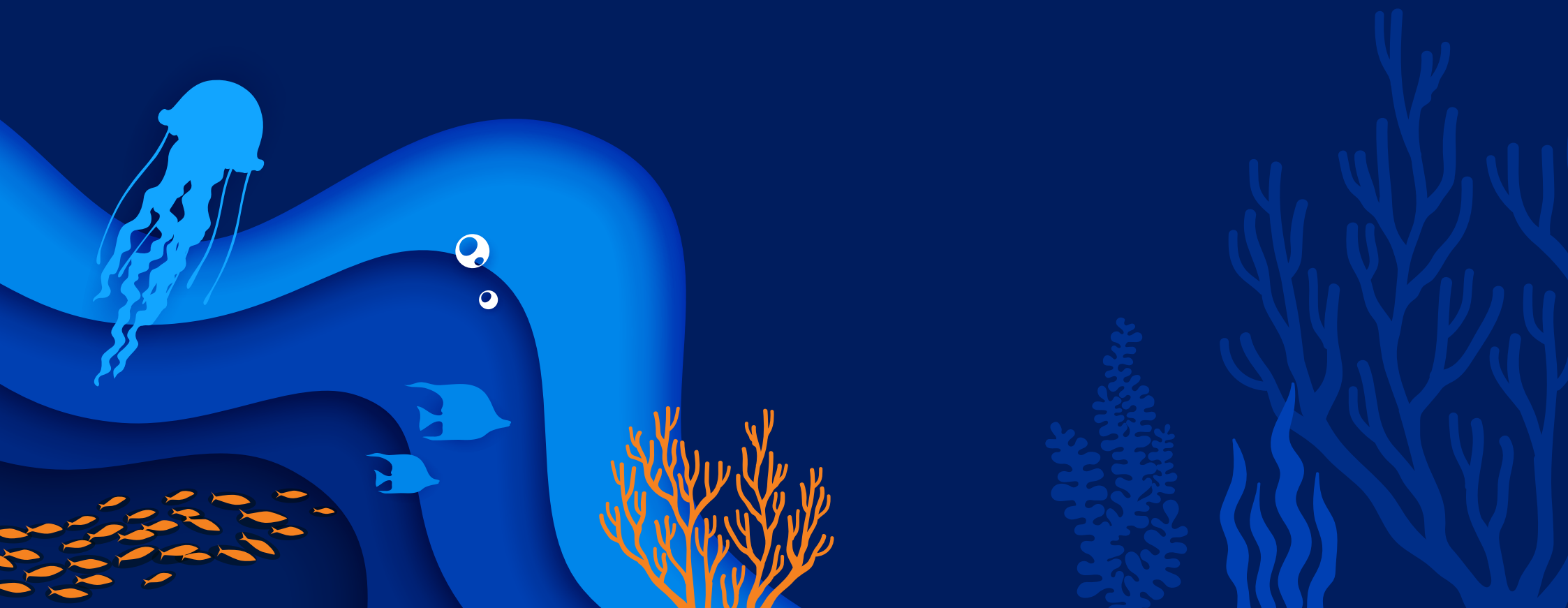


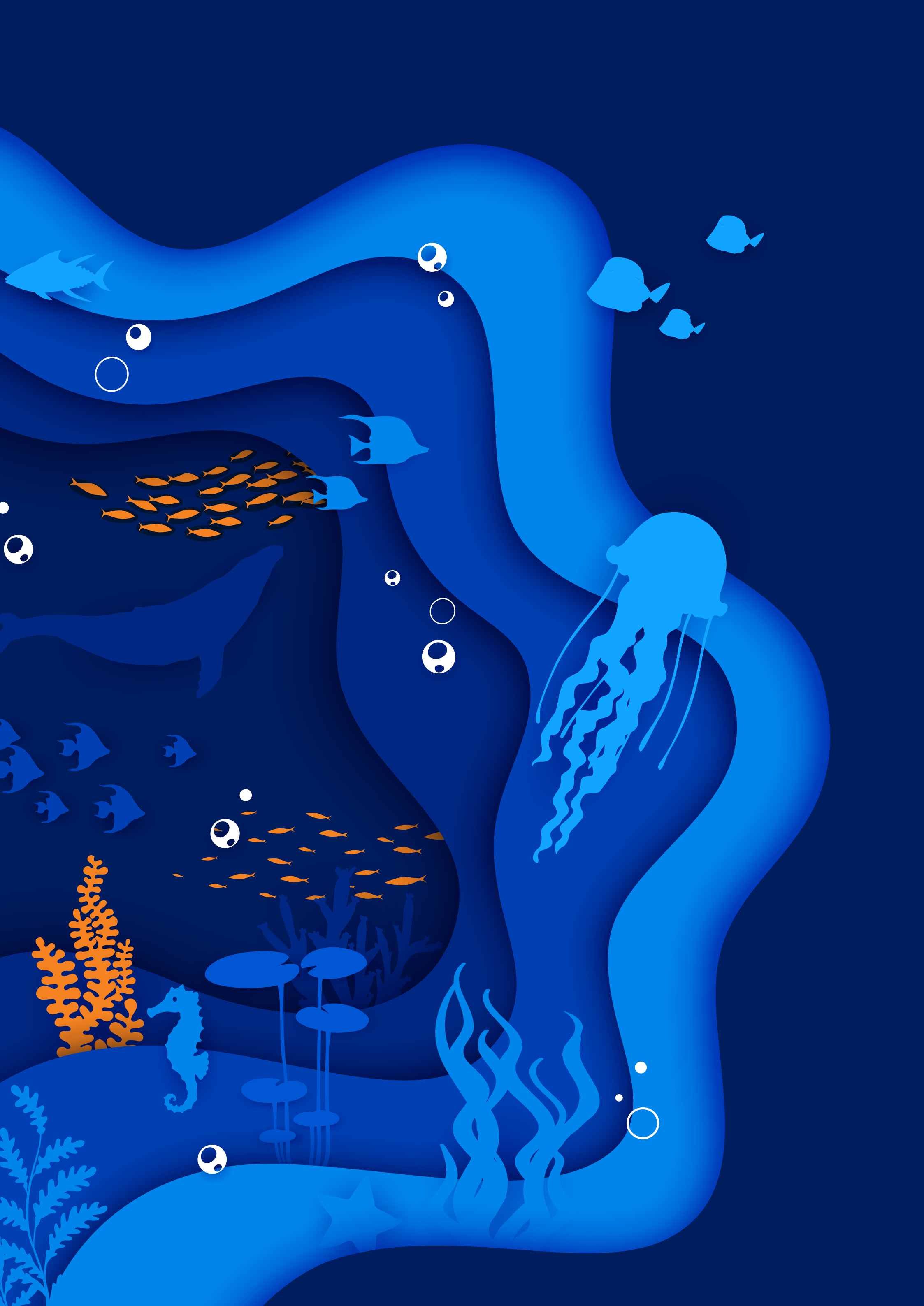


OCEANS

THE WORLD BENEATH THE WAVES

EXHIBITION GUIDE





Bring the wonder of the ocean to your venue with Oceans, Scitech's newest travelling exhibition.

This world-class, fully immersive experience invites visitors to climb aboard a research vessel and embark on an unforgettable journey through some of the most captivating marine environments on Earth. As they travel from coastlines to the deepest seas, they'll uncover the science, technology, and innovation driving ocean conservation and explore how our actions can protect the big blue world for generations to come.

From interactive coral reef regeneration to cutting-edge environmental DNA discovery, Oceans blends beautifully designed experiences with real-world science to spark curiosity, inspire action, and create the next generation of ocean champions.

Experience the power of ocean conservation across 6 immersive exhibition zones.

RESEARCH VESSEL

The research vessel is your access pass to the big blue beyond! On board, you'll explore the technologies that are used to monitor the world's marine environments and provide essential understanding for the future of ocean conservation.

COAST

Venture to the water's edge to tune your scientific senses. Observe, catch and collect to learn how our actions and choices on land can influence the deep blue.

CORAL REEF

Dive into the colourful coral reef experience to see and hear innovative solutions that will be needed to protect this vital ecosystem while the world works to address climate change.

KELP FOREST

Be surrounded by a diverse world of light and dark and witness a Giant Kelp forest's dynamic journey of recovery.

DEEP OCEAN

The deep ocean is full of life and more influenced by human activity than you might think. Explore the power of ocean currents and descend to the inky depths. Discover unique creatures who live in the most unexplored place on Earth.

POLAR OCEANS

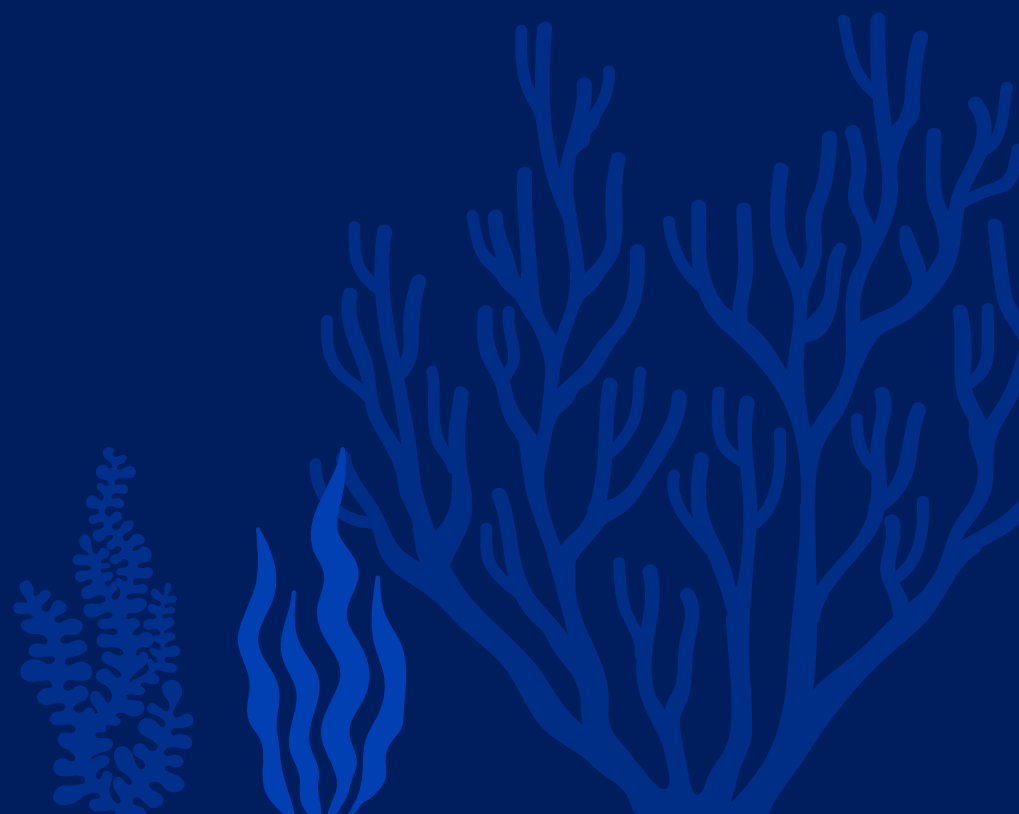
Brace yourself and imagine the challenges of life on ice. See how amazing animals thrive in the extreme conditions. What can we learn about this shrinking habitat that provides crucial balance for the world's global climate?

For venues with 4,300-6,500 sq ft (400-600 sq m).
For additional information contact:

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Supported by



RESEARCH VESSEL

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BATHYMETRY PUZZLE

The ocean hides an incredible landscape. Construct a 3D puzzle of the seafloor to learn how modern sonar technology is building a detailed view of the underwater world, piece by piece.

BIG BLUE DATA

New technologies on Earth and beyond help us understand and monitor the ocean like never before. Observe global ocean maps produced from the data captured by these technologies.

CLOUD CANNON

Conservation requires innovative new ideas. New ideas need to be tested. Simulate a marine cloud brightening technology designed to lower ocean temperature. Will it be a bright idea, or a cloud catastrophe?

ENVIRONMENTAL DNA

What swam where? Scientists use environmental DNA analysis to monitor species by using what they leave behind. Analyse the environmental DNA samples from each marine zone. How many species can you find?

MARINE MICROSCOPY

The ocean is home to many tiny superheroes. Rotate the specimen carousel and adjust the digital microscope to view a range of marine organism's microscopic details on the monitor display.



COAST

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CITIZEN SCIENCE

You don't need a science degree to contribute to marine conservation. Join a biological species survey in a coastal environment and learn how everyday people can contribute to marine conservation projects and research.

LIGHT IMPACT, HEAVY IMPACT

Food from the ocean is essential for people around the world, but how we fish can make a big difference to its sustainability. Pull the ropes to see the environmental impact of different fishing methods.

PERSISTENT PLASTIC

Collect plastic waste from the beach. Why does plastic keep appearing? Move plastic waste from the beach into bins in this physical interactive that demonstrates the long lifespan and impacts of persistent plastic waste.

CORAL REEF

Dive into the colourful coral reef experience to see and hear innovative solutions that will be needed to protect this vital ecosystem while the world works to address climate change.

CORAL CRAWL

A highly immersive coral reef diorama invites younger visitors to explore and move through the reef to feel part of the ecosystem. Reef animal costumes provide the perfect photo opportunity.

CORAL SYMBIOSIS

Coral reefs are full of complex relationships. Observe a zoomed-in image of coral while adjusting environmental variables to see the movement of a coral polyp's symbiotic algae during stress, bleaching and recovery.

REEF DJ

Sound has an important role in many marine environments. Listen to samples of healthy reef sounds and then mix them together to create your own reef soundtrack. Can you bring life to the reef?



KELP FOREST

Be surrounded by a diverse world of light and dark and witness a Giant Kelp forest's dynamic journey of recovery.

KELP FOREST WALK

Walk through an immersive kelp forest environment to observe a disturbed kelp forest's dynamic journey of recovery. Be inspired by nature's resilience in this story of loss and hope.

DEEP OCEAN

The Deep Ocean is full of life and more influenced by human activity than you might think. Explore the power of ocean currents and descend to the inky depths. Discover unique creatures who live in the most unexplored place on Earth.

DEEP DIVE

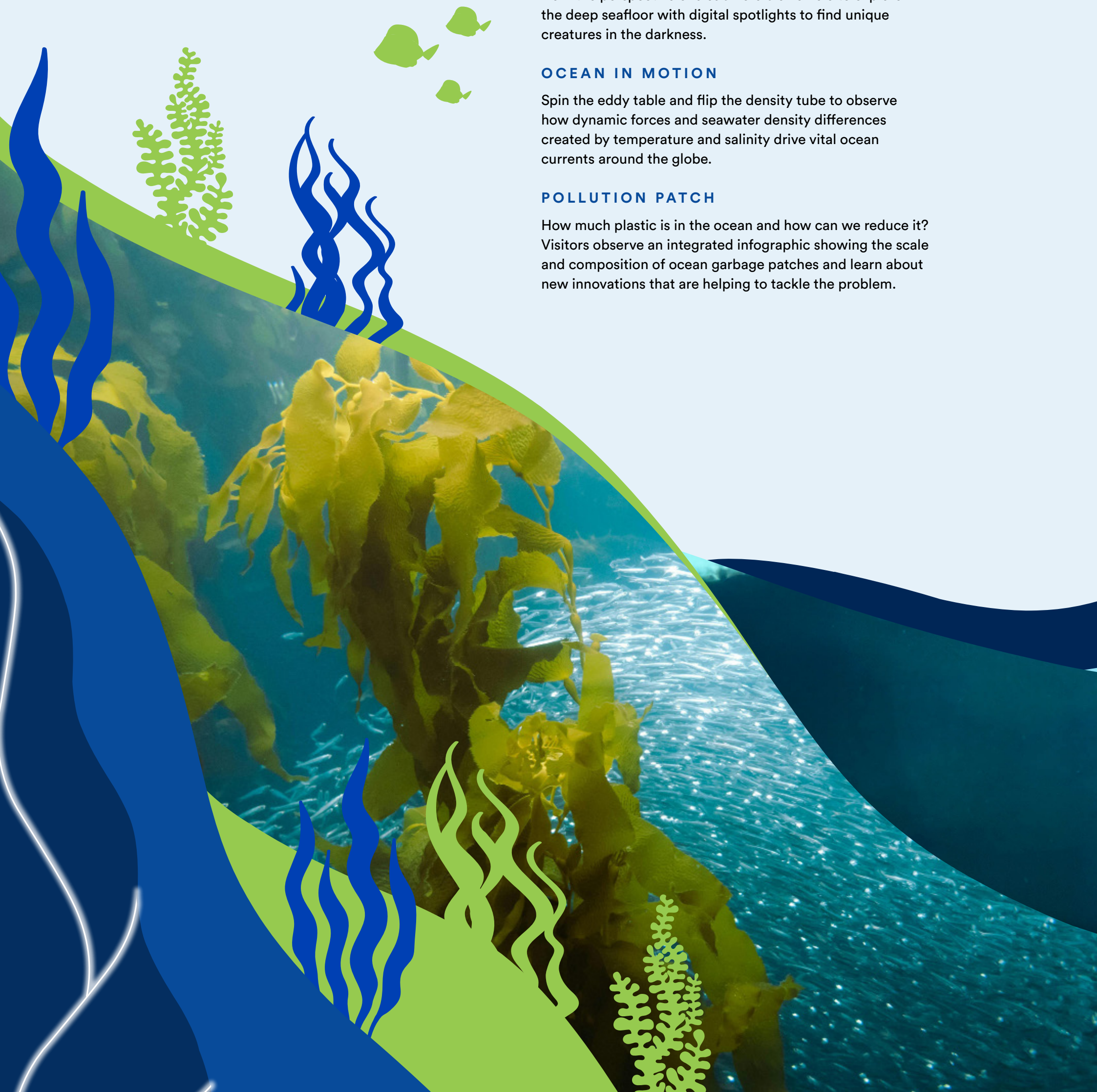
The deep ocean holds many secrets. What will you discover? Visitors experience an immersive simulation from the perspective of a submersible vehicle to explore the deep seafloor with digital spotlights to find unique creatures in the darkness.

OCEAN IN MOTION

Spin the eddy table and flip the density tube to observe how dynamic forces and seawater density differences created by temperature and salinity drive vital ocean currents around the globe.

POLLUTION PATCH

How much plastic is in the ocean and how can we reduce it? Visitors observe an integrated infographic showing the scale and composition of ocean garbage patches and learn about new innovations that are helping to tackle the problem.



POLAR OCEANS

Brace yourself and imagine the challenges of life on ice. See how amazing animals thrive in the extreme conditions. What can we learn about this shrinking habitat that provides crucial balance for the world's global climate?

ARCTIC SEA ICE

Polar sea ice is a vital habitat for animals and helps to regulate the Earth's climate. Visitors rotate the tabletop to move through time and see the image of Arctic sea ice extent change and decline through recent history to the present day.

I SPY

Learn how sensors turn seals and other animals into scientists. Visitors interpret data from marine animal tags to work out which marine environment the animal lives in. Did you see them on your travels?

LICENSE TO KRILL

Four players compete as Antarctic marine animals to get their feed of krill. How does the game change when fishing trawlers arrive? Players observe how marine protected areas can support thriving ecosystems and sustainable fisheries.

PENGUIN PURSUIT

Live like a penguin on polar sea ice. Climb the iceberg play structure and slide back down. This physical interactive lets younger visitors imagine what life is like in the polar oceans.

REFLECT AND RESPOND

**What did you learn on your journey?
Visitors reflect on their research voyage
and consider which actions they can take
to support our oceans.**

