



Science & Education Report

MS FRAM

MS FRAM
23rd February

—

16th March
2025

**In-Depth Antarctica, Falklands
and South Georgia Expedition**



Picture by Vivi Bolin

Storytelling



Visiting Shackleton's grave



Exploring Grytviken and learning about its history

History Corner



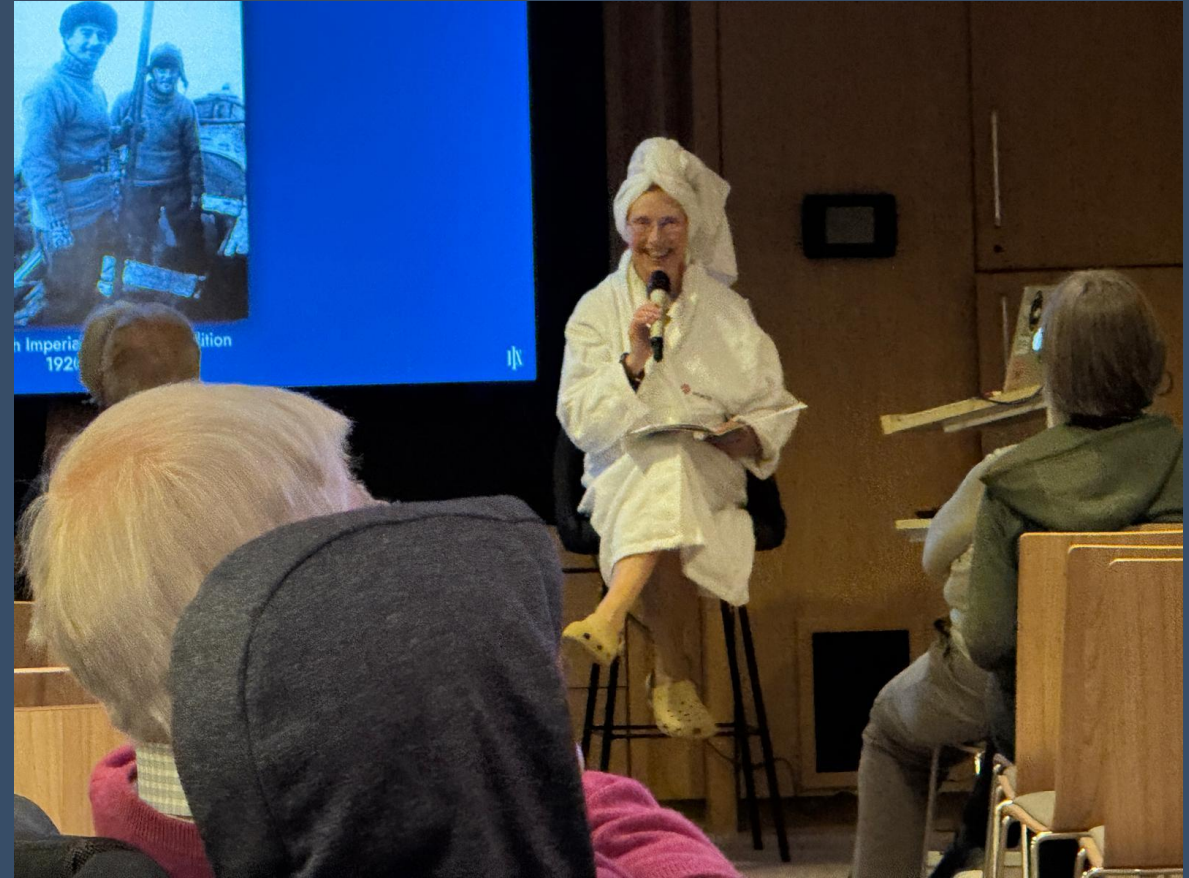
Art Corner

Days at sea always bring inspiration and serenity while gently sailing through turbid waters.

Hidden talents are revealed under the creative spirits of our historians.



Entertainment and evening activities



Knit & Natter



Sport & Sailor's customs

Why not take this opportunity to learn more about sailors and their customs at sea? Thanks to your activity team, you got to practise knots and sing traditional shanties the old fashion way. Let's not forget about the brain teasers left around the ship for you to familiarise yourself with the art, design and equipment onboard your temporary home.



Knot Workshop



Seashanty rehearsal Led by Paul and Marc



What's in the emergency bags?

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 when the conditions allowed.



Shackleton hike from Fortuna Bay to Stromness



Kayaking in Neko Harbour



Camping night in Hovgaard Island

The hidden work

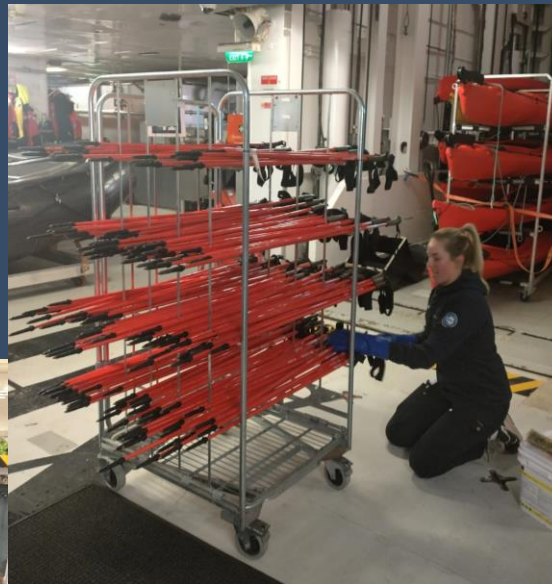
You might be wondering what happens behind the curtains. While each department is busy in their daily task to ensure the good functioning of our lovely MS Fram, the activity team takes charge in organizing, sorting, and cleaning the equipment. It might not look like much, but thanks to their hard work, we can all appreciate smooth and safe operations whether it is kayaking, hiking or camping.



Camping gear cleaning and drying in the garage



Pole cleaning between South Georgia and Antarctica



Kayaks and Camping gear getting ready before the activities

Thank you for helping us keeping those places unique!

Biosecurity inspection before going ashore





NASA Globe Cloud Observer

Together with Linda, you collected 6 observations of clouds for the citizen science project of NASA.

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



Science Boat and Fjordphyto

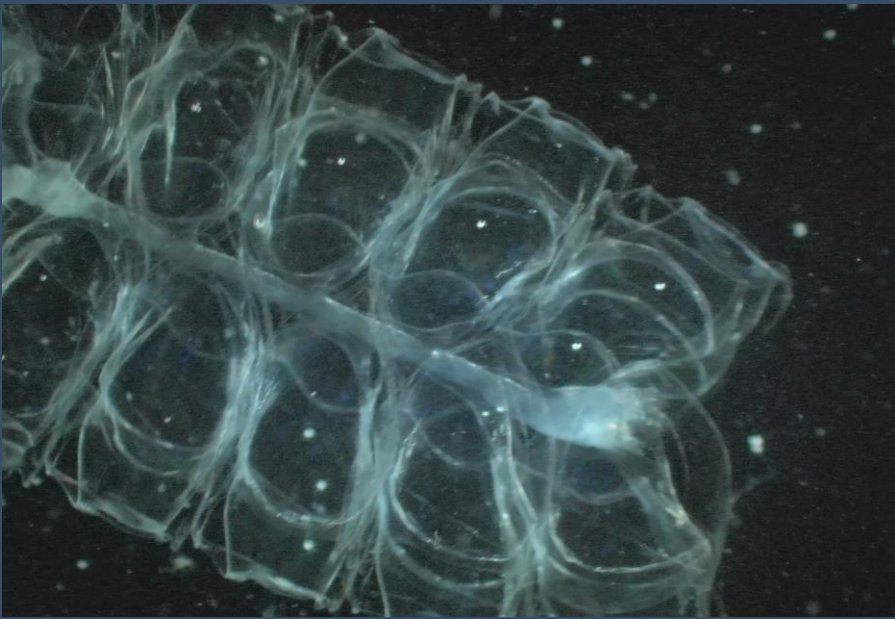
On our voyage we conducted 12 Science Boats during which we collected Secchi disc measurements, CTD data, plankton samples, and hydrophone recordings.

We also collected samples for the citizen science project FjordPhyto in 4 different locations in Antarctica. To learn more about FjordPhyto, [please click here.](#)

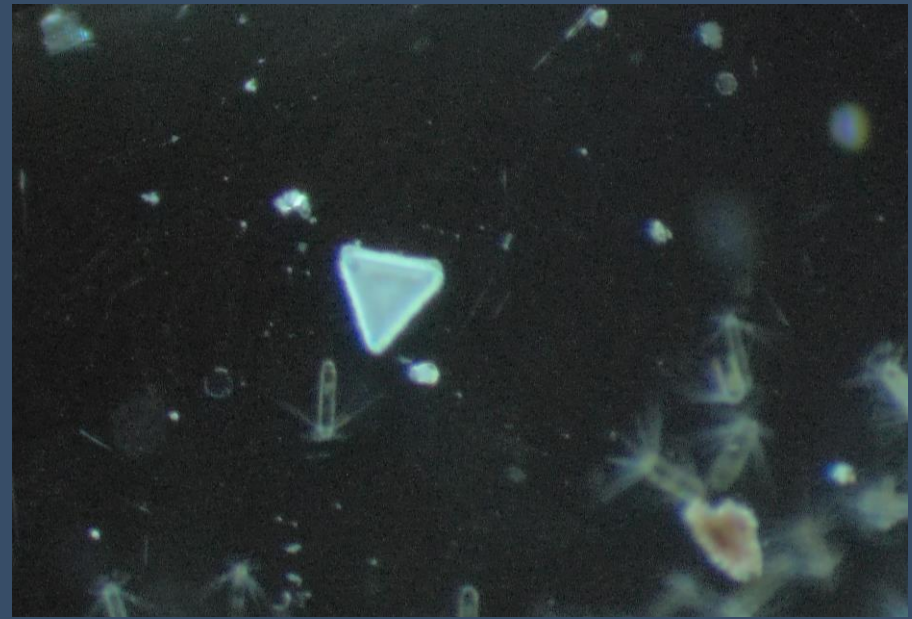
The abundance and diversity of plankton was exceptional, especially the amount of silica based phytoplankton (called diatoms) in some areas within the Antarctic Peninsula.

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

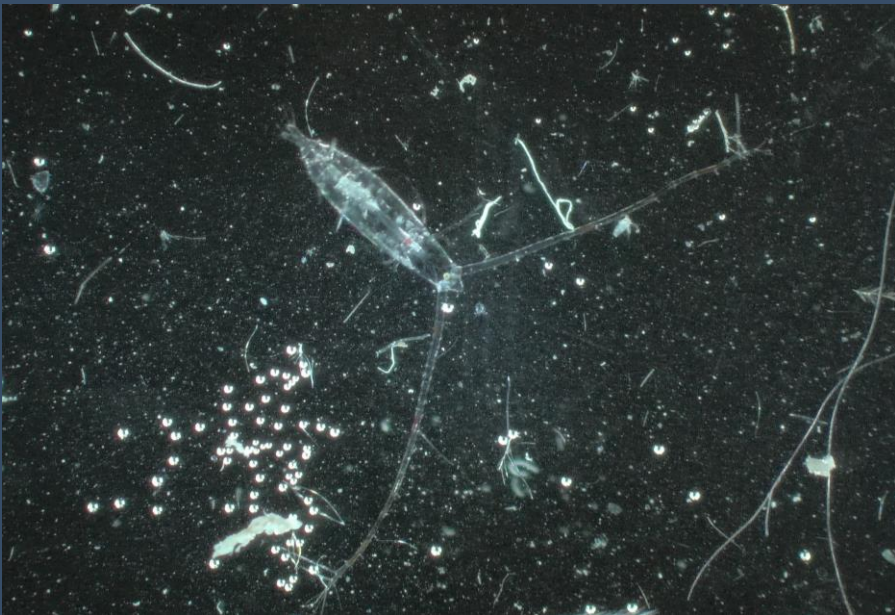
Picture by Vivi Bolin



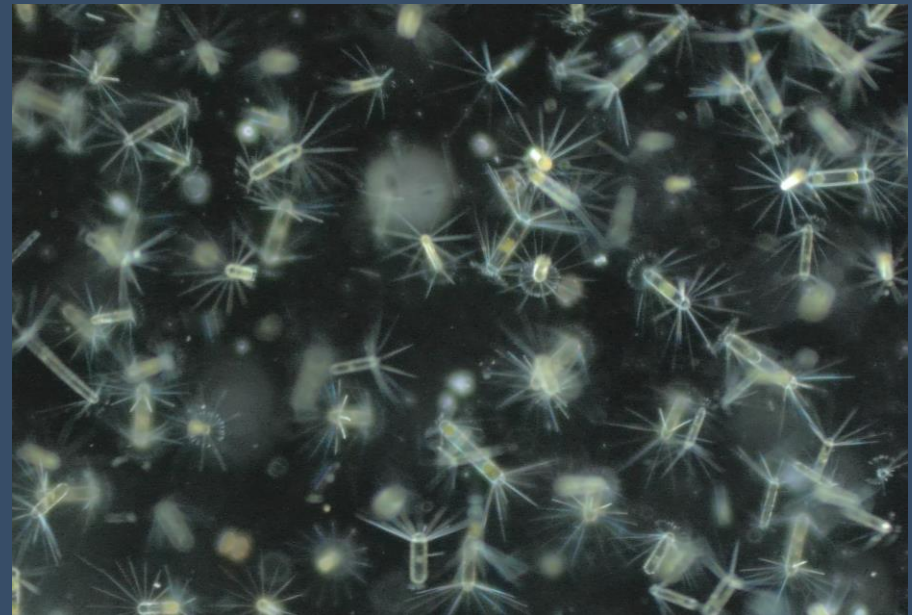
Salp



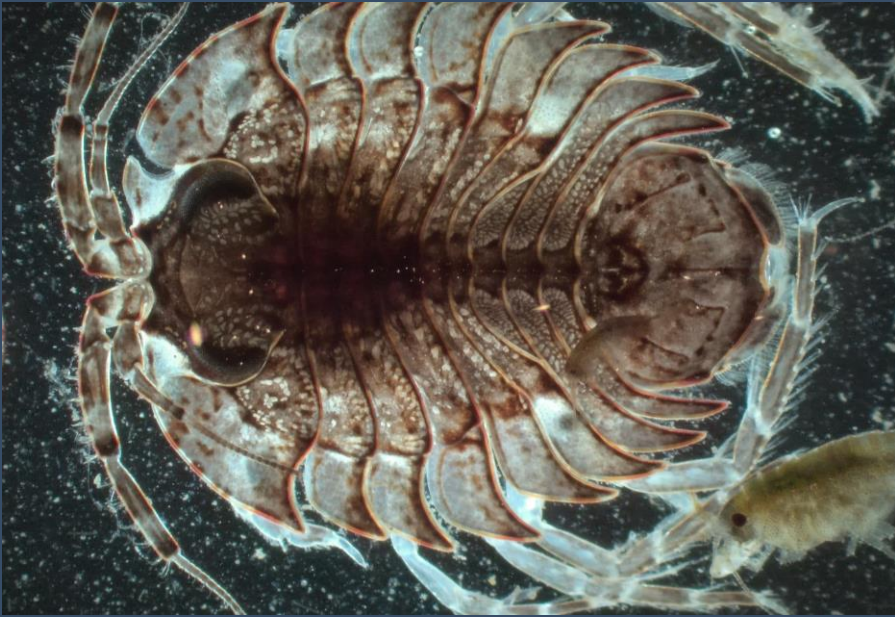
Trigonium diatom



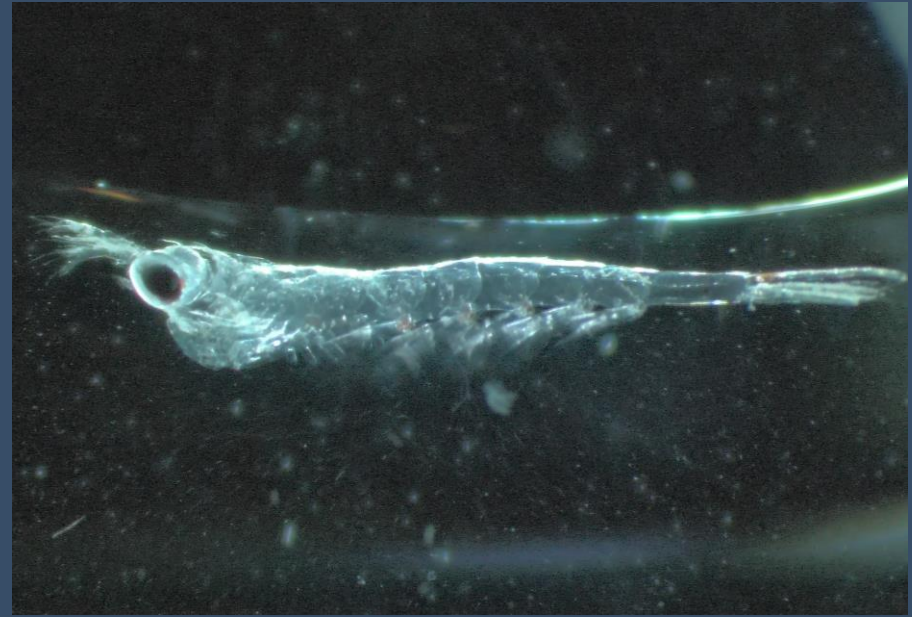
Copepod



Corethron diatoms (silica based phytoplankton).



An isopod in the family Serolidae



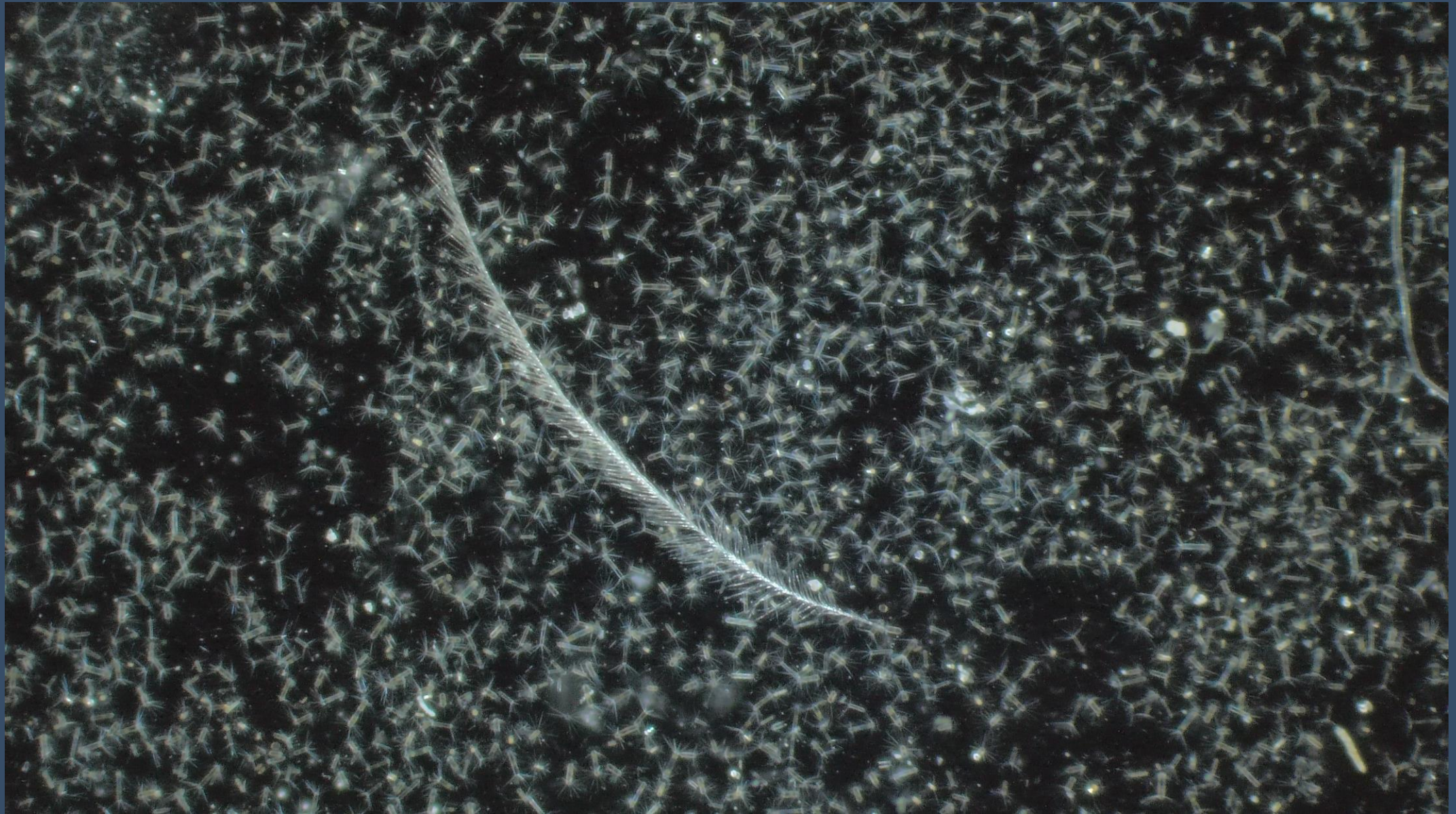
Krill



Ctenophore, also known as "comb jelly"





Spiral tube worm (*Spirobis spirobis*)



Corethron diatom phytoplankton bloom and penguin feather.

Event in progress



 23-02-2025 Falklands, South Georgia and Antarcti...
Feb 23, 2025 - Mar 16, 2025

About

Observations from guests and guides on the Fram during the trip to Falklands, South Georgia and Antarctica

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Project Members Only


Overview


170
OBSERVATIONS


82
SPECIES


42
IDENTIFIERS


15
OBSERVERS


 Stats


 Map


 Grid

 List

 Identify


 Search


 Export Observations



Southern Beeches


Genus *Nothofagus*


 1 11 hours ago



Southern Beeches


Genus *Nothofagus*


 1 12 hours ago



Diddle-Dee


Empetrum rubrum

 1 12 hours ago



Pigvine

Gunnera magellanica

 1 12 hours ago

iNaturalist

Thanks to your efforts, we collected an astonishing 181 observations for iNaturalist.

[View our iNaturalist project here.](#)



e-Bird

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

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

Happywhale

A large number of whales were seen this voyage. We were able to submit photos of nine individual humpback whale flukes to Happywhale. Many of the humpbacks are new individuals that have never before been recorded, but one of these whales has been seen 15 times in total since February 2024, always around the same area of the Antarctic Peninsula and another whale was spotted only one other time in Ecuador last September, probably about to leave her breeding ground to come to Antarctica to feed.



Make sure to upload any other fluke pictures you may have when home, especially old photos from past encounters (the older the better!) and a big thank you to all of you that uploaded some of these pictures.

[View our submissions](#) to Happywhale

Guest scientists

Prof. Marcos Santos, from the University of São Paulo (Brazil), embarked on an expedition aboard MS Fram, traveling through the Falklands, South Georgia, and the Antarctic Peninsula to launch a groundbreaking initiative: building a free-access global sound library. This project, Sounds Good! Science, Education, and Art Inspired by the Mother Nature Serenade, aims to capture and share the voices of our planet—both species (bioacoustics) and entire ecosystems (soundscapes)—with scientists, educators, students, artists, and all who cherish nature's symphony. In this inaugural expedition, he recorded 185 unique sound files across 14 diverse locations, amassing over seven hours of natural acoustic data. These recordings mark the first steps in an ambitious effort to preserve, study, and inspire through the universal language of sound.



Picture by Lucy Babey

Guest scientists

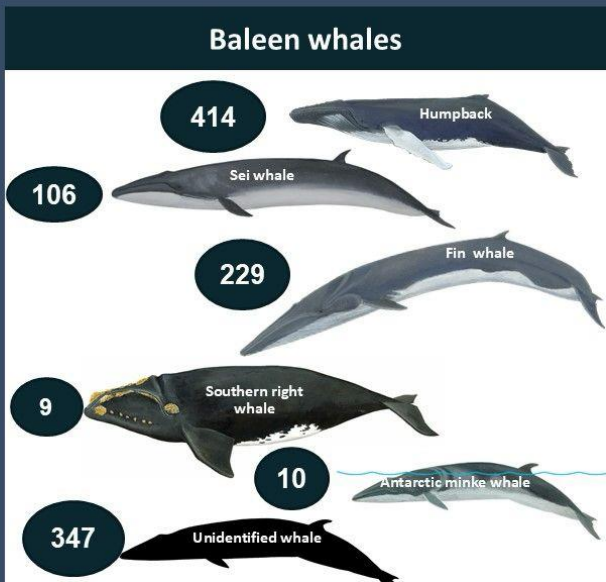
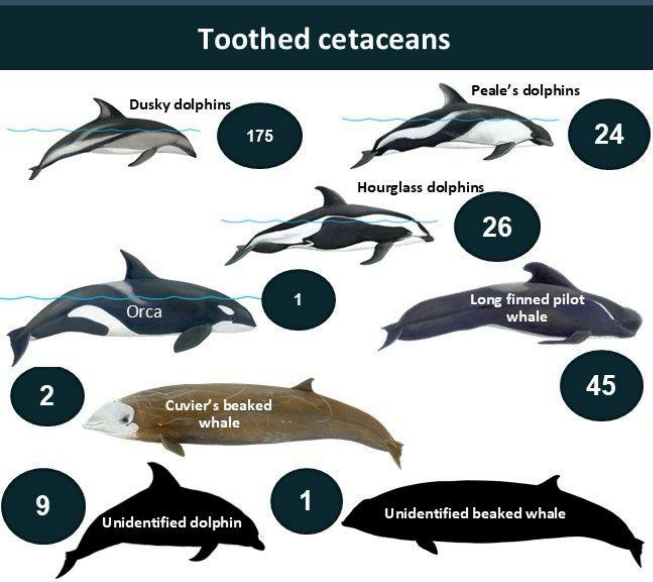
We had the privilege of hosting Lucy Babey and Ruth Coxon from ORCA, one of the UK's leading whale and dolphin conservation charities. Lucy and Ruth have been on board conducting some exciting whale research for a project that is monitoring recovering whale populations in the Southern Ocean. Lucy and Ruth have been carrying out their scientific surveys from the bridge of the ship and the data collected will help better understand the abundance and distribution of large whales around South Georgia and the Antarctic Peninsula. During their surveys a total of 1,398 individual animals were recorded from 11 different whale and dolphin species.

[To learn more about ORCA, please visit their website.](#)

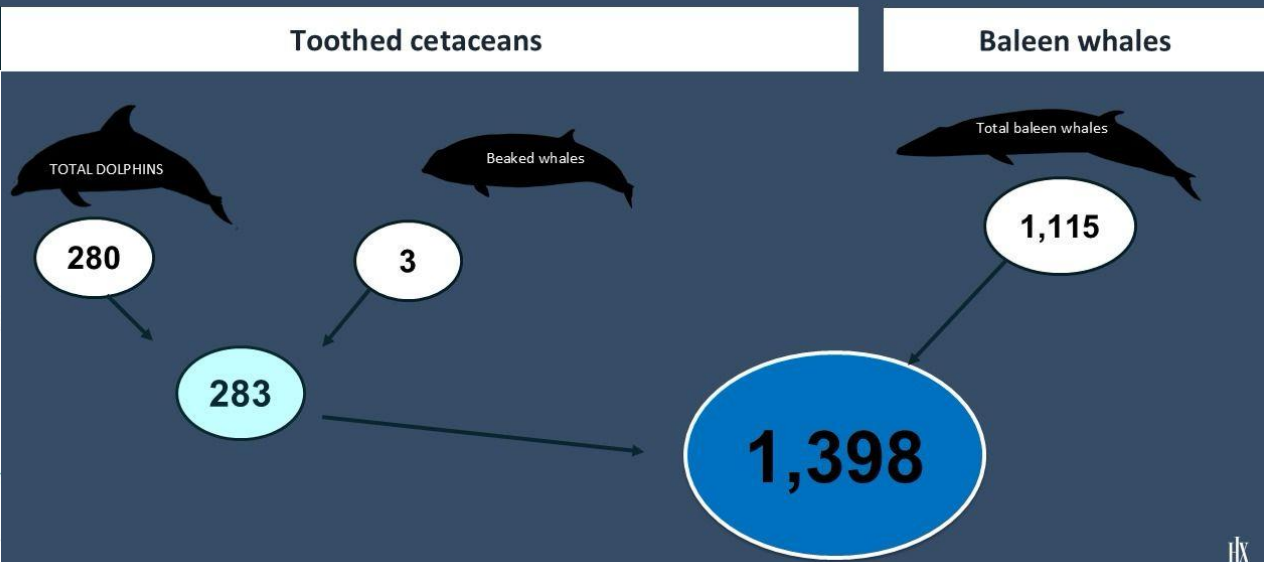


Picture by Lucy Babey

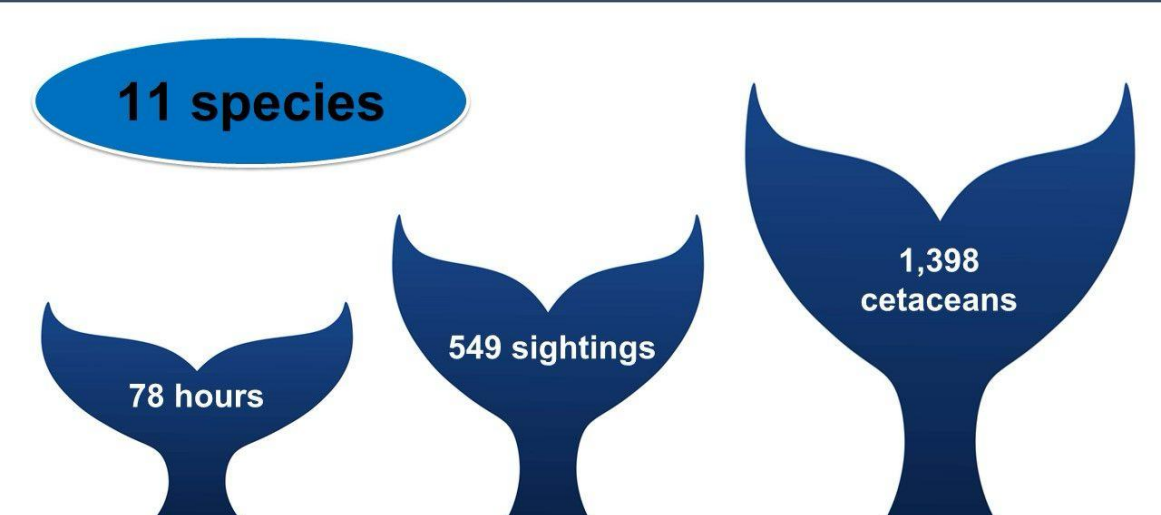
Total cetaceans seen during this voyage



Total cetaceans seen during this voyage



ORCA's On-Board Research:
Bridge Effort



Wildlife List - Marine Mammals



Wildlife List – marine mammals



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>Globicephala melas</i>	Long-finned pilot whale	Langflossen-Grindwal
<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 obscurus</i>	Dusky dolphin	Schwarzdelfin
<i>Lagenorhynchus cruciger</i>	Hourglass dolphin	Stundenglasdelfin
	Unidentified whale	
	Unidentified dolphin	
<i>Ziphiidae sp.</i>	Unidentified beaked whale	

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

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>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
<i>Macronectes giganteus</i>	Southern Giant Petrel	Riesensturmvogel
<i>Macronectes halli</i>	Northern Giant Petrel	Hallsturmvogel
<i>Fulmarus glacialis</i>	Southern Fulmar	Silbersturmvogel
<i>Aphrodroma brevirostris</i>	Kerguelen Petrel	Kerguelensturmvogel
<i>Pterodroma mollis</i>	Soft-plumaged Petrel	Weichfeder-Sturmvogel
<i>Daption capense</i>	Cape Petrel	Kapsturmvogel
<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 georgicus</i>	South Georgia Diving Petrel	Breitschnabel-Lummensturmvogel
<i>Pelecanoides magellani</i>	Magellanic diving-petrel	Magellanischer Tauchsturmvogel
<i>Puffinus puffinus</i>	Manx shearwater	Schwarzschnabel-Sturmtaucher
<i>Procellaria cinerea</i>	Grey Petrel	Grausturmvogel

Wildlife List — Sea- and Water birds

SCIENTIFIC NAME	ENGLISH	DEUTSCH
Tachyeres pteneres	Flightless Steamer Duck	Magellan-Dampfschiffente
Tachyeres patachonicus	Flying Steamer Duck	Langflügel-Dampfschiffente
Tachyeres brachypterus	Falkland Steamer Duck	Falkland-Dampfschiffente
Chloephaga picta	Upland Goose	Magellangans
Chloephaga hybrida	Kelp Goose	Kelpgans
Chloephaga rubidiceps	Ruddy-headed Goose	Rotkopfgans
Lophonetta specularioides	Crested Duck	Schopffente
Anas georgica	Yellow-billed Pintail	Spitzschwanzente
Nycticorax nycticorax	Black-crowned Night Heron	Nachtreiher
Phalacrocorax magellanicus	Rock Shag	Felsenscharbe
Leucocarbo atriceps	Imperial Shag	Kaiserscharbe
Leucocarbo georgianus	South Georgia Shag	Südgeorgienscharbe
Leucocarbo bransfieldensis	Antarctic Shag	Antarktikscharbe
Haematopus leucopodus	Magellanic Oystercatcher	Magellanausternfischer
Haematopus ater	Blackish Oystercatcher	Südamerikanischer Austernfischer
Chroicocephalus maculipennis	Brown-hooded Gull	Patagonienmöwe
Leucophaeus scoresbii	Dolphin Gull	Blutschnabelmöwe
Larus dominicanus	Kelp Gull	Dominikanermöwe
Sterna vittata	Antarctic Tern	Antarktikseeschwalbe
Sterna hirundinacea	South American Tern	Falklandseeschwalbe
Stercorarius maccormicki	South Polar Skua	Antarktiskua
Stercorarius antarcticus	Brown Skua	Subantarktiskua
Stercorarius chilensis	Chilean Skua	Chileskua

Wildlife List — Land birds

SCIENTIFIC NAME	ENGLISH	DEUTSCH
Cathartes aura	Turkey Vulture	Truthahngeier
Phalcoboenus australis	Striated Caracara	Falklandkarakara
Cinclodes antarcticus	Blackish Cinclodes	Falkland-Uferwipper
Muscisaxicola maclovianus	Dark-faced Ground Tyrant	Maskengrundtyrann
Turdus falcklandii	Austral Thrush	Magellandrossel
Spinus barbatus	Black-chinned Siskin	Bartzeisig
Leistes loyca	Long-tailed Meadowlark	Langschwanzstärling
Melanodera melanodera	White-bridled Finch	Weißbart-Ammertangare
Anthus antarcticus	South Georgia Pipit	Riesenpieper
Daptrius chimango	Chimango Caracara	Chimangokarakara
Chionis albus	Snowy Sheathbill	Weißgesicht-Scheidenschnabel
Aphrastura spinicauda	Thorn-tailed Rayadito	Stachelschwanzschlüpfer
Cinclodes patagonicus	Dark-bellied Cinclodes	Streifenbrust-Uferwipper
Falco peregrinus	Peregrine Falcon	Wanderfalke



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Connect with your
inner scientist