

An aerial photograph of the ocean showing turbulent, churning water in various shades of blue and green. White foam from breaking waves is visible in the lower half of the frame. A solid blue rectangular box is centered horizontally across the middle of the image, containing the word "oceanology" in white lowercase letters.

oceanology



Arctic Ocean

Pacific Ocean

Atlantic Ocean

Pacific Ocean

Southern Ocean

Indian Ocean

North America

South America

Europe

Africa

Asia

Australia

Oceania

Antarctica

An aerial photograph of a massive ocean wave curling over, creating a tunnel-like structure. The water is a deep, vibrant blue, and the foam is bright white. The wave is moving from the top left towards the bottom right of the frame.

Wave

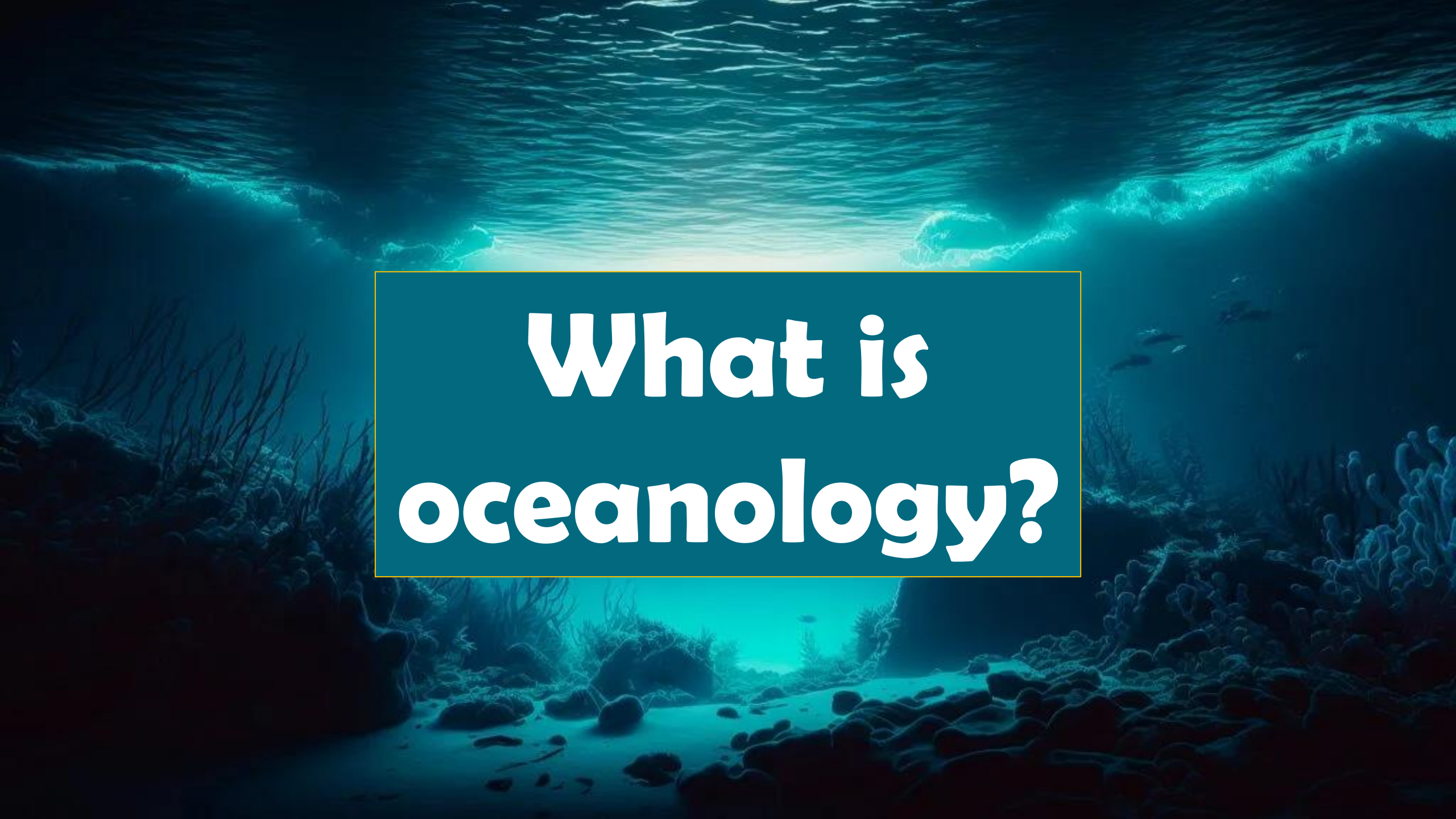
An aerial photograph of a river system. The water is characterized by intricate, swirling patterns of blue and white, likely representing different water masses or sediment concentrations. The river flows from the top left towards the bottom right. The surrounding land is a mix of green and brown, indicating vegetation and bare earth. A yellow rectangular box is overlaid in the upper right corner, containing the word "current" in black serif font.

current

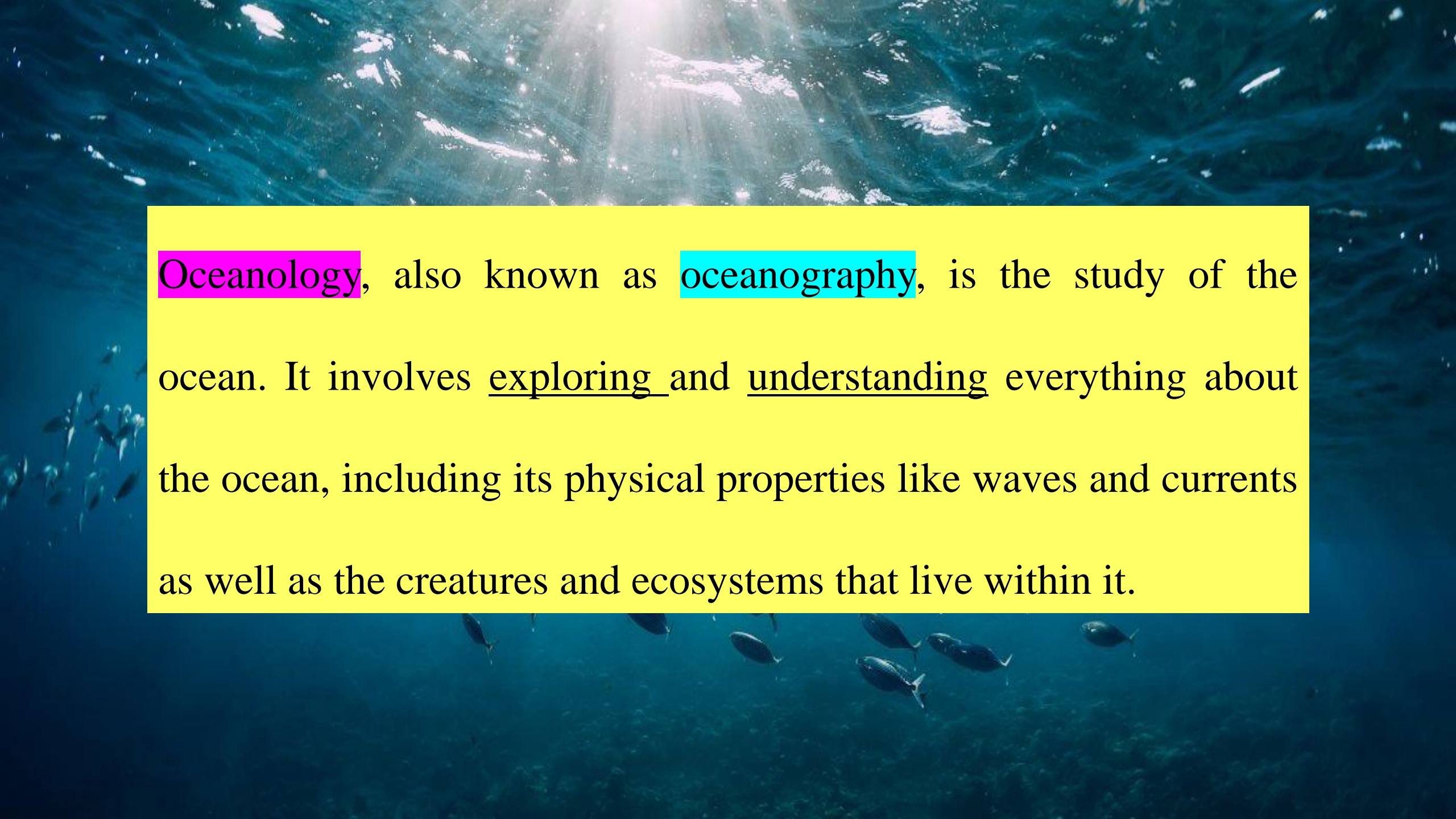


Ecosystem

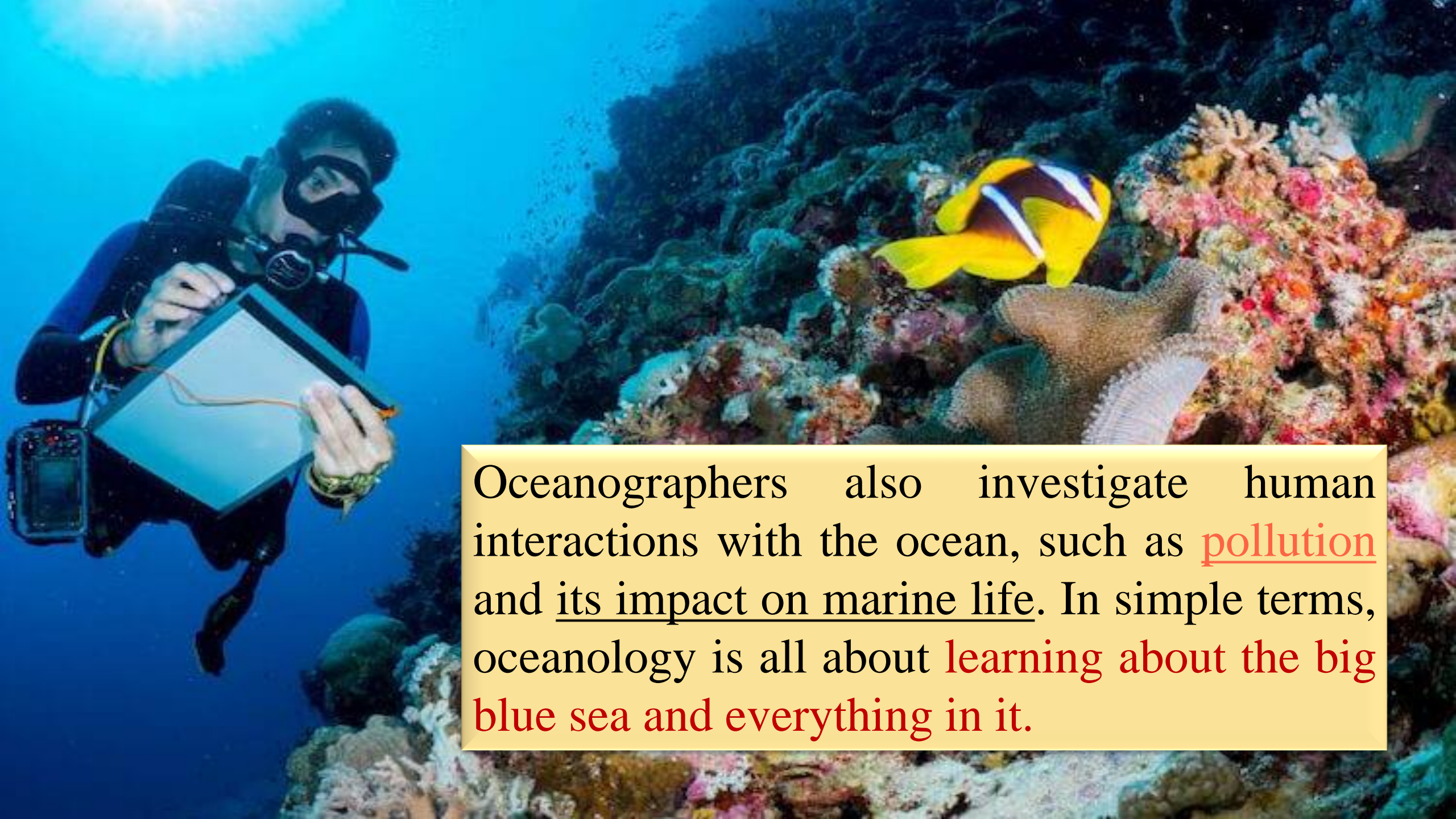
An ecosystem is made up of the interaction of all living organisms (like **animals**, **plants**, and **bugs**) in an area with all of the non-living organisms (like **water**, **dirt**, **rocks**, and **the sun**).

An underwater scene with a vibrant blue-green color palette. The top of the image shows the surface of the water with gentle ripples and light filtering through. Below the surface, a sandy ocean floor is visible, covered with various types of coral, including branching and brain coral. Several small fish are swimming in the water. The overall atmosphere is serene and mysterious.

**What is
oceanology?**



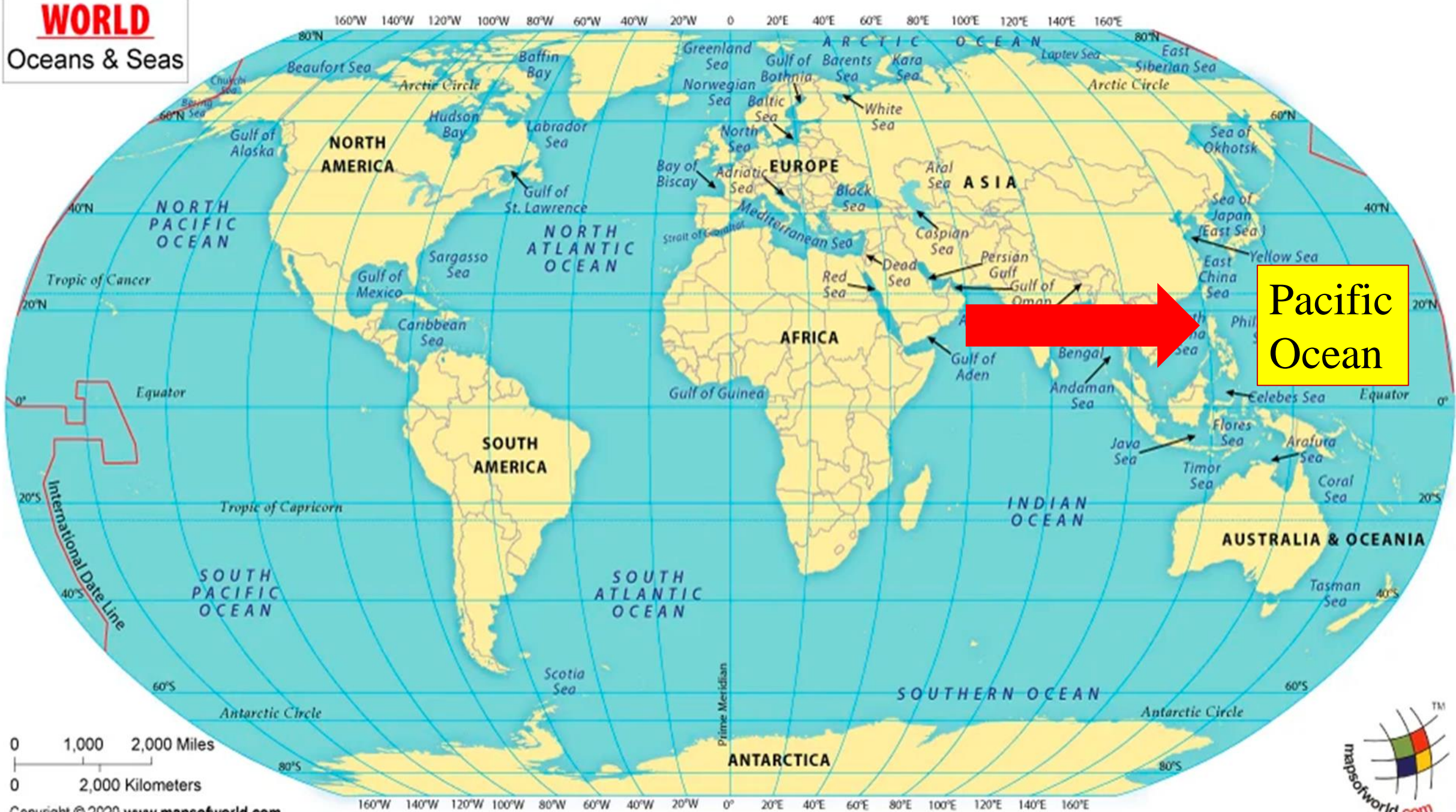
Oceanology, also known as oceanography, is the study of the ocean. It involves exploring and understanding everything about the ocean, including its physical properties like waves and currents as well as the creatures and ecosystems that live within it.



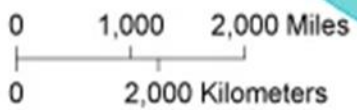
Oceanographers also investigate human interactions with the ocean, such as pollution and its impact on marine life. In simple terms, oceanology is all about **learning about the big blue sea and everything in it.**

WORLD

Oceans & Seas



Pacific Ocean



The Pacific Ocean is the largest ocean and is located between the continents of **Asia** and **Australia** to the west, and **the Americas** to the east.



Important Characteristic:

It's known for its large size and depth, covering about one-third of the Earth's surface.



deep

The deepest part of the world's ocean is called The Mariana Trench which is located in the western Pacific Ocean. It is about 11 kilometers (7 miles)





whale



Shark



turtle



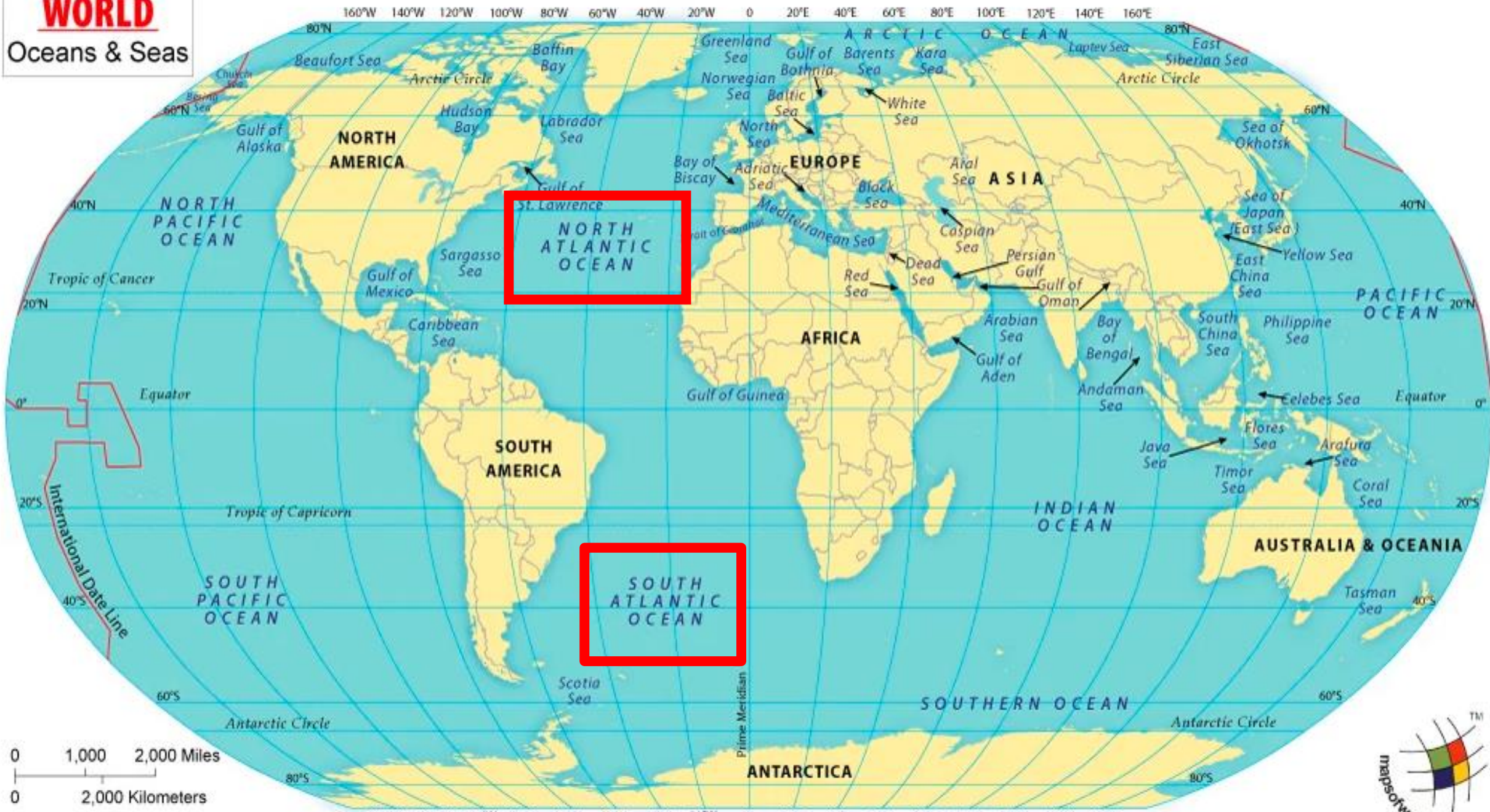
A close-up photograph of a baby with light brown hair and blue eyes, sitting on a sandy beach. The baby has a grumpy or annoyed expression, with a slightly downturned mouth. The baby is wearing a white t-shirt with green sleeves. The background shows the ocean waves and a clear sky.

DONE!

**THANK YOU FOR YOUR
ATTENTION!**

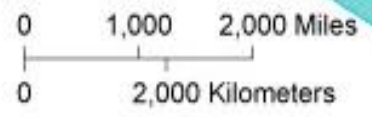
WORLD

Oceans & Seas



NORTH ATLANTIC OCEAN

SOUTH ATLANTIC OCEAN





The Atlantic Ocean is situated between the continents of Europe and Africa to the east and the Americas to the west.



NORTH AMERICA

Rhode Island

Gulf Stream

Bahamas

CARIBBEAN SEA

West Indies

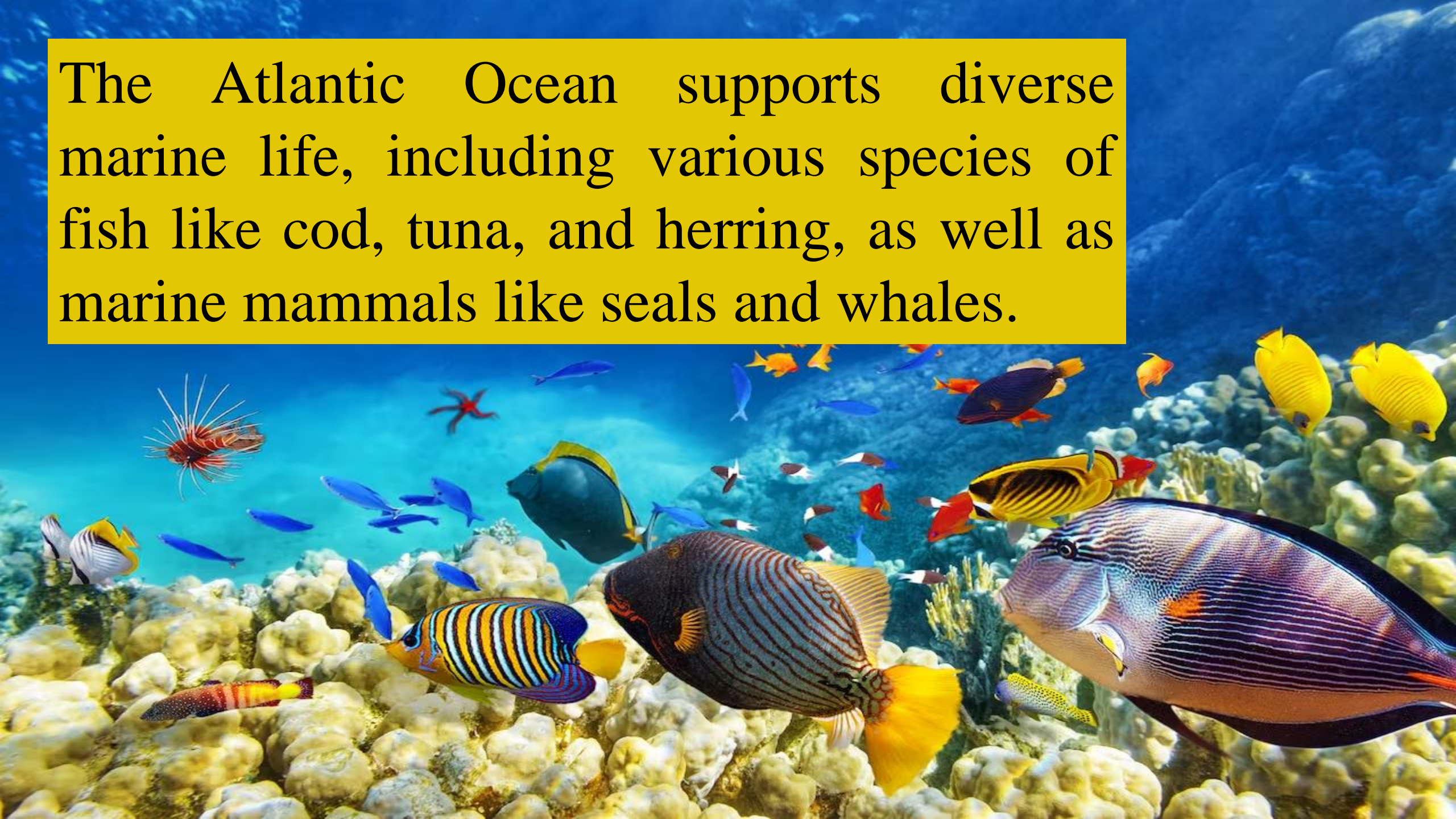
ATLANTIC OCEAN

Ireland

EUROPE

It's the second-largest ocean in the world and is known for its strong ocean currents, including the Gulf Stream.

The Atlantic Ocean supports diverse marine life, including various species of fish like cod, tuna, and herring, as well as marine mammals like seals and whales.



cod



herring



seal

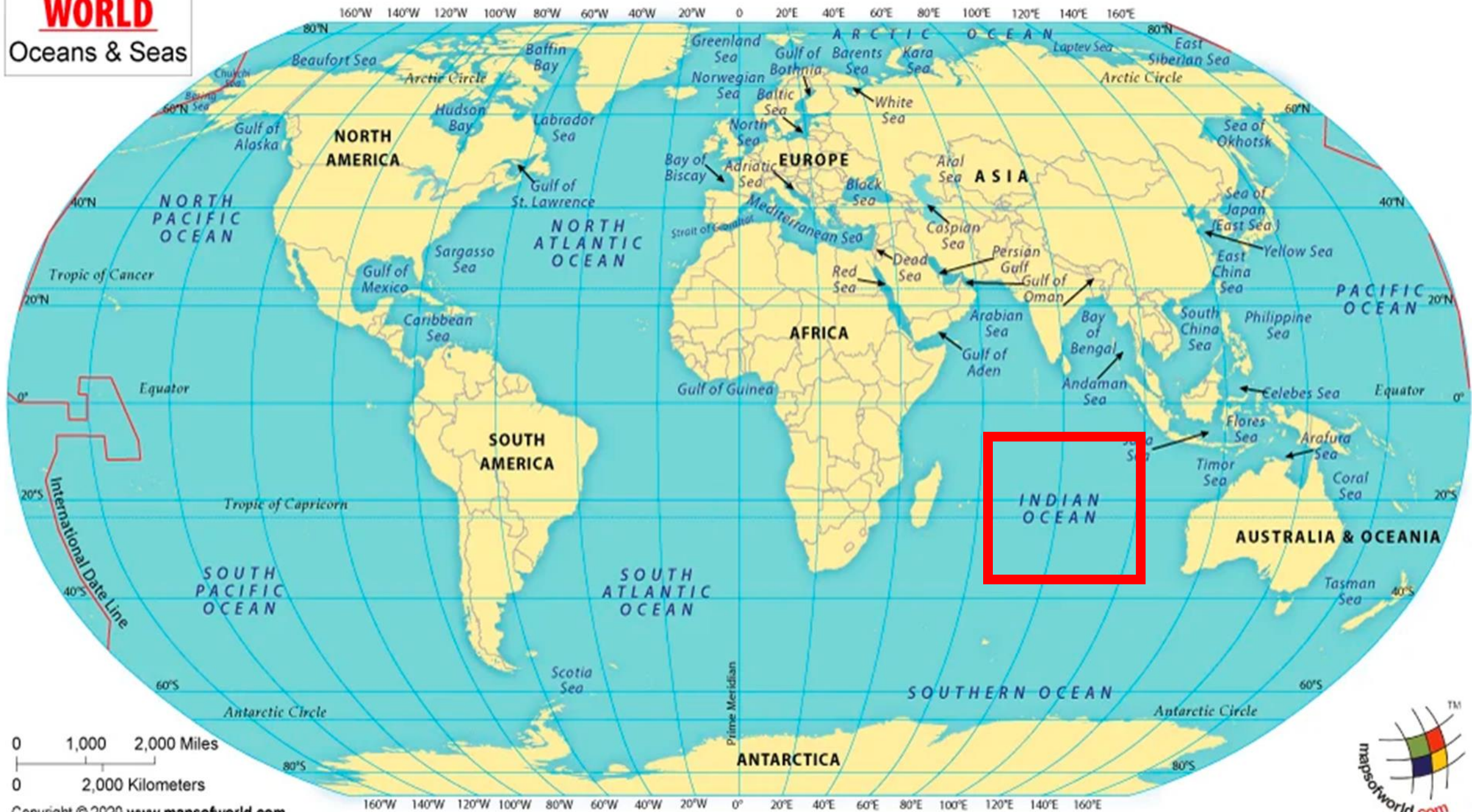




Whale

WORLD

Oceans & Seas



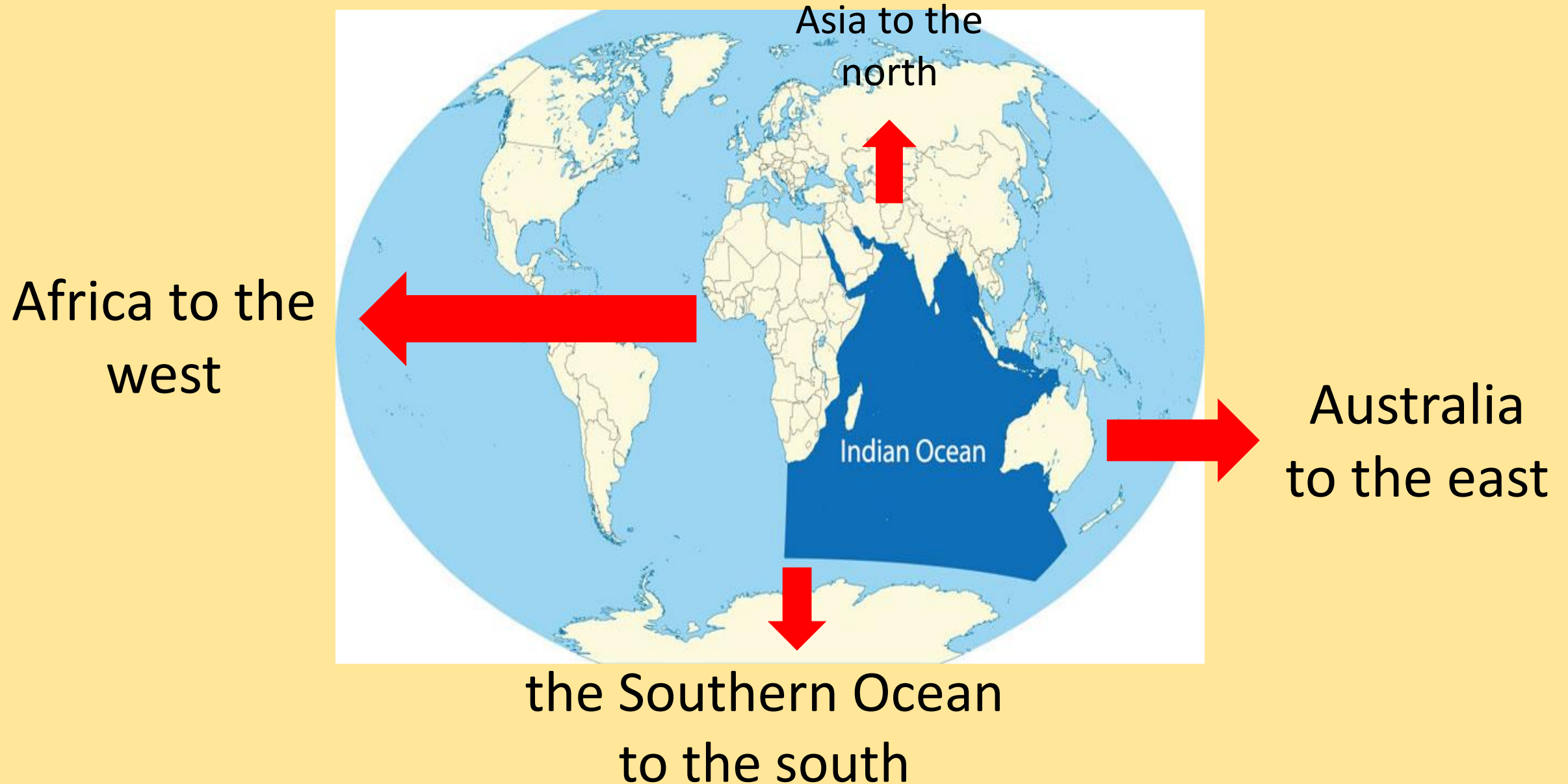
0 1,000 2,000 Miles

0 2,000 Kilometers

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The Indian Ocean is located between:



Important

Characteristic:

It's the third-largest ocean and is known for its warm waters and monsoon weather patterns.





dugong

manta rays



Whale shark

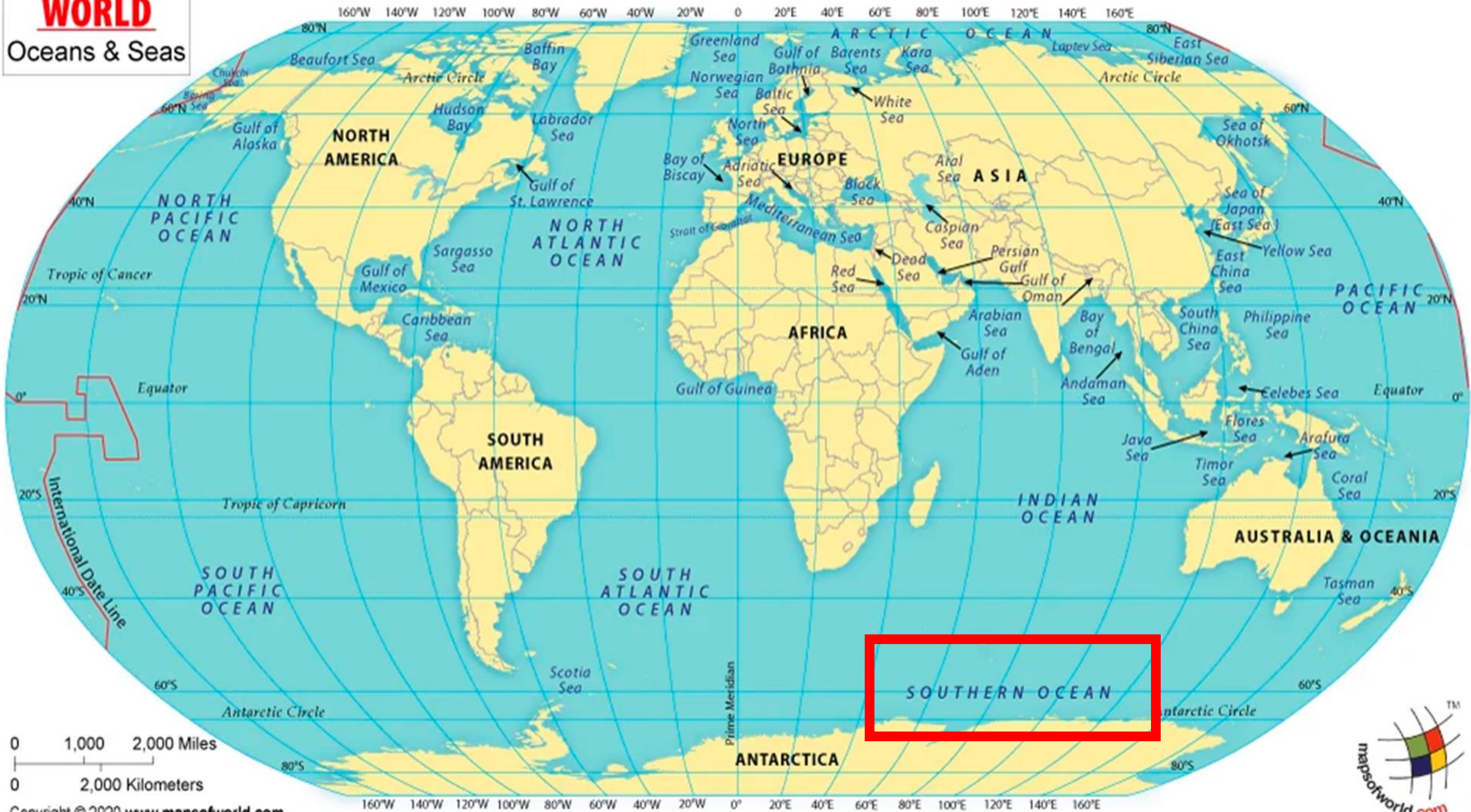


A detailed view of a coral reef ecosystem. The scene is filled with diverse coral species, including branching, brain, and table corals in various colors like yellow, orange, and pink. Numerous colorful fish, such as yellow butterflyfish, orange damselfish, and striped surgeonfish, are swimming throughout the water column. The background shows a deep blue ocean with sunlight filtering through the surface.

coral reef

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0 1,000 2,000 Miles

0 2,000 Kilometers

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The Southern Ocean surrounds Antarctica, extending from the Antarctic coastline to about 60 degrees south latitude.



Important
Characteristic:
It's the smallest and
coldest ocean,
characterized by
strong
winds, icebergs, and
extreme conditions.





seal

Penguins





whale

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The Arctic Ocean is located around the North Pole, bordered by North America, Europe, and Asia.



Important Characteristic: It's the smallest and shallowest ocean, covered by sea ice for much of the year. The Arctic is experiencing rapid climate change, resulting in shrinking ice cover.

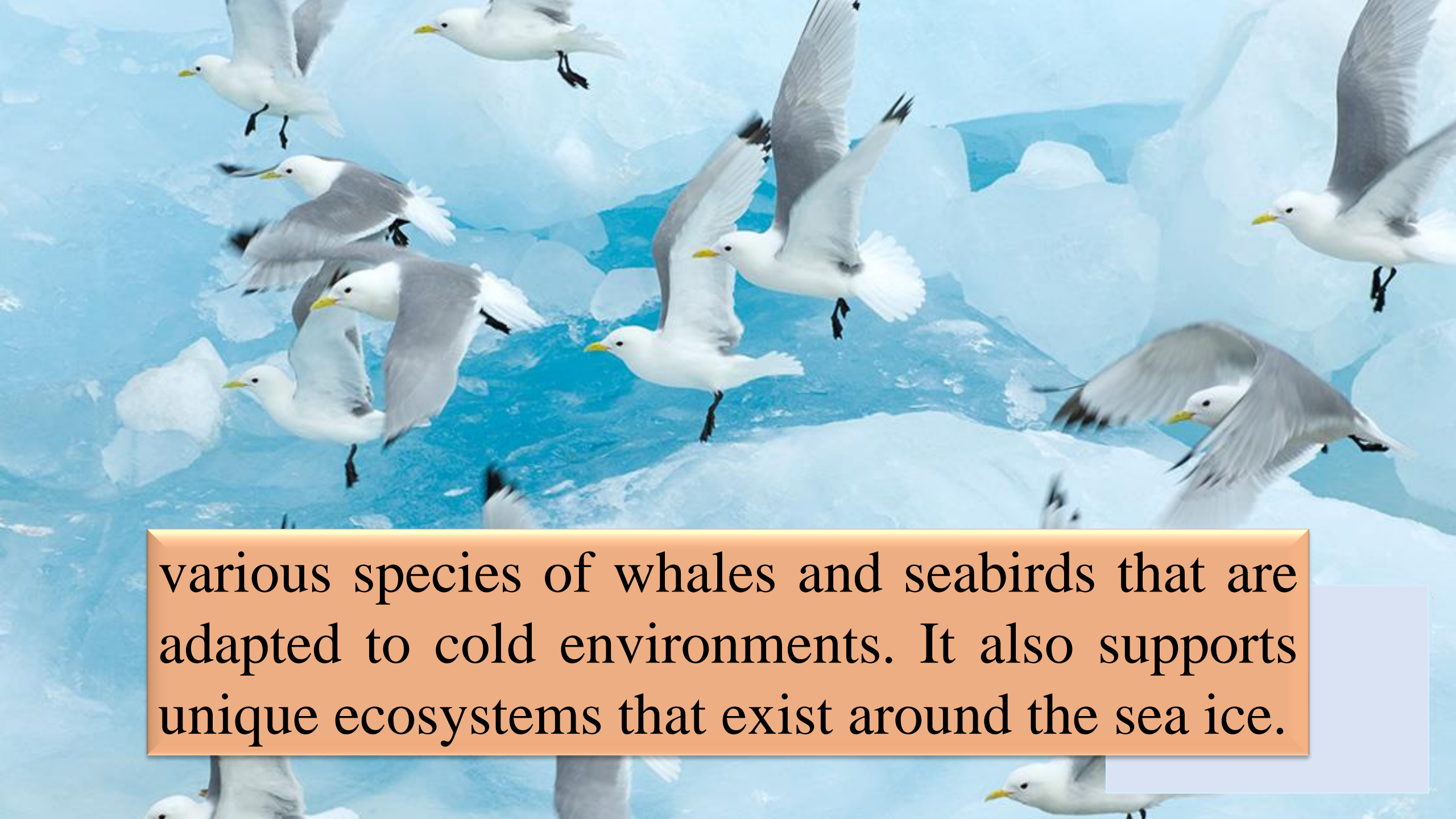


Polar bears



walruses





various species of whales and seabirds that are adapted to cold environments. It also supports unique ecosystems that exist around the sea ice.

