

The background of the slide features a deep blue underwater scene with two whales. A large, semi-transparent watermark consisting of the Roman numerals 'IX' is positioned on the left side of the image. The text 'Science & Education Report' is centered horizontally across the middle of the image.

# Science & Education Report



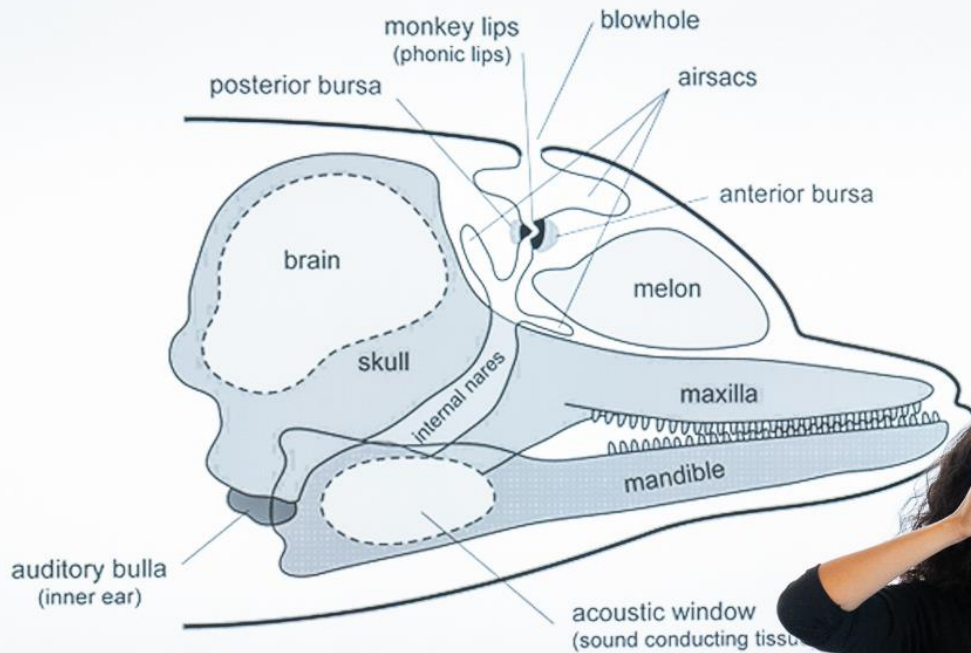
# MS FRAM

## 12<sup>th</sup> January to 2<sup>nd</sup> February 2025

In-Depth Antarctica, Falklands and  
South Georgia Expedition







# Science & Education Program

"Dear Citizen Scientists,

By joining our ship MS Fram, you have decided on embarking on an immersive learning experience. You have had the opportunity to support real-time research by helping collecting valuable data, while also discovering new places, explorer stories and wildlife in breath-taking destinations.

We hope that this report will remind you of the wonderful adventure you have experienced with us, and we can only wish for you to be back onboard our lovely ship in the near future."

# History

Through lectures and storytelling of Cristian and Benjamin, we discovered the history of the Falklands Islands, the whaling times in South Georgia and the adventures of Antarctic explorers.



Benjamin tells the daily life at the whaling stations



The quest of the South Pole



# Art corner

Days at sea always bring inspiration and serenity while gently sailing through turbid waters. Hidden talents are revealed under the creative spirits of our historian.



Penguins drawing with Captain



Draw your favourite animal with Cristian



# Outdoor adventures

Energized, happy, motivated! Your Activity team has taken you out on many adventures across the different landscapes. Kayaking, hiking, camping were on the menu every time the conditions allowed.



Shackleton hike — Arrival in Fortuna Bay



Camping night at Kerr Point



# Onboard Workshops

Our scientists George, Giulia, Laura and Caroline lead various interactive workshops about feathers, Ice, volcanoes, whales and Chilean sea lions.



"How do rocks form?" with Caroline



View of a down feather under the microscope with George



"How to build a whale" with Giulia





# Citizen Science Projects

Thank you for participating in the many different citizen science projects we work in collaboration with.





# NASA Globe Cloud Observer

Together with Laura, you collected 5 observations of clouds for the citizen science project of NASA

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



# iNaturalist

We submitted 135 observations of 57 different species of wildlife and plants.

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







# Science Boat

We conducted 8 science boats and collected data for 3 citizen science projects: South Georgia Big Seaweed Search, Secchi disk study and FjordPhyto. In addition, we collected water samples to look at the plankton under the microscope and measured water parameters with the CTD (conductivity, Temperature, Depth).

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

Read about the [South Georgia Big Seaweed Search project](#)

Read about the [FjordPhyto project](#)



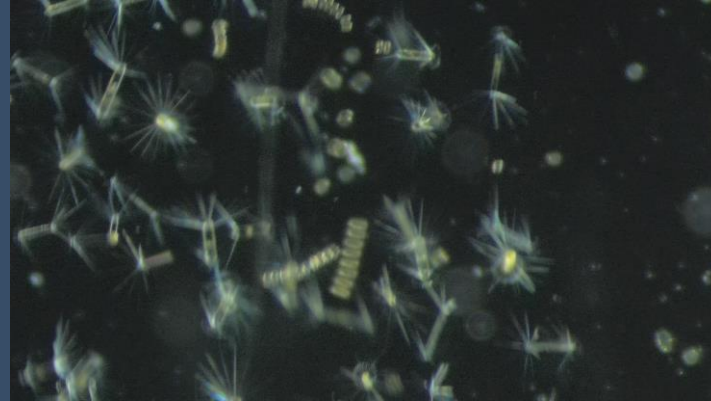
# Plankton Samples

Plankton is the collection of drifting organisms in the water column that do not have the ability to swim or propel themselves against the currents. They could be divided into two main categories; phytoplankton (i.e. microalgae and plants) and zooplankton (i.e. animals).

During our microscopy sessions, we discovered phytoplankton and zooplankton from the waters of the Falkland Islands, South Georgia, the Orkneys islands and Antarctica. In South Georgia, we collected mostly zooplankton such as copepods and a sea angel while Antarctic waters were richer in phytoplankton. In Whalers bay, the phytoplankton was blooming and very rich in diatoms while the waters of Half Moon and Yalour islands contained less phytoplankton but different species.



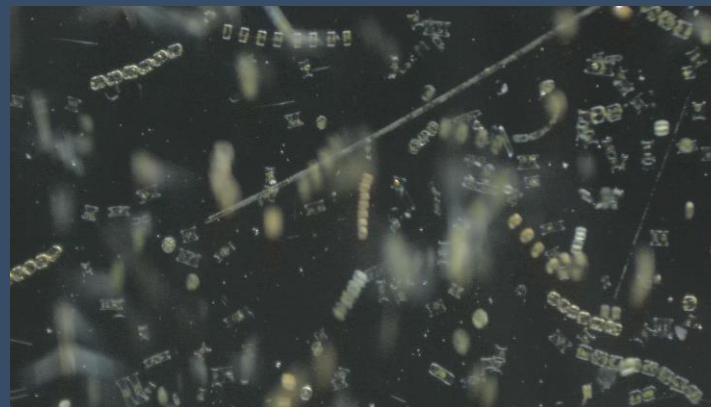
Amphipod



Corethron and chains of diatoms — Half Moon



Sea angel *Clione Antarctica*



Diatoms — Whalers Bay, Deception Island



# Guest Scientists

Angus Henderson and Ginger Klehammer were surveying whales for the project Polar Whale Watch. During a cumulated 88 hours of survey and over 1778 km, they sighted 373 whales. These data are completing databases and are essential for future conservation management plans in the Southern ocean, such as limiting ships speed or defining quotas for krill fisheries.



[Visit our Science & Education Hub online](#)  
to find out more

Angus and Ginger surveying  
whales at the bridge





# Guest Scientists

We had the pleasure of having several guest scientists and medics working for the British Antarctic Survey onboard. Nicolás works for the project Hungry Humpbacks at Kerr Point (Grytviken, South Georgia) surveying whales. Ashley was on his way to Bird Island (South Georgia) to monitor albatross colonies. And we also helped Christopher and Andy to reach Signy research station (South Orkney Islands, Antarctica) to assist the researchers in their work. Finally Lucy joined us at Signy as she finished her season as a medic.



[Visit our Science & Education Hub online](#)  
to find out more



Nicolás Lewin explaining his fieldwork and daily life at Grytviken



Q&A with Christopher, technician  
at Grytviken and Signy



# Signy research Station

We had the rare opportunity to visit an Antarctic research station in the South Orkneys islands. During our visit, we met a biologist who monitors birds colonies and discovered where and how the team live in the summer months in this remote part of the globe.





# Wildlife List - Birds





# Wildlife List – Seabirds

SCIENTIFIC NAME	ENGLISH	DEUTSCH
<i>Aptenodytes patagonicus</i>	King Penguin	Königspinguin
<i>Pygoscelis papua</i>	Gentoo Penguin	Eselspinguin
<i>Eudyptes chrysocome</i>	Southern Rockhopper Penguin	Südfelsenpinguin
<i>Eudyptes chrysolophus</i>	Macaroni Penguin	Goldschopfpinguin
<i>Spheniscus magellanicus</i>	Magellanic Penguin	Magellanpinguin
<i>Pygoscelis adeliae</i>	Adelie Penguin	Adeliepinguin
<i>Pygoscelis antarcticus</i>	Chinstrap Penguin	Kehlstreifpinguin
<i>Oceanites oceanicus</i>	Wilson's Storm Petrel	Buntfuß-Sturmschwalbe
<i>Garrodia nereis</i>	Grey-backed Storm Petrel	Graurücken-Sturmschwalbe
<i>Fregetta tropica</i>	Black-bellied Storm Petrel	Schwarzbauch-Sturmschwalbe
<i>Diomedea exulans</i>	Wandering (snowy) Albatross	Wanderalbatros
<i>Phoebastria palpebrata</i>	Light-mantled Albatross	Graumantelalbatros
<i>Thalassarche melanophris</i>	Black-browed Albatross	Schwarzbrauenalbatros
<i>Diomedea epomophora</i>	Southern Royal Albatross	Südkönigsalbatros
<i>Thalassarche chrysostoma</i>	Grey-headed Albatross	Graukopfalbatros



# Wildlife List – Seabirds

SCIENTIFIC NAME	ENGLISH	DEUTSCH
<i>Macronectes giganteus</i>	Southern Giant Petrel	Riesensturmvogel
<i>Macronectes halli</i>	Northern Giant Petrel	Hallsturmvogel
<i>Fulmarus glacialis</i>	Southern Fulmar	Silbersturmvogel
<i>Pagodroma nivea</i>	Snow Petrel	Schneesturmvogel
<i>Pterodroma mollis</i>	Soft-plumaged Petrel	Weichfeder-Sturmvogel
<i>Procellaria cinerea</i>	Grey Petrel	Grausturmvogel
<i>Daption capense</i>	Cape Petrel	Kapsturmvogel
<i>Thalassoica antarctica</i>	Antarctic Petrel	Antarktiksturmvogel
<i>Halobaena caerulea</i>	Blue Petrel	Blausturmvogel
<i>Procellaria aequinoctialis</i>	White-chinned Petrel	Weißkinn-Sturmvogel
<i>Ardenna gravis</i>	Great Shearwater	Großer Sturmtaucher
<i>Ardenna grisea</i>	Sooty Shearwater	Dunkler Sturmtaucher
<i>Pachyptila desolata</i>	Antarctic Prion	Taubensturmvogel
<i>Pachyptila belcheri</i>	Slender-billed Prion	Dünnschnabel-Sturmvogel
<i>Pelecanoides urinatrix</i>	Common Diving Petrel	Subantarktis-Lummensturmvogel



# Wildlife List – Seabirds

SCIENTIFIC NAME	ENGLISH	DEUTSCH
<i>Pelecanoides georgicus</i>	South Georgia Diving Petrel	Breitschnabel-Lummensturmvogel
<i>Chionis albus</i>	Snowy Sheathbill	Weißgesicht-Scheidenschnabel
<i>Pelecanoides magellani</i>	Magellanic diving petrel	Magellan Lummensturmvogel
<i>Puffinus puffinus</i>	Manx shearwater	Atlantiksturmtaucher
<i>Puffinus elegans</i>	Subantarctic shearwater	Subantarktis-Sturmtaucher



# Wildlife List — Water birds

SCIENTIFIC NAME	ENGLISH	DEUTSCH
<i>Tachyeres pteneres</i>	Flightless Steamer Duck	Magellan-Dampfschiffente
<i>Tachyeres brachypterus</i>	Falkland Steamer Duck	Falkland-Dampfschiffente
<i>Chloephaga picta</i>	Upland Goose	Magellangans
<i>Chloephaga hybrida</i>	Kelp Goose	Kelpgans
<i>Chloephaga rubidiceps</i>	Ruddy-headed Goose	Rotkopfgans
<i>Lophonetta specularioides</i>	Crested Duck	Schopffente
<i>Anas georgica</i>	Yellow-billed Pintail	Spitzschwanzente
<i>Anas flavirostris</i>	Yellow-billed Teal	Südandenente
<i>Nycticorax nycticorax</i>	Black-crowned Night Heron	Nachtreiher
<i>Phalacrocorax magellanicus</i>	Rock Shag	Felsenscharbe
<i>Leucocarbo atriceps</i>	Imperial Shag	Kaiserscharbe
<i>Leucocarbo georgianus</i>	South Georgia Shag	Südgeorgienscharbe
<i>Leucocarbo bransfieldensis</i>	Antarctic Shag	Antarktikscharbe
<i>Haematopus leucopodus</i>	Magellanic Oystercatcher	Magellanausternfischer
<i>Haematopus ater</i>	Blackish Oystercatcher	Südamerikanischer Austernfischer



# Wildlife List — Water birds

SCIENTIFIC NAME	ENGLISH	DEUTSCH
<i>Charadrius falklandicus</i>	Two-banded Plover	Falkland-Regenpfeifer
<i>Calidris fuscicollis</i>	White-rumped Sandpiper	Weißbürzel-Strandläufer
<i>Gallinago paraguaiae</i>	South American Snipe	Magellanbekassine
<i>Chroicocephalus maculipennis</i>	Brown-hooded Gull	Patagonienmöwe
<i>Leucophaeus scoresbii</i>	Dolphin Gull	Blutschnabelmöwe
<i>Larus dominicanus</i>	Kelp Gull	Dominikanermöwe
<i>Sterna vittata</i>	Antarctic Tern	Antarktikseeschwalbe
<i>Sterna hirundinacea</i>	South American Tern	Falklandseeschwalbe
<i>Stercorarius maccormicki</i>	South Polar Skua	Antarktiskua
<i>Stercorarius antarcticus</i>	Brown Skua	Subantarktiskua
<i>Stercorarius chilensis</i>	Chilean Skua	Chileskua
<i>Stercorarius longicaudus</i>	Long-tailed skua	Falkenraubmöwe
<i>Charadrius falklandicus</i>	Two-banded Plover	Falkland-Regenpfeifer
<i>Calidris fuscicollis</i>	White-rumped Sandpiper	Weißbürzel-Strandläufer
<i>Gallinago paraguaiae</i>	South American Snipe	Magellanbekassine



# Wildlife List — Land birds

SCIENTIFIC NAME	ENGLISH	DEUTSCH
<i>Cathartes aura</i>	Turkey Vulture	Truthahngeier
<i>Geranoaetus polyosoma</i>	Variable Hawk	Rotrückenbussard
<i>Phalcoboenus australis</i>	Striated Caracara	Falklandkarakara
<i>Falco peregrinus</i>	Peregrine Falcon	Wanderfalke
<i>Cinclodes antarcticus</i>	Blackish Cinclodes	Falkland-Uferwipper
<i>Muscisaxicola maclovianus</i>	Dark-faced Ground Tyrant	Maskengrundtyrann
<i>Troglodytes cobbi</i>	Cobb's Wren	Falklandzaunkönig
<i>Turdus falcklandii</i>	Austral Thrush	Magellandrossel
<i>Passer domesticus</i>	House Sparrow	Haussperling
<i>Spinus barbatus</i>	Black-chinned Siskin	Bartzeisig
<i>Leistes loyca</i>	Long-tailed Meadowlark	Langschwanzstärling
<i>Melanodera melanodera</i>	White-bridled Finch	Weißbart-Ammertangare



# e-Bird

With our ornithologist George, you counted over 2100 birds of 65 different species. The most spotted species were the Imperial Cormorant, Chinstrap penguins, Upland geese and Sooty shearwaters.

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

Listen to our [soundscapes](#) recorded in the Falklands, South Georgia and Antarctica for this voyage and the previous ones.

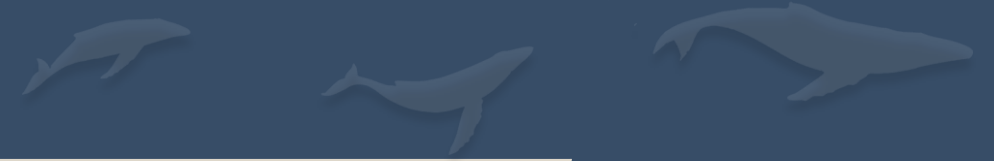


# Wildlife

## List - Marine Mammals



# Wildlife List – Cetaceans



SCIENTIFIC NAME	ENGLISH	DEUTSCH
<i>Balaenoptera borealis</i>	Sei whale	Seiwal
<i>Balaenoptera physalus</i>	Fin whale	Finnwal
<i>Megaptera novaeangliae</i>	Humpback whale	Buckelwal
<i>Orcinus orca</i>	Killer whale, orca	Schwertwal, Orca
<i>Eubalaena australis</i>	Southern right whale	Südkaper
<i>Balaenoptera bonaerensis</i>	Antarctic minke whale	Südlicher Zwergwal
<i>Cephalorhynchus commersonii</i>	Commerson's dolphin	Commerson-Delfin
<i>Lagenorhynchus australis</i>	Peale's dolphin	Peale-Delfin
<i>Lagenorhynchus cruciger</i>	Hourglass dolphin	Stundenglasdelfin
	Unidentified beaked whale	



# Wildlife List – True seals and eared seals



SCIENTIFIC NAME	ENGLISH	DEUTSCH
<i>Arctocephalus australis</i>	South American fur seal	Südamerikanischer Seebär
<i>Arctocephalus gazella</i>	Antarctic fur seal	Antartischer Seebär
<i>Otaria byronia</i>	South American sea lion	Mähnenrobbe
<i>Hydrurga leptonyx</i>	Leopard seal	Seeleopard
<i>Leptonychotes weddellii</i>	Weddell seal	Weddelrobbe
<i>Lobodon carcinophaga</i>	Crabeater seal	Krabbenfresser
<i>Mirounga leonina</i>	Southern elephant seal	Südlicher See-Elefant

# Happywhale

We submitted 4 flukes pictures of Humpback whales to Happywhale.

[View our submissions](#) to Happywhale for this voyage and follow your whales.







# IX

Connect with your  
inner scientist