



Science & Education Report

MS FRAM

MS FRAM 19th – 29th May 2024

Circumnavigating Iceland – The Land of
Elves, Sagas, and Volcanos.



Picture by Luis Lalama



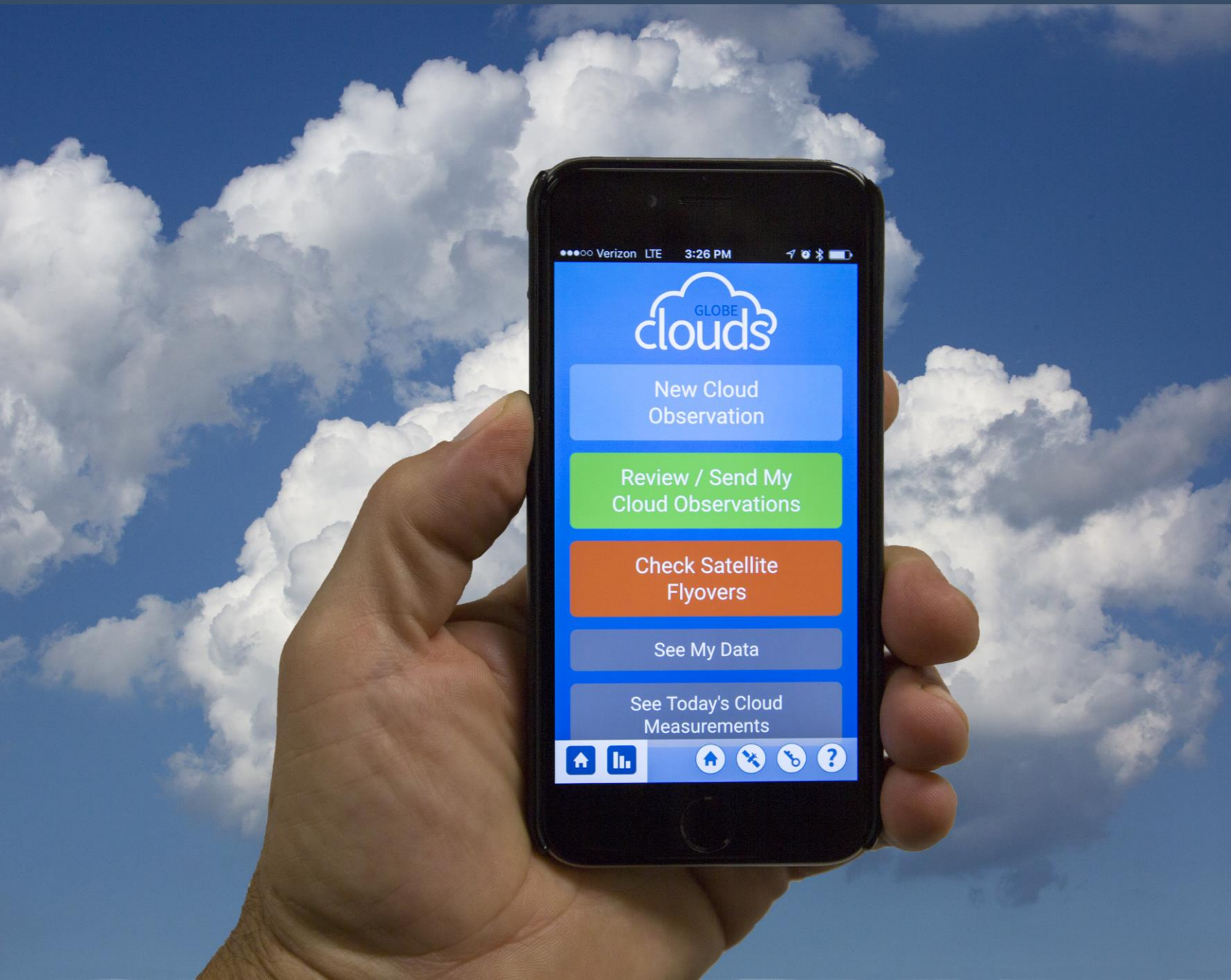
Science & education program

Picture by Vivi Bolin

History, culture and crafts

Together with our historians and cultural interpreter you explored Icelandic culture and history through lectures, storytelling and guided walks. Many of you also made beautiful animal portraits together with our historian Sandra.





NASA cloud observer

Together with our Environmental Scientist, Linda, you submitted 3 cloud observations to NASA using the GLOBE observer app.

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



Science Boat

On our voyage we conducted 2 Science Boats in Bakkagerdi, during which we collected plankton samples, Secchi depth measurements and CTD (Conductivity, Temperature and Depth) readings.

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

Picture by Vivi Bolin



Plankton samples

As part of the Science Boats we collected plankton samples which contained a wide variety of zooplankton and phytoplankton. Diatoms (pictured left), a single-celled phytoplankton with transparent walls made of silica, dominated many of our samples.



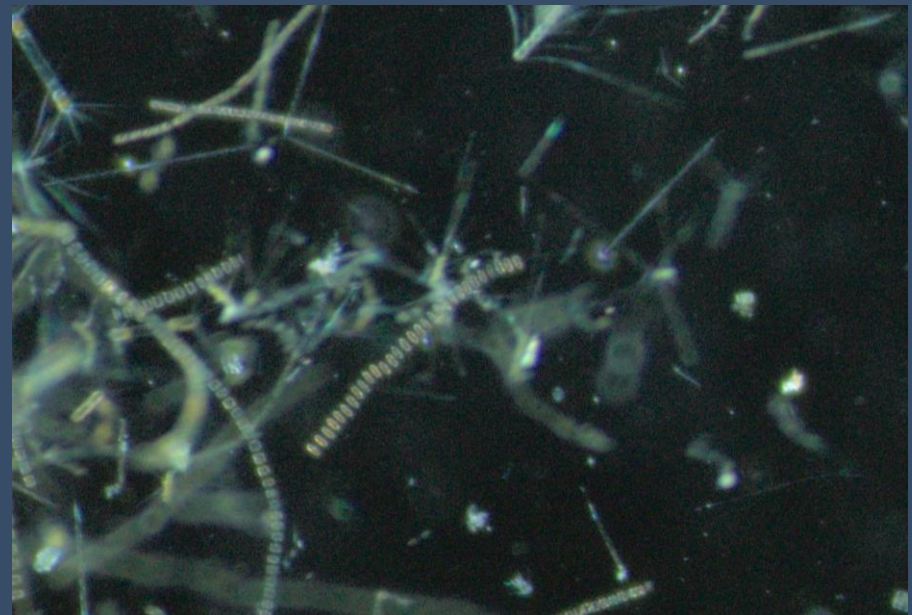
Nauplius larvae of barnacles.



Larvae of a Mysidae shrimp.



A female copepod in the genus *Acanthocyclops*. The egg sack she is carrying is in the process of hatching.



Chains of diatoms.



Common scurvy grass (*Cochlearia officinalis*),
Picture by Vivi Bolin

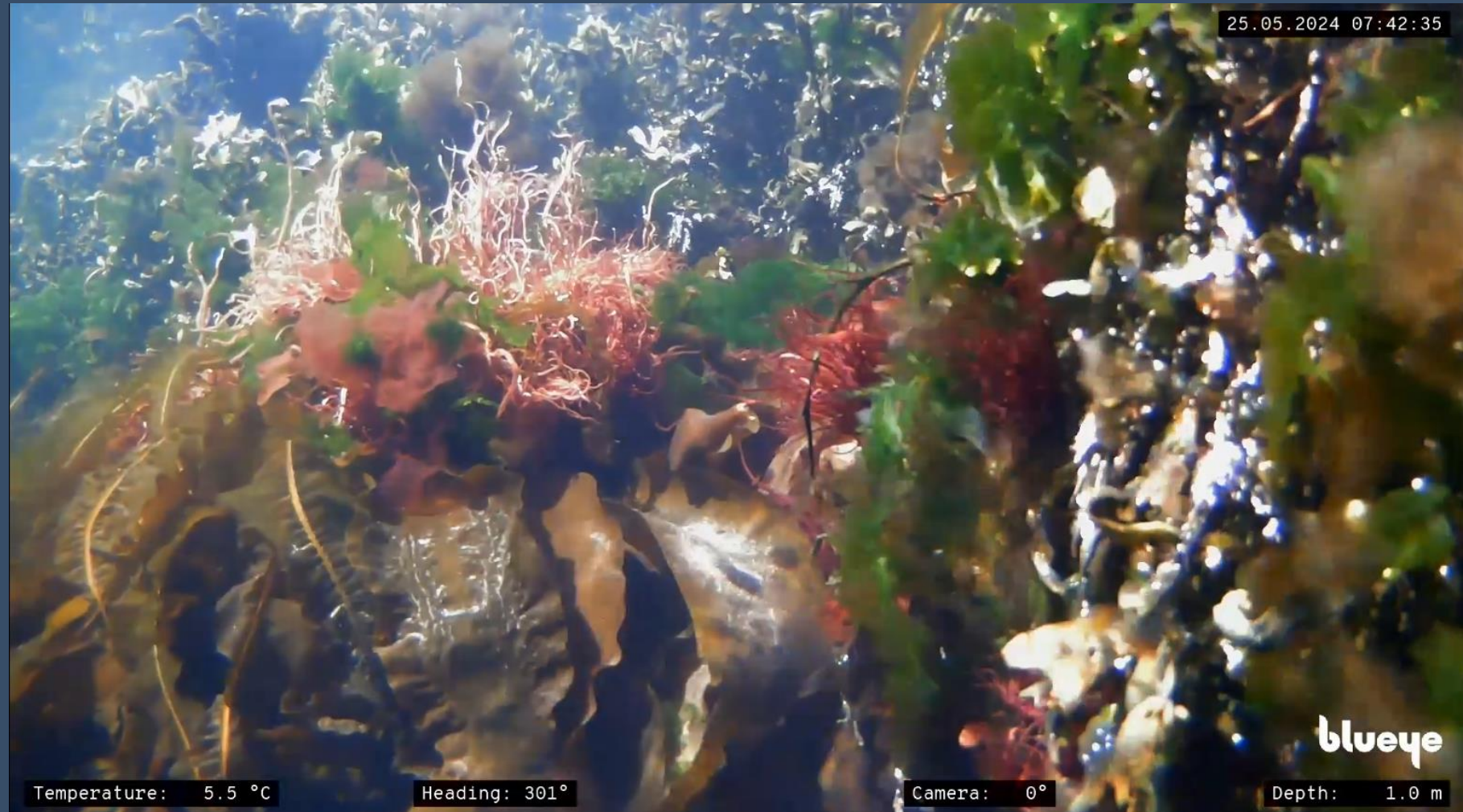
iNaturalist

We submitted a total of 38 observations of 43 different species using the citizen science app iNaturalist, including 17 different species of birds and 15 different species of plants.

View our iNaturalist observations by [clicking this link.](#)

Underwater drone

We used our Blueye Drone to explore the underwater world of Grimsey island. [Follow this link](#) to see the rich diversity of colourful seaweeds, including Palmaria (dulse), Ulva (sea lettuce) and Alaria (dabberlocks).



View the highlights from our underwater drone footage [on YouTube](#).



E-bird

Together with our onboard ornithologist, Enzo, you identified and counted 61 different species of birds and submitted 67 checklists to Ebird.

View our Ebird data by [clicking this link.](#)

Wildlife List - Birds



Wildlife List – Seabirds

SCIENTIFIC NAME	ENGLISH	DEUTSCH	FRANÇAIS
<i>Alca torda</i>	Razorbill	Tordalk	Petit Pingouin
<i>Fratercula arctica</i>	Atlantic Puffin	Papageitaucher	Macareux moine
<i>Cephus grylle</i>	Black Guillemot	Gryllteiste	Guillemot à miroir
<i>Uria aalge</i>	Common Guillemot/Murre	Trottellumme	Guillemot marmette
<i>Chroicocephalus ridibundus</i>	Black-headed Gull	Lachmöwe	Mouette rieuse
<i>Larus marinus</i>	Great Black-backed Gull	Mantelmöwe	Goéland marin
<i>Larus fuscus</i>	Lesser Black-backed Gull	Heringsmöwe	Goéland brun
<i>Larus argentatus</i>	Herring Gull	Silbermöwe	Goéland argenté
<i>Larus glaucoides</i>	Iceland Gull	Polarmöwe	Goéland arctique
<i>Larus hyperboreus</i>	Glaucous Gull	Eismöwe	Goéland bourgmestre
<i>Rissa tridactyla</i>	Black-legged Kittiwake	Dreizehenmöwe	Mouette tridactyle
<i>Sterna paradisaea</i>	Arctic Tern	Küstenseeschwalbe	Sterne arctique
<i>Phalacrocorax aristotelis</i>	European Shag	Krähenscharbe	Cormoran huppé
<i>Phalacrocorax carbo</i>	Great Cormorant	Kormoran	Grand Cormoran

Wildlife List – Seabirds

SCIENTIFIC NAME	ENGLISH	DEUTSCH	FRANÇAIS
<i>Puffinus puffinus</i>	Manx Shearwater	Atlantiksturmtaucher	Puffin des Anglais
<i>Fulmarus glacialis</i>	Northern Fulmar	Eissturmvogel	Fulmar boréal
<i>Stercorarius longicaudus</i>	Long-tailed Skua/Jaeger	Falkenraubmöwe	Labbe à longue queue
<i>Stercorarius parasiticus</i>	Arctic Skua/ Parasitic Jaeger	Schmarotzerraubmöwe	Labbe parasite
<i>Stercorarius skua</i>	Great Skua	Skua	Grand Labbe
<i>Morus bassanus</i>	Northern Gannet	Basstölpel	Fou de Bassan

Wildlife List – Water birds

SCIENTIFIC NAME	ENGLISH	DEUTSCH	FRANÇAIS
<i>Anas crecca</i>	Eurasian Teal	Krickente	Sarcelle d'hiver
<i>Anas platyrhynchos</i>	Mallard	Stockente	Canard colvert
<i>Anser anser</i>	Greylag Goose	Graugans	Oie cendrée
<i>Branta bernicla</i>	Brant Goose	Ringelgans	Bernache cravant
<i>Bucephala islandica</i>	Barrow's Goldeneye	Spatelente	Garrot d'Islande
<i>Clangula hyemalis</i>	Long-tailed Duck	Eisente	Harelde kakawi
<i>Cygnus cygnus</i>	Whooper Swan	Singschwan	Cygne chanteur
<i>Histrionicus histrionicus</i>	Harlequin Duck	Kragenente	Arlequin plongeur
<i>Mareca penelope</i>	Eurasian Wigeon	Pfeifente	Canard siffleur
<i>Mergus serrator</i>	Red-breasted Merganser	Mittelsäger	Harle huppé
<i>Somateria mollissima</i>	Common Eider	Eiderente	Eider à duvet
<i>Charadrius hiaticula</i>	Common Ringed Plover	Sandregenpfeifer	Pluvier grand-gravelot
<i>Pluvialis apricaria</i>	European Golden Plover	Goldregenpfeifer	Pluvier doré
<i>Gavia immer</i>	Common Diver/Loon	Eistaucher	Plongeon huard
<i>Gavia stellata</i>	Red-throated Diver/Loon	Sterntaucher	Plongeon catmarin
<i>Haematopus ostralegus</i>	Eurasian Oystercatcher	Austernfischer	Huïtrier pie
<i>Podiceps auritus</i>	Slavonian/Horned Grebe	Ohrentaucher	Grèbe esclavon

Wildlife List – Water birds

SCIENTIFIC NAME	ENGLISH	DEUTSCH	FRANÇAIS
<i>Arenaria interpres</i>	Ruddy Turnstone	Steinwälzer	Tournepierre à collier
<i>Calidris alba</i>	Sanderling	Sanderling	Bécasseau sanderling
<i>Calidris alpina</i>	Dunlin	Alpenstrandläufer	Bécasseau variable
<i>Calidris canutus</i>	Red Knot	Knutt	Bécasseau maubèche
<i>Gallinago gallinago</i>	Common Snipe	Bekassine	Bécassine des marais
<i>Limosa limosa</i>	Black-tailed Godwit	Uferschnepfe	Barge à queue noire
<i>Numenius phaeopus</i>	Whimbrel	Regenbrachvogel	Courlis corlieu
<i>Phalaropus lobatus</i>	Red-necked Phalarope	Odinshühnchen	Phalarope à bec étroit
<i>Tringa totanus</i>	Common Redshank	Rotschenkel	Chevalier gambette
<i>Aythya fuligula</i>	Tufted Duck	Reiherente	Fuligule morillon

Wildlife List – Land birds

SCIENTIFIC NAME	ENGLISH	DEUTSCH	FRANÇAIS
<i>Columba livia</i>	Rock Dove	Felsentaube	Pigeon biset
<i>Corvus corax</i>	Northern Raven	Kolkrabe	Grand Corbeau
<i>Falco columbarius</i>	Merlin	Merlin	Faucon émerillon
<i>Acanthis flammea</i>	Common Redpoll	Birkenzeisig	Sizerin flammé
<i>Plectrophenax nivalis</i>	Snow Bunting	Schneeammer	Plectrophane des neiges
<i>Anthus pratensis</i>	Meadow Pipit	Wiesenpieper	Pipit farlouse
<i>Motacilla alba</i>	White Wagtail	Bachstelze	Bergeronnette grise
<i>Oenanthe oenanthe</i>	Northern Wheatear	Steinschmätzer	Traquet motteux
<i>Lagopus muta</i>	Rock Ptarmigan	Alpenschneehuhn	Lagopède des alpin
<i>Sturnus vulgaris</i>	European Starling	Star	Étourneau sansonnet
<i>Turdus iliacus</i>	Redwing	Rotdrossel	Grive mauvis
<i>Turdus merula</i>	Common Blackbird	Amsel	Merle noir

Wildlife List - Marine mammals



Wildlife List – Marine mammals



SCIENTIFIC NAME	ENGLISH	DEUTSCH	FRANÇAIS
<i>Balaenoptera acutorostrata</i>	Common minke whale	Zwergwal	Rorqual à museau pointu
<i>Megaptera novaeangliae</i>	Humpback whale	Buckelwal	Baleine à bosse
<i>Lagenorhynchus albirostris</i>	White-beaked dolphin	Weißschnauzendelfin	Lagénorhynque à bec blanc
<i>Phocoena phocoena</i>	Harbour porpoise	Schweinswal	Marsouin commun
<i>Halichoerus grypus</i>	Gray seal	Kegelrobbe	Phoque gris
<i>Phoca vitulina</i>	Harbour seal, common seal	Seehund	Phoque veau-marin

Happywhale

We submitted 2 humpback tail flukes and 1 dolphin sighting to Happywhale. Happywhale uses the images of humpback flukes to look for photo ID matches in their catalogue. One humpback whale (pictured) that we sighted in Steingrímshöfn turned out to be a known individual called «Zoya».

[View our submissions](#) to Happywhale and [submit your own images](#).



Picture by Vivi Bolin



HX

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inner scientist**