

The image features two whales swimming in a deep blue ocean. The whale in the foreground is larger and more prominent, while the second whale is slightly behind and to the left. The background is filled with large, semi-transparent blue letters spelling 'IHW'. The text 'Science & Education Report' is centered in white.

Science & Education Report

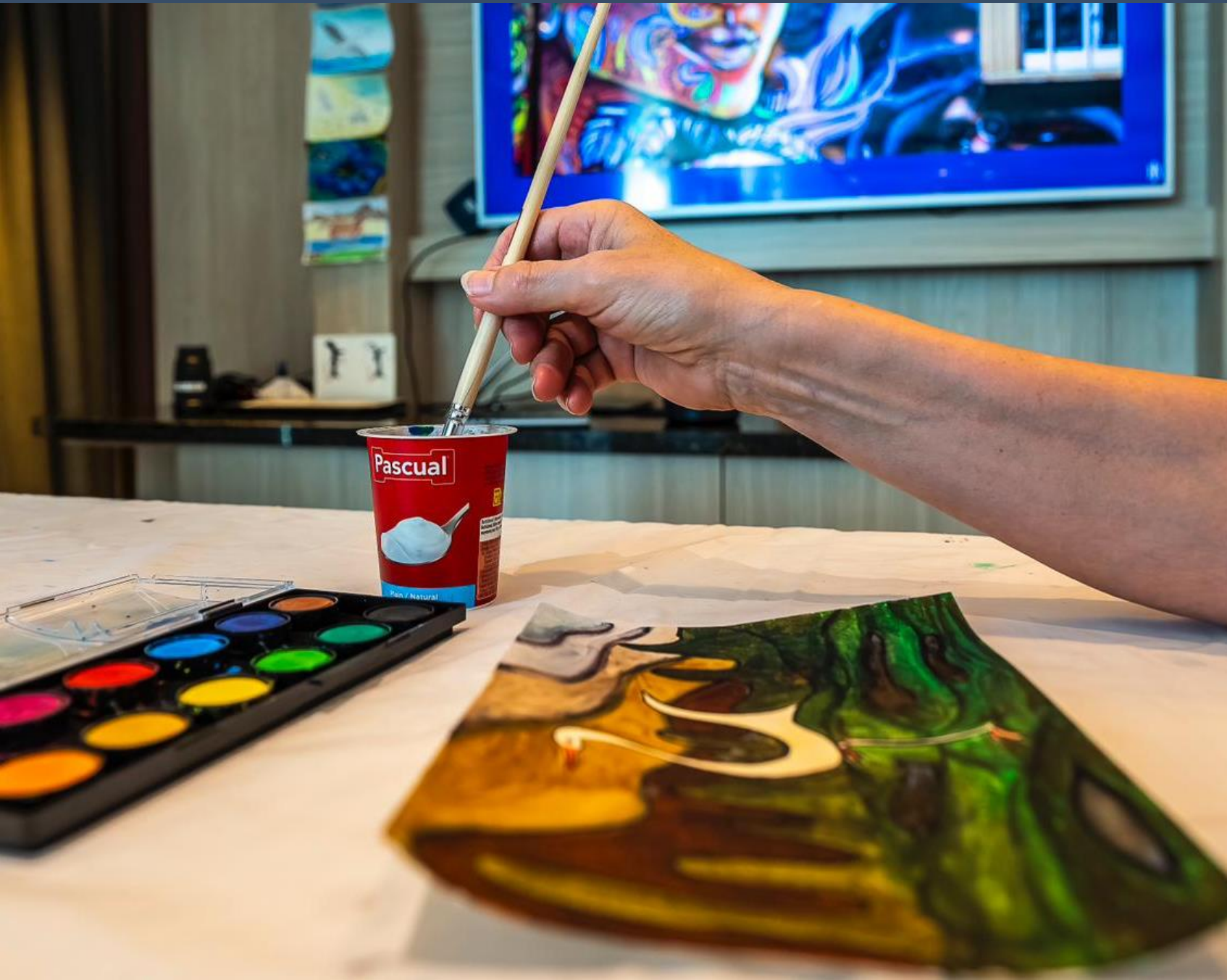
MS FRAM
29th March –
13th April
2024

Cultures of South America -
Pacific coast South Expedition





Science & education program



Art Corner

South America is rich in street art that tells us stories about nature, music, politics, working lives etc. With Jane, you transformed your memories and impressions into a piece of art, inspired by the bright South American colors.



NASA cloud observer

Together with Linda, our Environmental Scientist, you submitted 7 cloud observations to NASA using the GLOBE observer app.

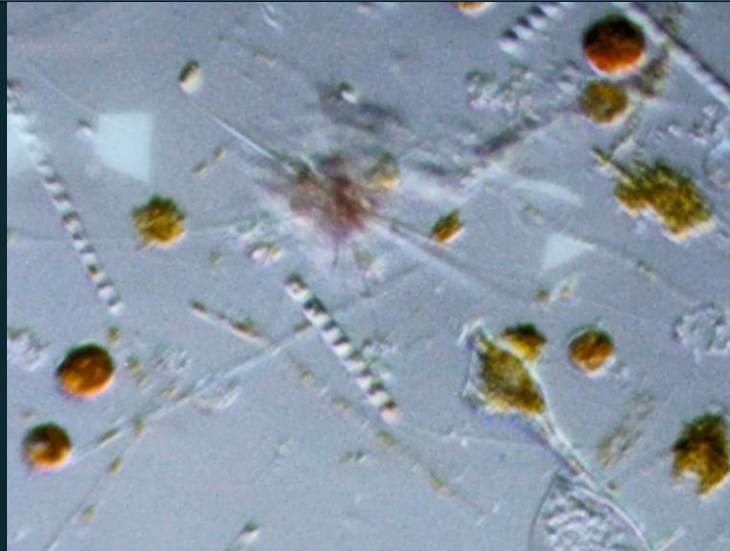
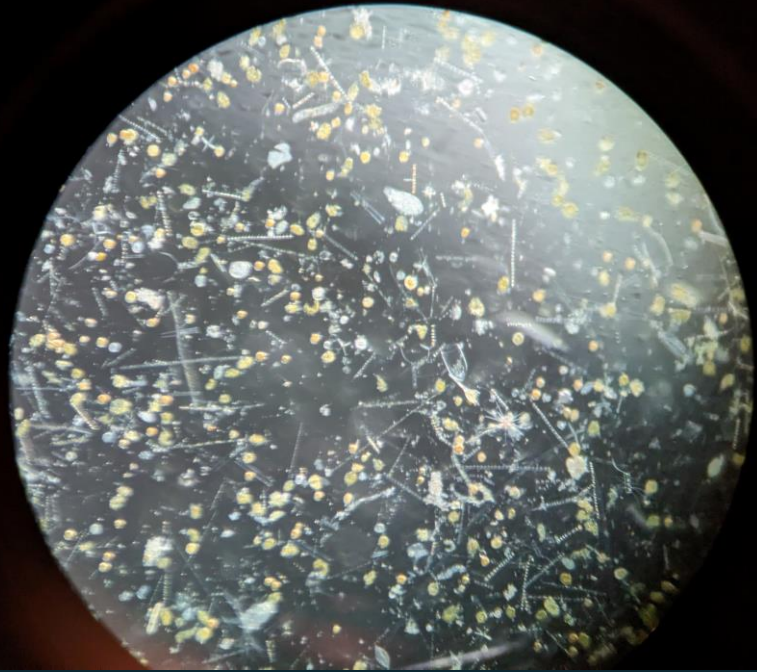
[View our data](#) on the global map

iNaturalist

Several of you, together with Giulia, our Marine Scientist, joined our project on iNaturalist and uploaded in total 87 observations of 54 species. The most observed group of animals are the birds, with a total of 28 observations.

[View our submissions](#) to iNaturalist



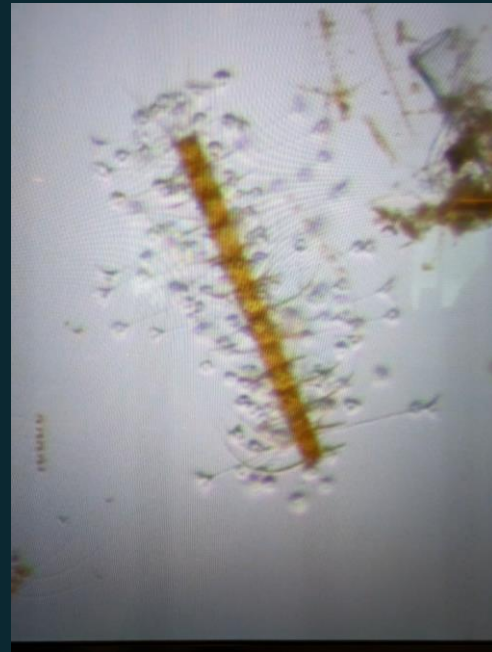


Diatom chains



Dinoflagellate

Larvae



Plankton samples

Our science coordinator Caroline collected water samples in the ports of Paracas, Bahia Solano and in the area of La Chunga that we observed under the microscope. The tropical waters are very productive and rich in phytoplankton, such as diatoms and dinoflagellates. Dinoflagellates are the phytoplankton that produce bioluminescence that we saw from time to time. We also observed crab larvae, nematods and copepods.

Wildlife List - Birds



Wildlife List – Seabirds

SCIENTIFIC NAME	ENGLISH	DEUTSCH
<i>Pterodroma defilippiana</i>	De Filippi's Petrel	Juan-Fernandez-Sturmvogel
<i>Oceanites gracilis</i>	Elliot's Storm Petrel	Elliotsturmschwalbe
<i>Pterodroma externa</i>	Juan Fernandez Petrel	Salvinsturmvogel
<i>Fregata magnificens</i>	Magnificent Frigatebird	Prachtfregattvogel
<i>Oceanodroma markhami</i>	Markham's Storm Petrel	Rußwellenläufer
<i>Sula granti</i>	Nazca Booby	Nazcatölpel
<i>Sula variegata</i>	Peruvian Booby	Guanotölpel
<i>Pelecanus thagus</i>	Peruvian Pelican	Chilepelikan
<i>Ardenna creatopus</i>	Pink-footed Shearwater	Rosafuß-Sturmtaucher
<i>Sula sula</i>	Red-footed Booby	Rotfußtölpel
<i>Ardenna grisea</i>	Sooty Shearwater	Dunkler Sturmtaucher
<i>Phoebastria irrorata</i>	Waved Albatross	Galapagosalbatros
<i>Oceanodroma tethys</i>	Wedge-rumped Storm Petrel	Galapagoswellenläufer
<i>Procellaria aequinoctialis</i>	White-chinned Petrel	Weißkinn-Sturmvogel

Wildlife List – Water birds

SCIENTIFIC NAME	ENGLISH	DEUTSCH
<i>Eudocimus albus</i>	American White Ibis	Schneesichler
<i>Larus belcheri</i>	Belcher's Gull	Schwanzbandmöwe
<i>Nycticorax nycticorax</i>	Black-crowned Night Heron	Nachtreiher
<i>Stercorarius chilensis</i>	Chilean Skua	Chileskua
<i>Thalasseus elegans</i>	Elegant Tern	Schmuckseeschwalbe
<i>Leucophaeus pipixcan</i>	Franklin's Gull	Präriemöwe
<i>Tringa melanoleuca</i>	Greater Yellowlegs	Großer Gelbschenkel
<i>Leucophaeus modestus</i>	Grey Gull	Graumöwe
<i>Leucocarbo bougainvillii</i>	Guanay Cormorant	Guanoscharbe
<i>Larosterna inca</i>	Inca Tern	Inkaseeschwalbe
<i>Larus dominicanus</i>	Kelp Gull	Dominikanermöwe
<i>Egretta caerulea</i>	Little Blue Heron	Blaureiher
<i>Stercorarius parasiticus</i>	Parasitic Jaeger	Schmarotzerraubmöwe
<i>Egretta thula</i>	Snowy Egret	Schmuckreiher
<i>Creagrus furcatus</i>	Swallow-tailed Gull	Gabelschwanzmöwe

Wildlife List – Land birds

SCIENTIFIC NAME	ENGLISH	DEUTSCH
<i>Amazilia amazilia</i>	Amazilia Hummingbird	Lessonamazilie
<i>Hirundo rustica</i>	Barn Swallow	Rauchschwalbe
<i>Coragyps atratus</i>	Black Vulture	Rabengeier
<i>Notiochelidon cyanoleuca</i>	Blue-and-white Swallow	Schwarzsteischwalbe
<i>Tachycineta leucopyga</i>	Chilean Swallow	Chileschwalbe
<i>Milvago chimango</i>	Chimango Caracara	Chimangokarakara
<i>Passer domesticus</i>	House Sparrow	Haussperling
<i>Tachycineta albilinea</i>	Mangrove Swallow	Mangroveschwalbe
<i>Rhodopis vesper</i>	Oasis Hummingbird	Atacamakolibri
<i>Antrostomus rufus</i>	Rufous Nightjar	Rostnachtschwalbe
<i>Piranga olivacea</i>	Scarlet Tanager	Scharlachtangare
<i>Vanellus spinosus</i>	Spur-winged Lapwing	Spornkiebitz
<i>Cathartes aura</i>	Turkey Vulture	Truthahngeier
<i>Pyrocephalus obscurus</i>	Vermilion Flycatcher	Purpurtyrann



E-bird

Together with our onboard ornithologist George, you identified and counted 134 different species of birds and submitted 36 checklists to Ebird.

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

Wildlife List – Marine Mammals



Wildlife List – marine mammals



SCIENTIFIC NAME	ENGLISH	DEUTSCH
<i>Balaenoptera musculus</i>	Blue whale	Blauwal
<i>Balaenoptera edeni</i>	Bryde's whale	Brydewal
<i>Delphinus delphis</i>	Common dolphin, saddleback dolphin	Gemeiner delfin
<i>Balaenoptera physalus</i>	Fin whale	Finnwal
<i>Globicephala macrorhynchus</i>	Short-finned pilot whale	Indischer Grindwal
<i>Arctocephalus australis</i>	South American fur seal	Südamerikanischer Seebär
<i>Otaria byronia</i>	South American sea lion	Mähnenrobbe



Happy Whale

We encountered 7 different species of marine mammals during our trip and 6 observations were uploaded to HappyWhale for photo-id.

View our submissions to [Happywhale](#)



HX

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inner scientist**