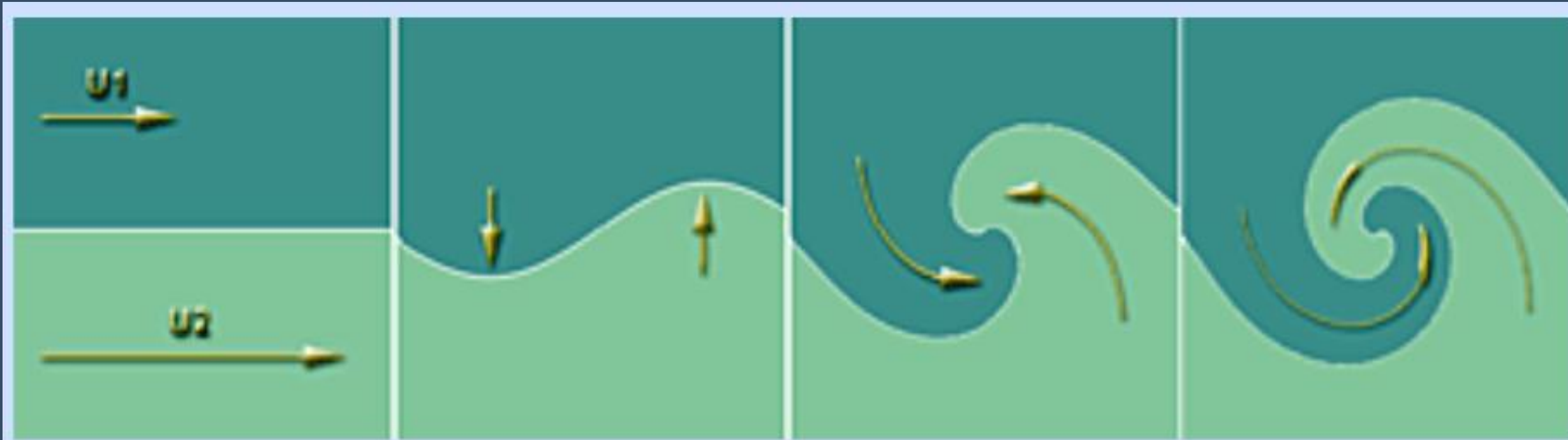
NASA Globe Cloud Observer

Together with Laura and Ashton, you collected 4 observations of clouds for the citizen science project of NASA.

The clouds pictured here are Kelvin-Helmholtz clouds, also known as wave clouds. These clouds form due to wind shear, where two layers of air move at different speeds and/or different directions, creating an instability at the interface between the layers.

[Click here to view our data](#) on the global map.

Kelvin-Helmholtz clouds





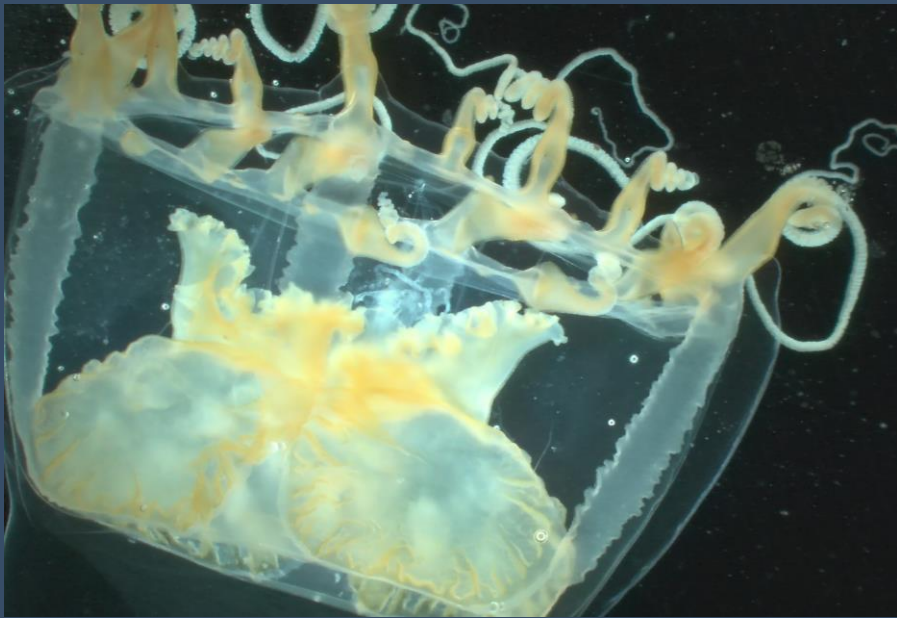
Science Boat

On our voyage we conducted 4 Science Boats during which we collected Secchi disc measurements, plankton samples, and hydrophone recordings.

The abundance and diversity of plankton was impressive. Please see the following slide for pictures.

[Click here to visit the Secchi Disc Project and view the Secchi data.](#)

Picture by Vivi Bolin



Jellyfish



Barnacle and polychete larvae



Copepod larvae and adult



Close up of stomach of barnacle larvae showing phytoplankton

Event in progress



2025-05-26 Fram Iceland, Jan Mayen, Spitsbergen

May 26, 2025 - Jun 8, 2025

About

Members 7

Observations from guests and expedition team our trip onboard MS Fram and onshore in Iceland, Jan Mayen and Svalbard.

[Read More >](#)

[Your Membership](#)

[Edit Project](#)

[Project Journal](#)

Overview

145
OBSERVATIONS

82
SPECIES

47
IDENTIFIERS

4
OBSERVERS

[Stats](#)



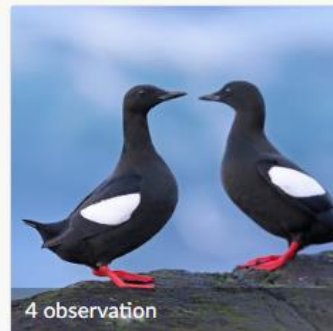
5 observation

Purple Saxifrage
Saxifraga oppositifolia



4 observation

Northern Fulmar
Fulmarus glacialis



4 observation

Black Guillemot
Cepphus grylle



4 observation

Caribou
Rangifer tarandus



4 observation

Alpine Sorrel
Oxyria digyna

iNaturalist

Thanks to your efforts, we collected an astonishing 145 observations for iNaturalist.

[View our iNaturalist project and to submit your own observations please click here.](#)





e-Bird

Your onboard ornithologists completed 39 eBird checklists of 67 different species.

[View our data in our e-Bird trip report.](#)



Marine Mammals sightings

Species name	Days sighted
Blue whale	2
Fin whale	2
Humpback whale	3
Minke whale	3
Norther Bottlenose whale	2
White-beaked dolphin	1
Unidentified whale	1
Walrus	1
Harbour (Common) seal	1

This trip was a big success in terms of diversity. We observed at least 9 different species of marine mammals, from the biggest whale in the world to the second biggest pinniped. Thank you for spending some hours on open deck looking for wildlife



Photo: Lilia Gonzalez / HX

Happywhale




Photo: Lilia Gonzalez /HX

One humpback whale fluke was submitted during this trip to Happywhale for identification

Happywhale








Hermione (Husavik)

ID HRC-MN1231
SEX Unknown
Humpback Whale

Sightings: 5

First:  2023-06-24
Northeast, Iceland

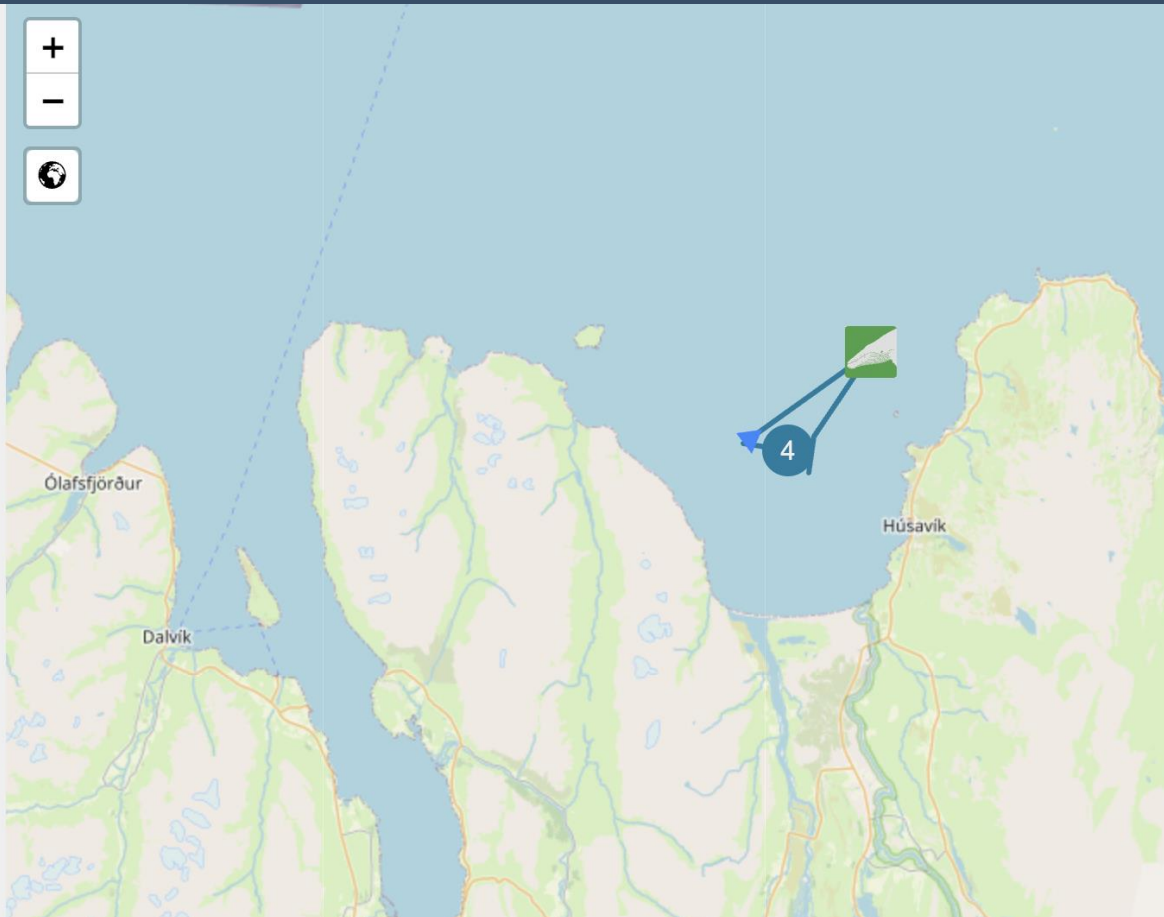
Last:  2025-06-01
Northeast, Iceland

Followers 2 [Follow](#) 

Seen this individual?

[Share Your Experience](#)

☐ Show My Encounters Only



It was successfully identified as Hermione Husavik, and it is a whale that has been sighted in the same area five times since 2023. You can follow its story [here](#)

Please continue to upload any individually identifiable pictures of whales, dolphins, or seals, you may have to happywhale.com when home, especially old photos from past encounters (the older the better!). Finally, a big thank you to all of you that provided your pictures and videos for submission on board.

[View our submissions to Happywhale](#)



Photo: Lilia Gonzalez / HX

Mammals and Birds Wildlife Lists

All of the species seen and the days they were spotted!

[illegible]

Land Mammals - Wildlife List - MS FRAM 26/05 to 08/06 2025

[illegible]

[← My Trip Reports](#)

2025 May26th - June 08th Iceland, Jan Mayen, Spitsbergen – Arctic Islands Discovery (Eastbound)

26 May – 8 Jun 2025 (14 days)

Public

[Iceland](#) | [Svalbard](#) [Subregions](#)

[Science Coordinator MS FRAM,](#)
George Swan



 65

Species Observed

+3 other taxa

 19

Checklists

 1

Species with Photos

At 19 different locations we were able to observe an impressive 65 different species of birds. Two of my favourite were the short-eared owl seen during the walk in Husavik and the pomarine skua near Jan Mayen (this was rare enough for eBird to ask for a photo as proof!).

Birds - Wildlife List - MS FRAM 26/05 to 08/06 2025

[illegible]

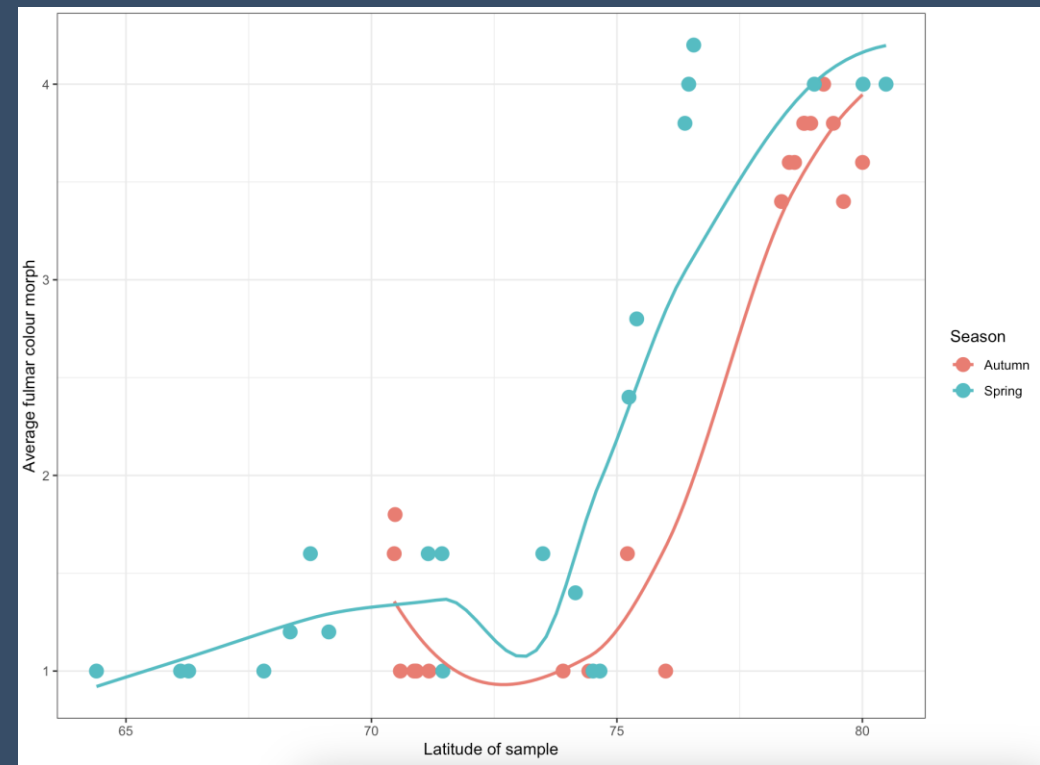
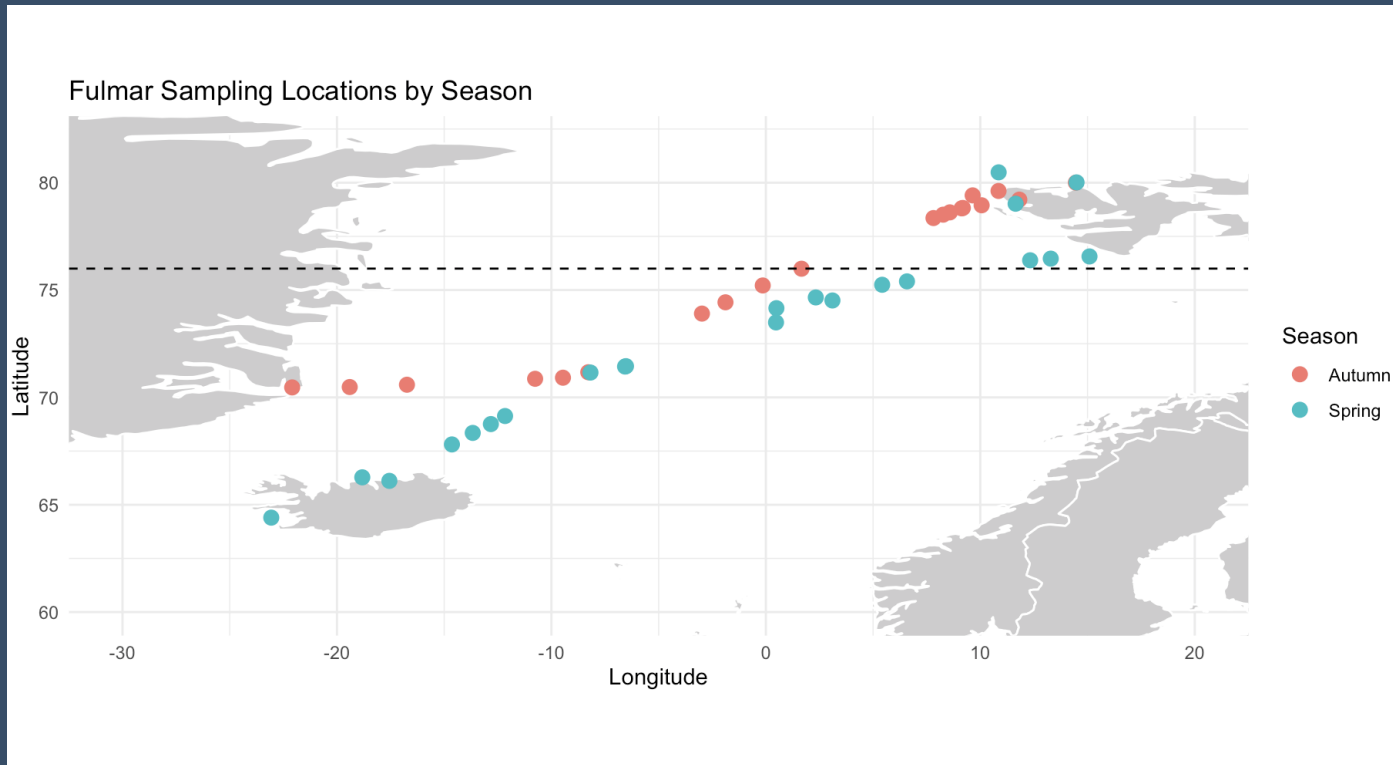
Birds - Wildlife List - MS FRAM 26/05 to 08/06 2025

[illegible]

Wildlife List - Marine Mammals



George's fulmar project



We used the journey to conduct a little project on how fulmar plumage changes with latitude. By grading the plumage of fulmars on a 5 point scale (1 being lightest and 5 being darkest) at 42 locations during our voyage (and a previous one in late July 2024) we were able to show 1. that mutation that results in very dark birds is fairly localised in the Svalbard population, 2. that that fulmar in the north Atlantic below 76 degrees (the dashed line on the map) are probably birds from Iceland coming up and not the birds from Svalbard coming down and 3, that these ranges shift about 2 degrees (about 220km) north during the summer.



IX

Connect with your
inner scientist