







THE INTERNATIONAL YOUTH EORUM GO4BIODIV

THE FUTURE LIES IN THE BLUE AND IN THE YOUNG

ur Planet is blue: marine areas cover more than 70% of the surface of the Earth. And our planet is young: Over 50% of the earth's population is under 29. So the future of this earth lies clearly in the blue and in the young. Reason enough to give both of them a voice.



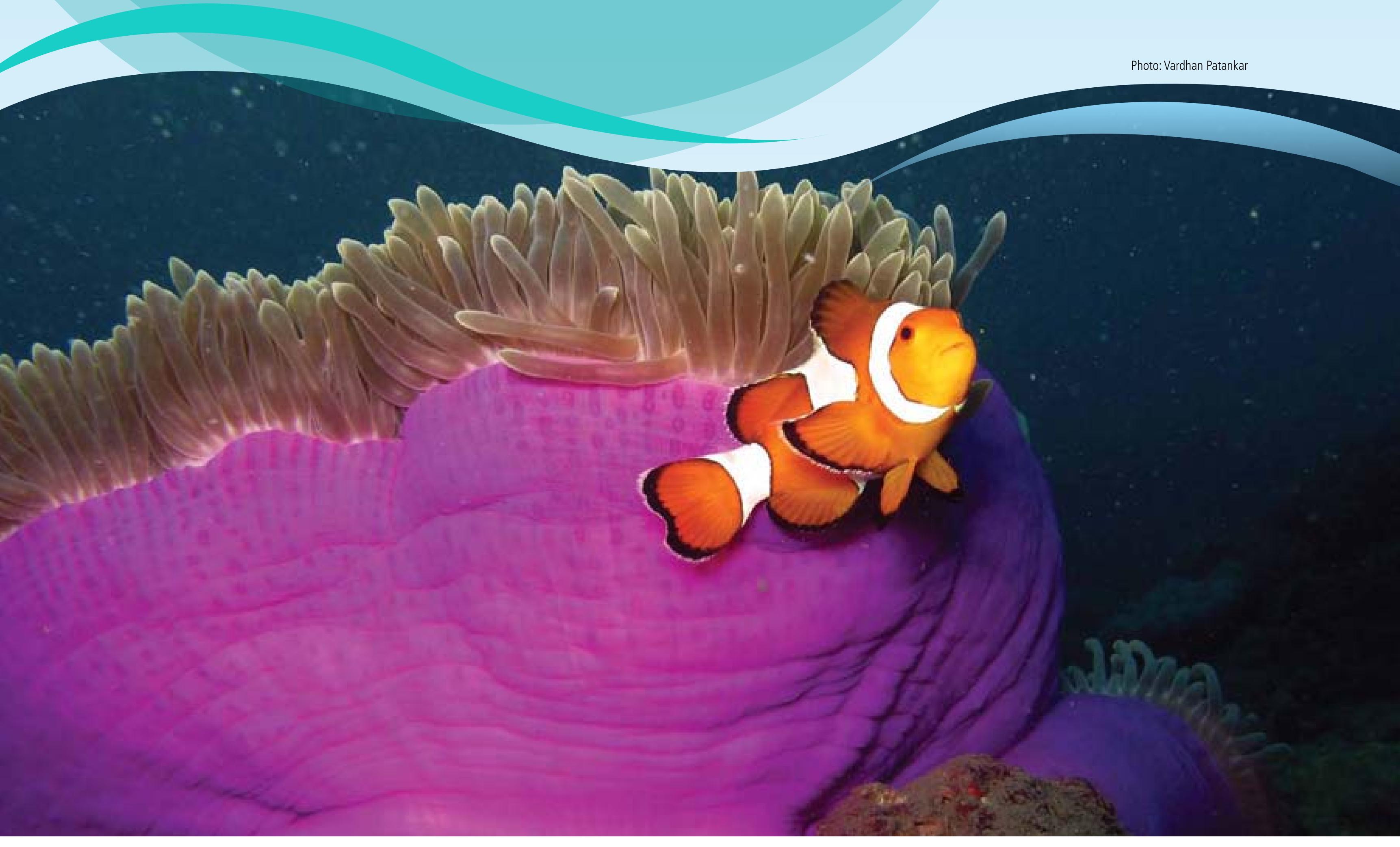
THE FORUM: COASTAL AND MARINE BIODIVERSITY FOR SUSTAINING LIFE AND LIVELIHOODS

he International Youth Forum Go4BioDiv brings together young dedicated people from all over the world to express their views on the 'Conservation of coastal and marine biodiversity for sustaining life and livelihoods'. It offers the opportunity to share on-the-ground conservation experience, ideas and concerns with peers, decision makers and the wider public. The next years will be decisive for halting the rapid biodiversity loss worldwide and the force of the youth is needed more than ever. Go4BioDiv supports the young dedicated people around the world in this huge task.

THE PARTNERS, THE PAST AND THE FUTURE

o4BioDiv has already been carried out twice: in Germany 2008 and in Japan 2010, and it was a great success. A few months ago it was recognized as a project of the United Nations Decade on Biodiversity due to its "excellent approach to getting young people actively involved in international policy dialogue on the conservation of biodiversity".

In 2012, Go4BioDiv is jointly organized by the Indian Ministry of Environment and Forests (MoEF) with the Wildlife Institute of India (WII) as the nodal centre, the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH on behalf of the Federal German Ministry for Economic Cooperation and Development (BMZ), the ASEAN Centre for Biodiversity (ACB), and the International Union for Conservation of Nature (IUCN). It is supported by the World Heritage Centre of the United Nations Educational, Scientific and Cultural Organization (UNESCO WHC), the Secretariat of the Convention for Biological Diversity (SCBD), and World Wide Fund for Nature (WWF). Together with many other allies, the Youth Messengers reach out and make a strong call to the public.

















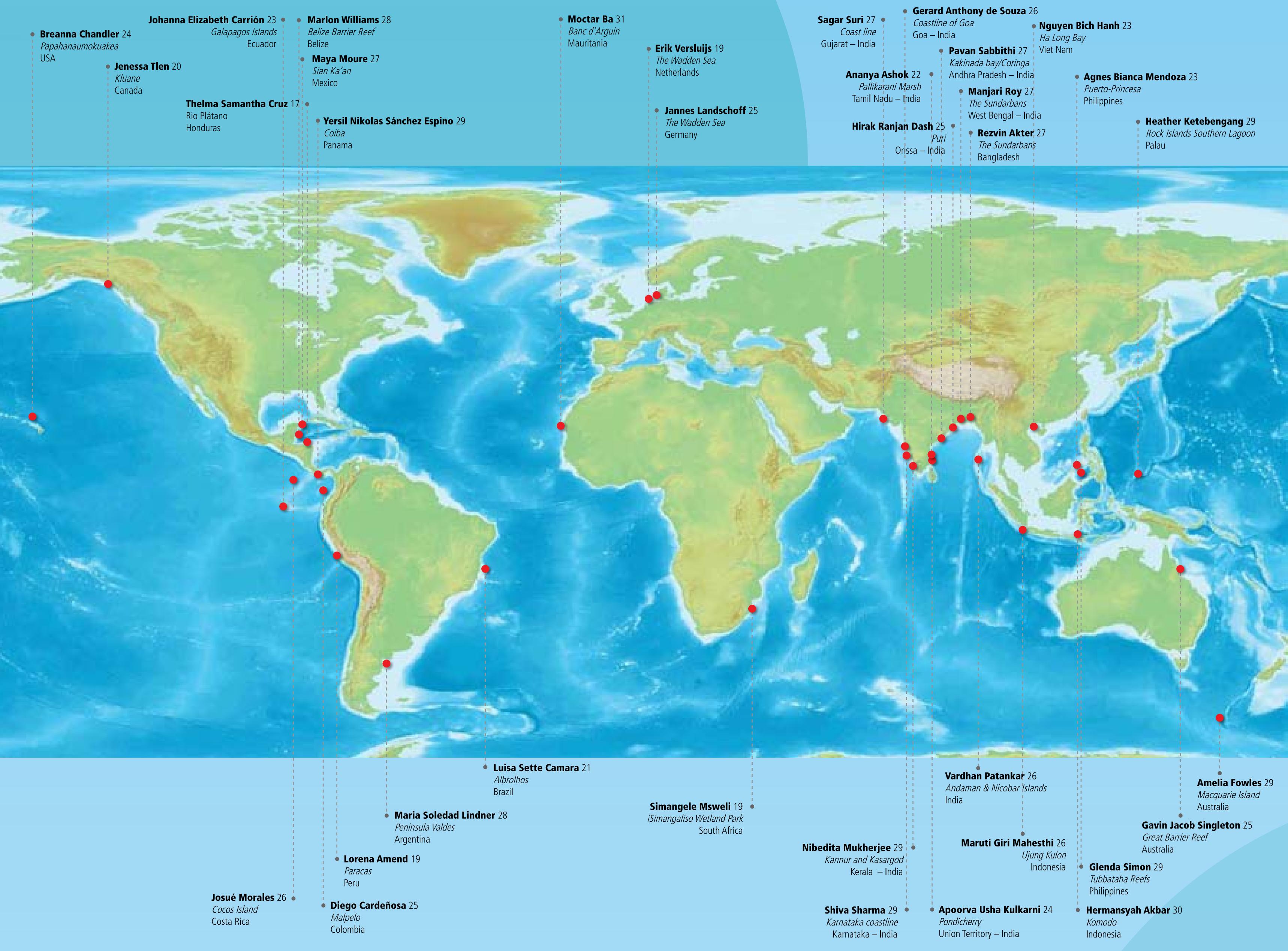








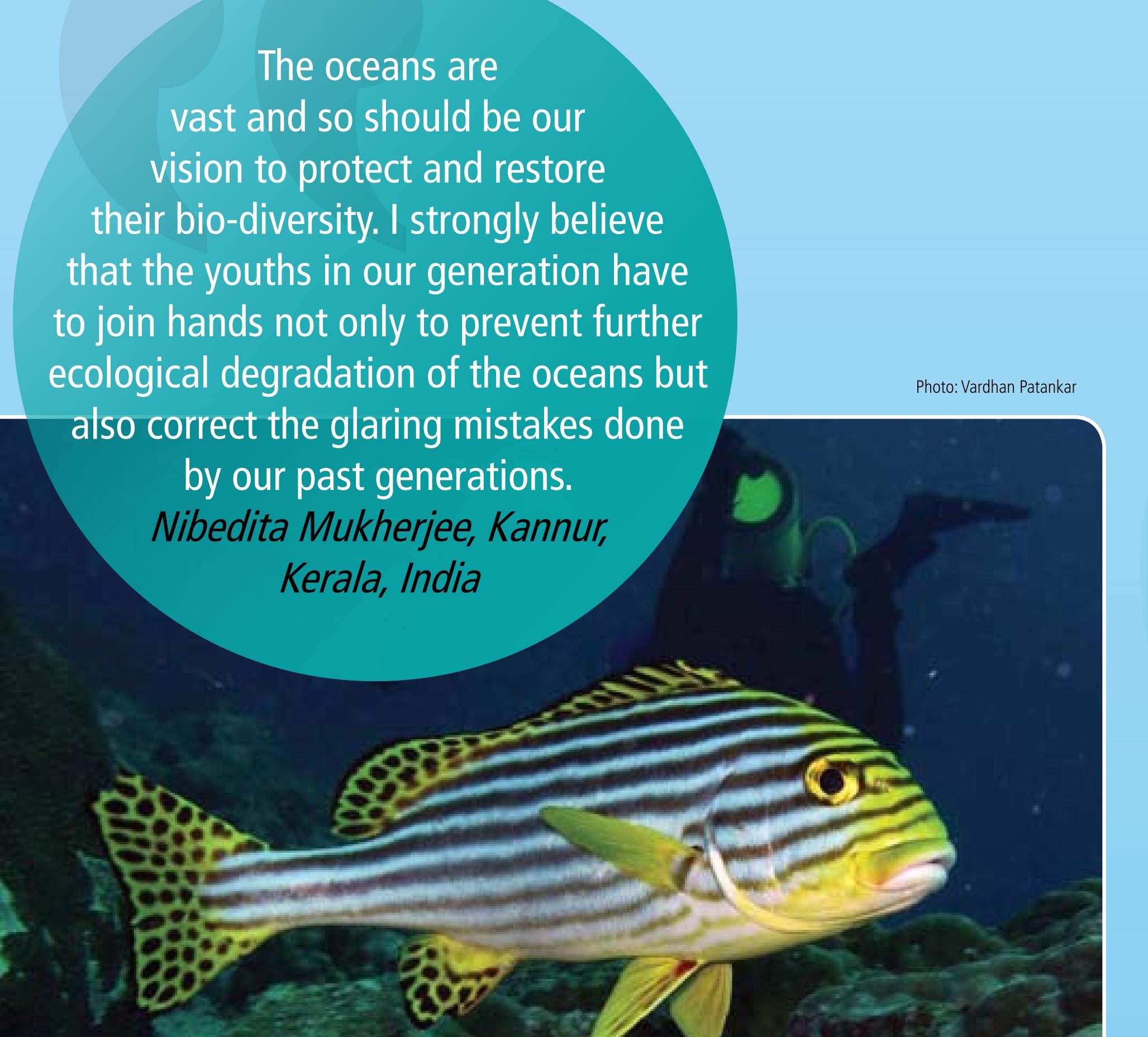


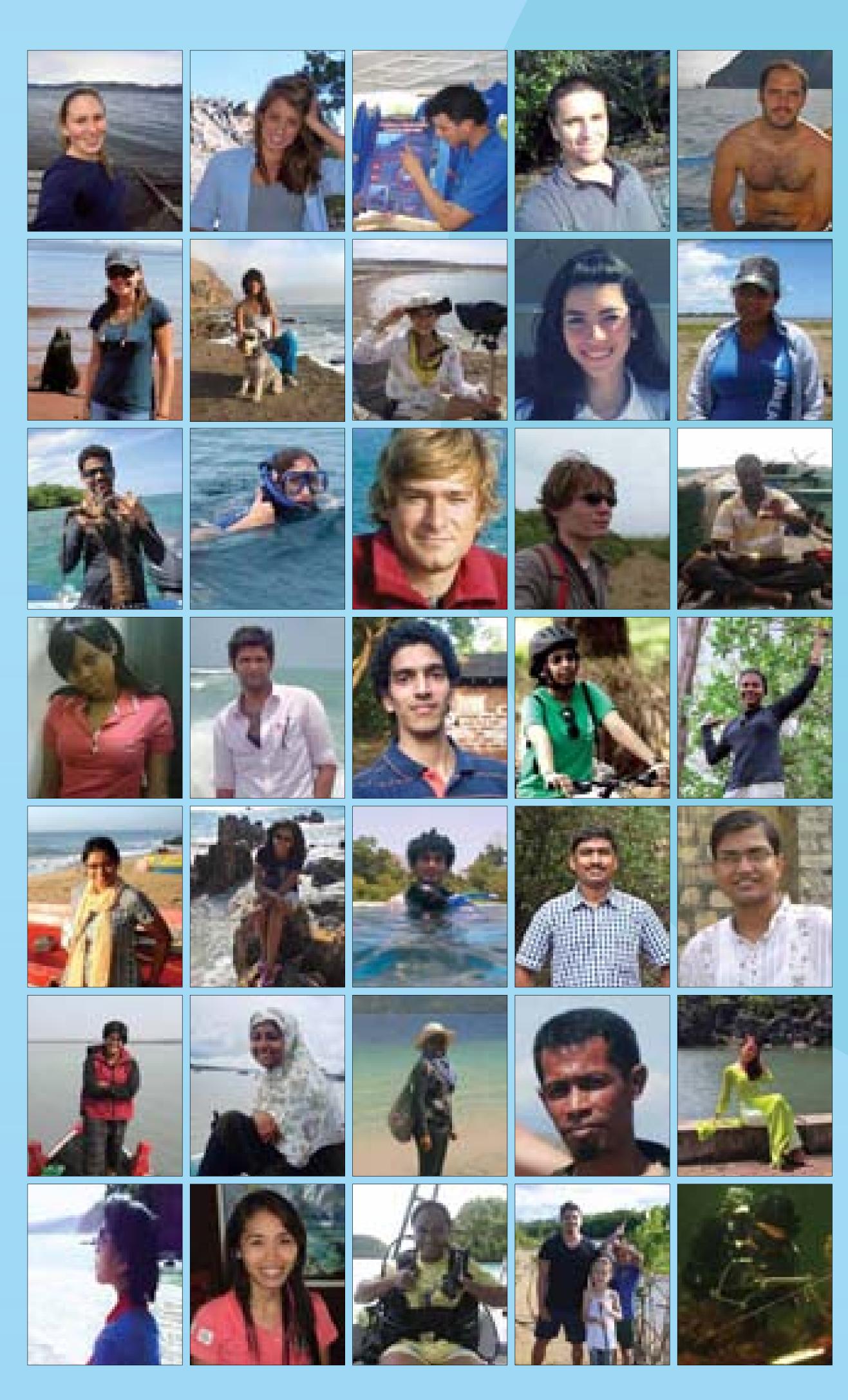


DIVE INTO OUR EUTURE

ess than 2% of the ocean is protected worldwide. We are the Youth Messengers of Go4BioDiv — and we are lucky: most of us come from coasts and islands belonging to this small section of protected areas. We have experienced that the oceans bear a wealth of life and beauty if they are treated respectfully. We know that we strongly depend on those fragile coastal and marine ecosystems, and that we simply could not exist without them. 'Conservation of coastal and marine biodiversity for sustaining life and livelihoods' — that is what we aim at and urge you to do as well!

We are thirty-five dedicated young people selected to represent our communities, environmental groups and research institutes from the Americas, Europe, Africa, Asia and the Pacific region, including Australia. As Messengers of our sites, we have a lot to say and to show - dive with us deep into our oceans and learn more!





There
is a demand
for a healthy coast
and clean water, where fish
can be caught and people can
swim. Therefore the community
needs conservationists to safeguard
coastlines like the Wadden Sea.
Personally, and as a coastal
biologist, this means life to me.

Jannes Landschoff, Wadden
Sea, Germany









OUR MARINE WORLD HERITAGE THE CROWN JEWELS OF MARINE CONSERVATION

The UNESCO World Heritage Convention was adopted in 1972 on the premise that certain places on our planet are of Outstanding Universal Value and as such should form part of the common heritage of humankind and be preserved for future generations. On a blue planet with more than 70% oceans, a huge part of our biological and associated cultural heritage is located in marine areas.



Long Bay was the
first Vietnamese natural
World Heritage site. The unique
natural and cultural values of this
dreamlike bay with up to 2000 islets have
been appreciated and loved by millions of
visitors. With the economic, historic and
cultural values, Ha Long Bay does not only
mean life for my community but is also
a source of pride of us.

Nguyen Bich Hanh, Ha Long
Bay, Vietnam

Photo: Nguyen Bich Hanh

SITES OF "OUTSTANDING UNIVERSAL VALUE"

site, the Tubbataha
Reefs, holds the only true
atoll coral formation in the
Philippines and is one of the few
remaining examples of a highly diverse
near pristine coral reef in the world. It
is home to a number of endangered and
internationally protected marine species
and secures food for the Filipino
people.

Glenda Simon, Tubbataha Reefs, Philippines

oday, there are 46 marine sites in 34 countries inscribed on the World Heritage List. All these sites bear exceptional features and have been recognized by the international community for their breathtaking natural beauty, fabulous biodiversity, or unique ecological, biological and geological processes. In the language of the Convention they all have Outstanding Universal Values. Despite their high societal recognition, a combination of human activities and natural influences put many sites in danger. If we want to maintain their beauty and functionality and pass it on to the next generation, we need to seriously tackle the threats for the conservation of our coasts and oceans — in World Heritage sites as well as everywhere else in the big blue realm.













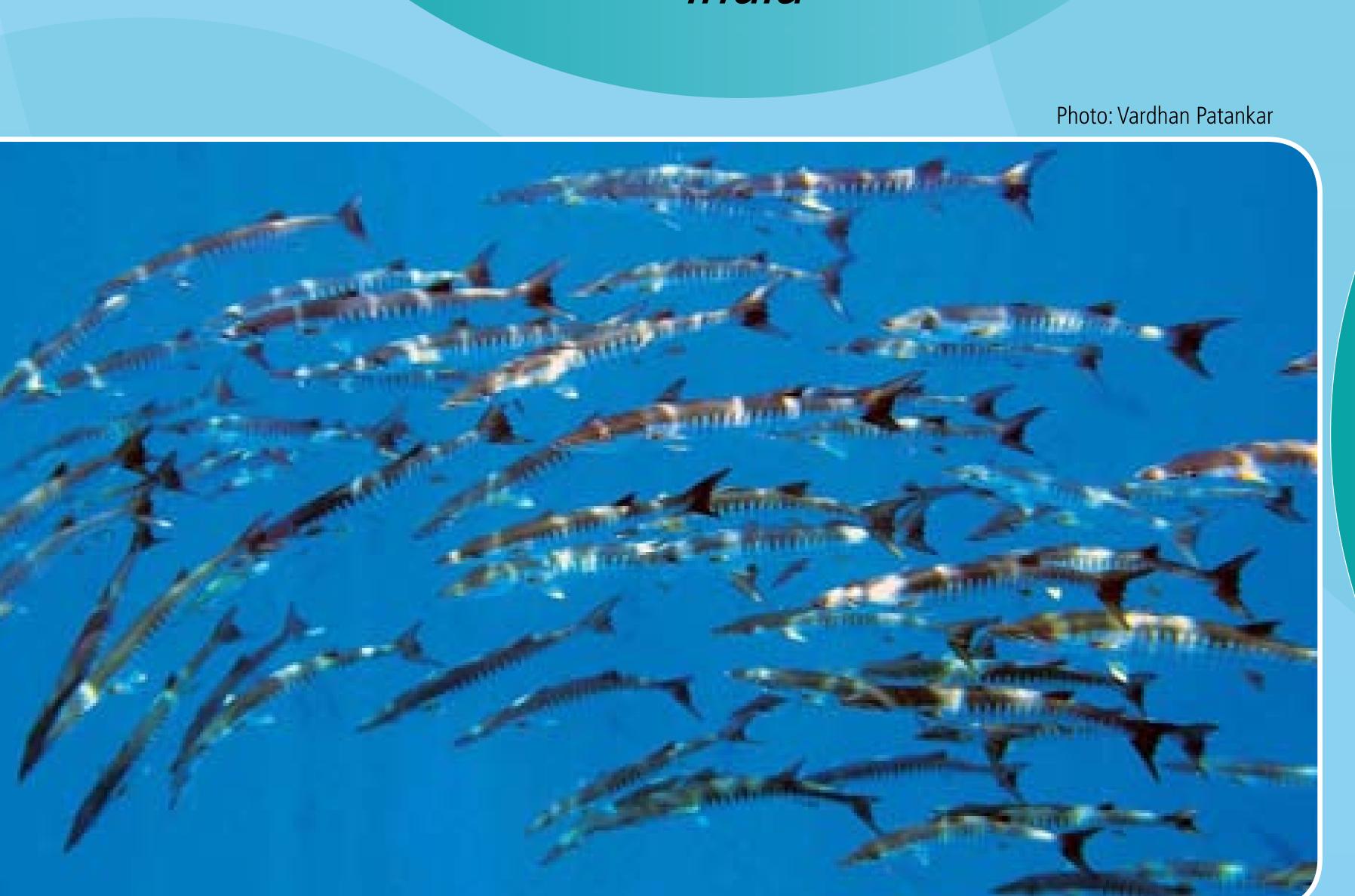
ife was born in the oceans. From there it conquered the terrestrial areas, the mountains, the rivers, and the air — without ever losing the connection to the ocean. Until today, we and all life on this planet depend on the sea for our survival. With every breath we take, every sip of water we drink, every fish we eat, and with many storms we endure: we are connected to it. All the marine and coastal ecosystems have their special services to offer: Estuaries and coral reefs are among the most productive regions on the planet!

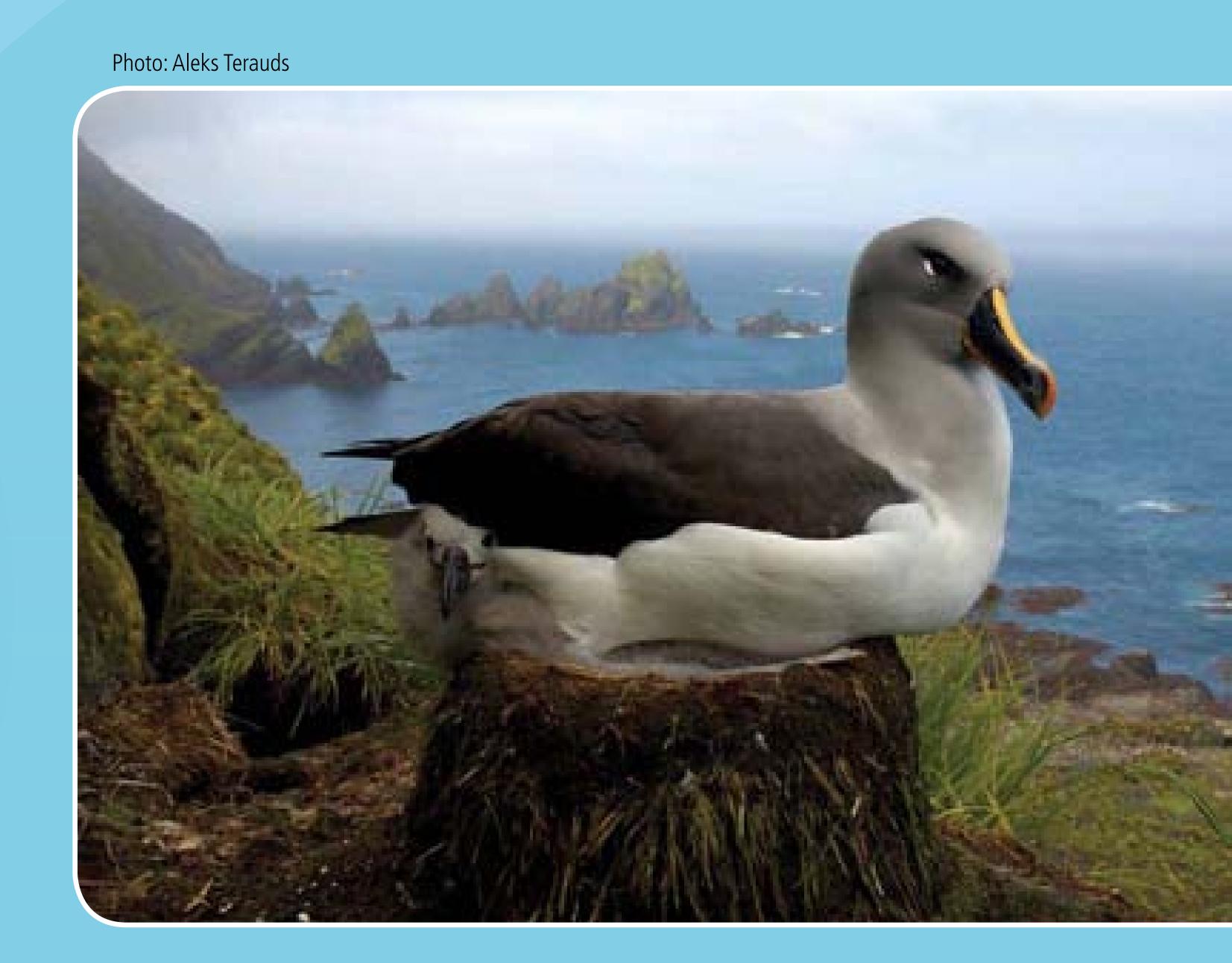
Some plant and animal species are vital for the health of productive ecosystems — even though you might never have heard of them before. We simply cannot afford to lose any more of our marine and coastal diversity or further endanger the most amazing regions of the world!

Follow us through some of the important marine and coastal ecosystems and discover the uniqueness and immense value of our sites.

From
mangroves
to corals, and browsers
to predators: all being found
here makes the Gujarat Coastline a
wholesome and balanced system. While
corals facilitate security and breeding of
various species of fish, mangroves provide
safety from high tides and the wrath of water.
One of the unique species found here is the
Dugong, recently declared vulnerable to
extinction by the IUCN.

Sagar Suri, Gujarat Coastline, India





species of
mammals, 5 species of
primates, 59 species of reptiles,
22 species of amphibians, 240
species of birds, 72 species of insects,
142 species of fish and 33 species of
coral reefs – all to be found in Ujung
Kulon National Park!
Maruti Giri Mahesthi, Ujung Kulon
National Park, Indonesia











Coasts and islands have a magnetic effect on people: More than one third of the world's population live in coastal areas and small islands, in an area that makes up just over 4% of Earth's total land area. But what makes people accrue there? Livelihoods!Over half a billion people base their livelihoods directly on oceans and coasts. Alone fisheries and the processing of fish provide employment to 38 million people. Those numbers are not astonishing when you take into account that over a billion people rely on fish as their primary source of protein. In the context of livelihoods, the rapidly growing tourism sector provides new opportunities for many coastal communities and plays an important role in their daily lives.

Since our wellbeing depends so obviously on functioning, productive ecosystems and their optimal utilization, we should definitely not miss to conserve them properly! Visit with us some of the most important ecosystems in our home countries and discover their value for our wellbeing.

long grass and make handicrafts like

sleeping mats, baskets and door mats

with it. They sell their artwork and

manage to generate income.

Simangele Msweli, iSimangaliso,

South Africa

th ti

There
are about 18
marine fishing villages
and 10,370 fishermen families in
Pondicherry. The ocean is like a mother
to these communities as she provides
them with all the required resources. Fish is
their staple diet and only source of protein
intake. 80% of the population thrives
directly or indirectly on fishing activities.

Apoorva Usha Kulkarni, Pondicherry,
India

Mangroves
are the main source
of income generation for
fishing communities and a good
source for timber, fuel, fodder, honey,
medicine and secondary by-products:
Tannins extracted from the bark of some
mangroves are used by Indian fishermen
to dye their nets and thus enhance
their durability.

Pavan Sabbithi, Andra Pradesh Kakinada Bay, Coringa, India









BONDS DEEPER THAN THE OCEAN

coastal areas and marine resources are of substantial cultural and historic significance to many communities. Sometimes, the islands and coastal regions not only provide the main sources of food but have been used for settlement and cultural rituals during millennia. Over the time, an often complex value, believe and practice system has been established and is passed on from generation to generation, as part of an intangible cultural heritage. This includes deep knowledge about the marine and coastal ecosystems and a lifestyle which goes along very well with the often fragile ecosystems.

But the risks are obvious: If healthy and productive seascapes and coastal landscapes are lost, the basis for traditional use patterns of local communities are endangered, the source of affection and respect is lost, cultural identity might fade and spiritual wellbeing is no longer assured. So many more reasons to conserve our oceans properly!

is home and a
healing place! The ocean is
home to my community. We feel
an unexplainable spiritual connection
to the sea. Elders believe we not only
belong to the sea but we also descend
from it as well. We are told to live in
harmony with all living things in the
ocean, as it is the main provider of food
and medicine for my community.

Gavin Singleton, Great Barrier
Reef, Australia



the locals say
"Papahanaumokuakea
is where life originated from",
and once you see the fast array of
life it is easy to understand that idea.
Papahaumokuakea is more than just a marine
sanctuary, it holds the highest concentration
of ritual sites in Hawaii. Papahaumokuakea
reminds me of Ohana (family). I know that
Papahaumokuakea will be my Ohana.

Breanna Chandler,
Papahanaumokuakea, USA

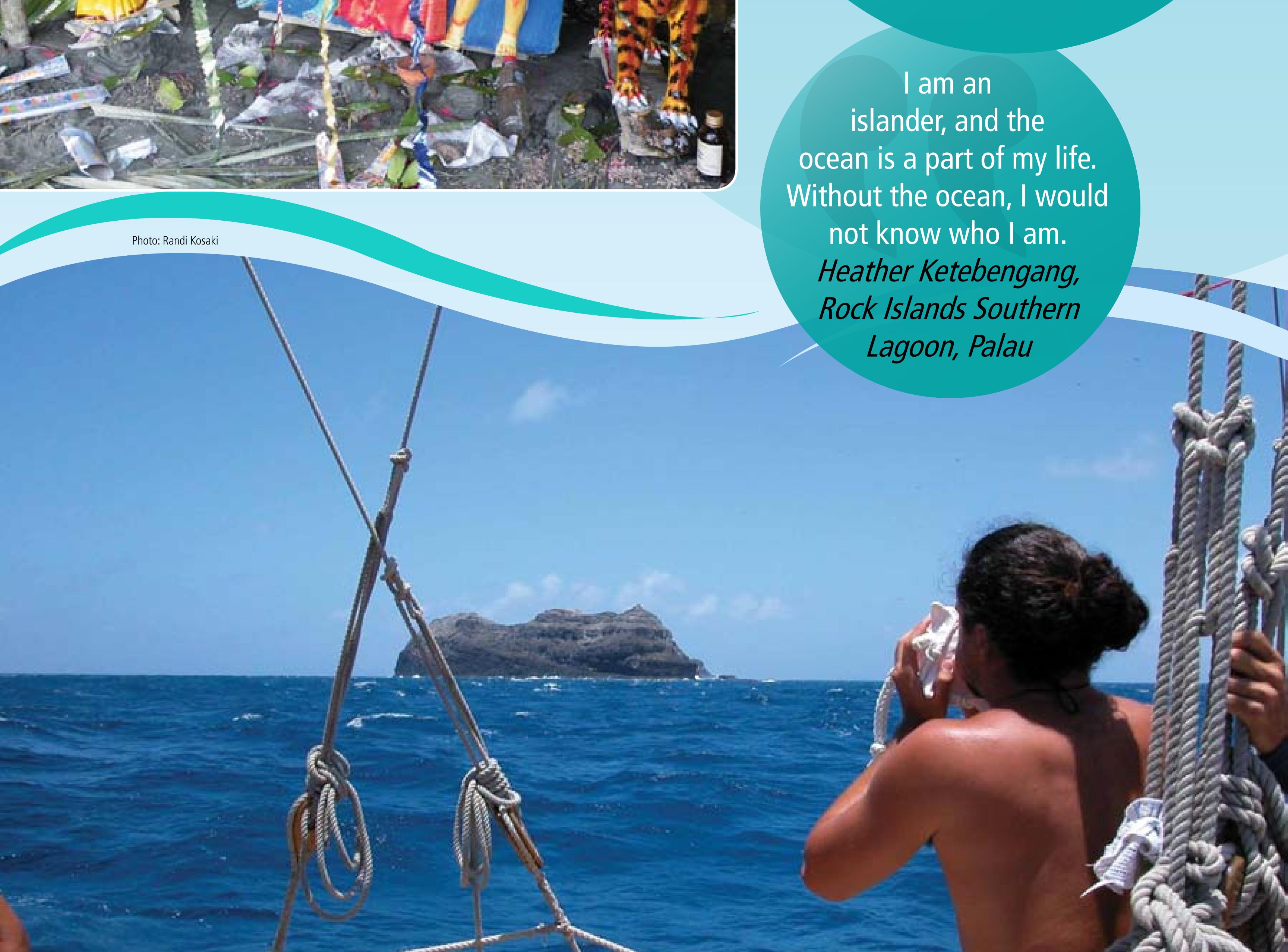


Photo: Mushfiq Amed









Ithin ecosystems, the plant and animal species fulfill important functional roles. Some species build habitats, others recycle nutrients, the herbivores feed on algae and top-predators prey on other inhabitants of the sea. These relationships have evolved over a long time and are sensitively balanced.

However, marine and coastal ecosystems face a multitude of challenges. Global pressures like climate change, plastic waste and overfishing add onto habitat destruction for housing or other infrastructure buildings, as well as regional sources of eutrophication or toxic inputs from industrial facilities. Each of these factors poses a threat, but in combination they multiply their negative effects and thus threaten the health and resilience of the entire ecosystems.

The loss of species and thereby the loss of functional diversity impairs the capability of ecosystems to cope with pressures. Further degradation may lead to irreversible changes in the structure of the ecosystems and their provision of services.

We therefore urgently need to take a precautionary approach to all human activities, if we want to preserve our "life-support-system".

of all foreigners
who visit India come to
Goa. Tourism has put huge
pressure on the state's mangrove
forests and beaches. The real estate
industry seeks to build anywhere and
everywhere: hotels, houses or other
infrastructure. Just everybody wants
a "house in Goa".

Gerard Anthony de Souza, Goa, India I see the need and the opportunity for my family and my community to have a sustainable way of living. Many people still believe that fish stocks will never be depleted, but it is the mindset that needs to be changed. I don't expect every fisher in my community or in Belize to convert but to understand the very basics that using a resource without allowing it to recover will surely bring adverse effects.

Marlon Williams, Belize Barrier Reef, Belize



Photo: Gerard Anthony de Souza

the weather
warms in our arctic area,
the ice fields and some of the
unique species are being threatened.
Even minor changes to the environment
can have dramatic effects on the ice pack
and sensitive plants and animal species.
Mining is a growing economy that is heavily
impacting the Yukon Territory in northern
Canada currently. We all wonder what
the future will bring.

Jenessa Tlen, Kluane,

Canada









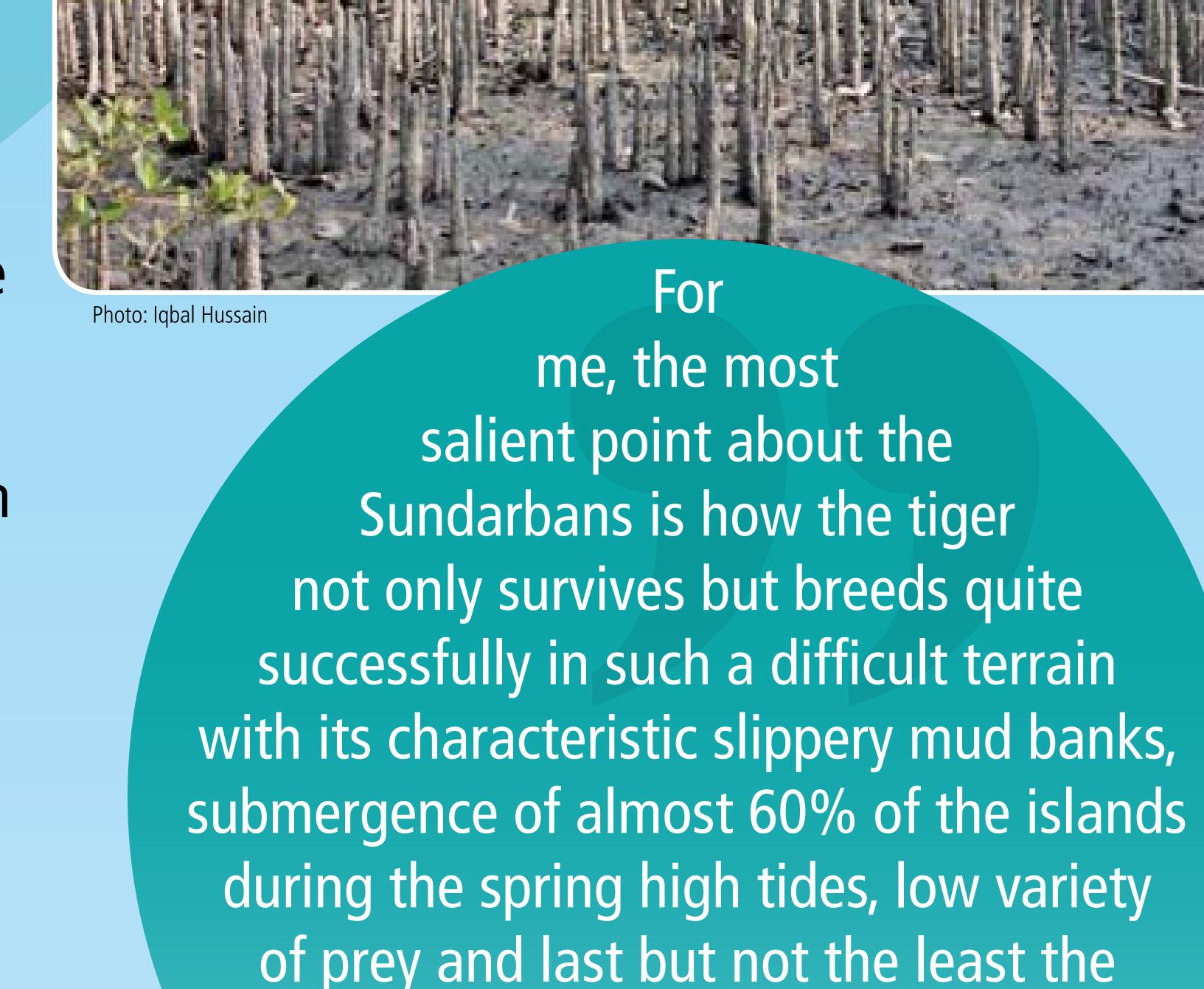
SERVICE PROVIDERS ON STILTS

MANGROVES

and trees perfectly adapted for a life between the elements. Their specialized roots form a dense meshwork that slows down water movements and withholds particles. Small fish, shrimps and clams strive in these cleared waters above the fine muddy sediments, attracting bigger fish and thus fostering human livelihood.

In the course of the projected sea-level rise mangroves will have to move "up-shore" with the new waterlines. In the densely populated coastal areas, however, limited space is left between human settlements and infrastructures. Apart from this "coastal squeeze", mangroves are threatened due to firewood collection, conversion into shrimp or aquaculture ponds and clearings for tourism related facilities.

Mangroves have the capacity to store organic carbon in the sediments: stabilized by the root system and covered by water in anoxic conditions, organic carbon can be sequestered as long as the sediments stay untouched and below water. But when mangrove forests are converted into shrimp ponds, this carbon is released.



Manjari Roy, Sundarbans, India

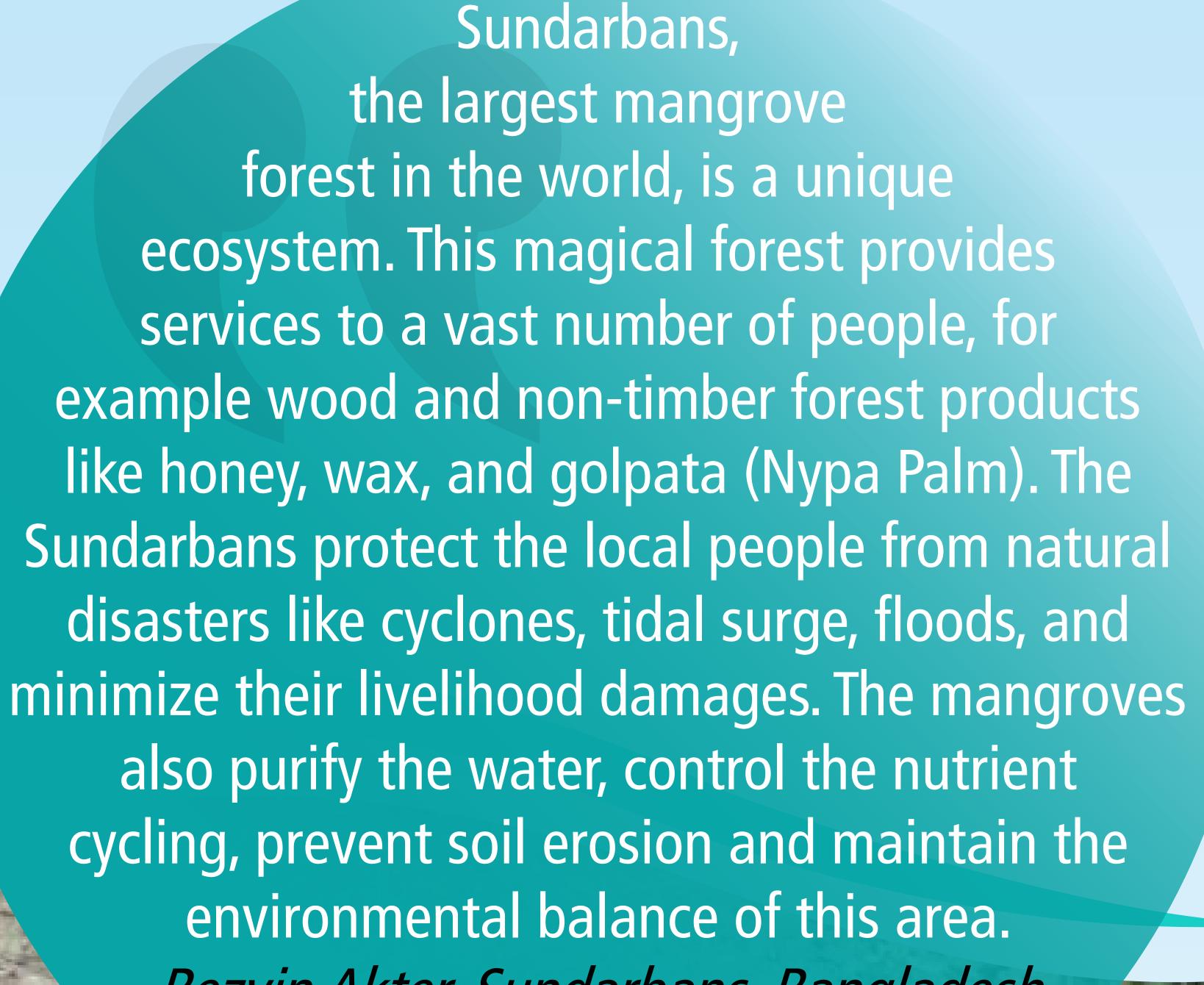
I work and

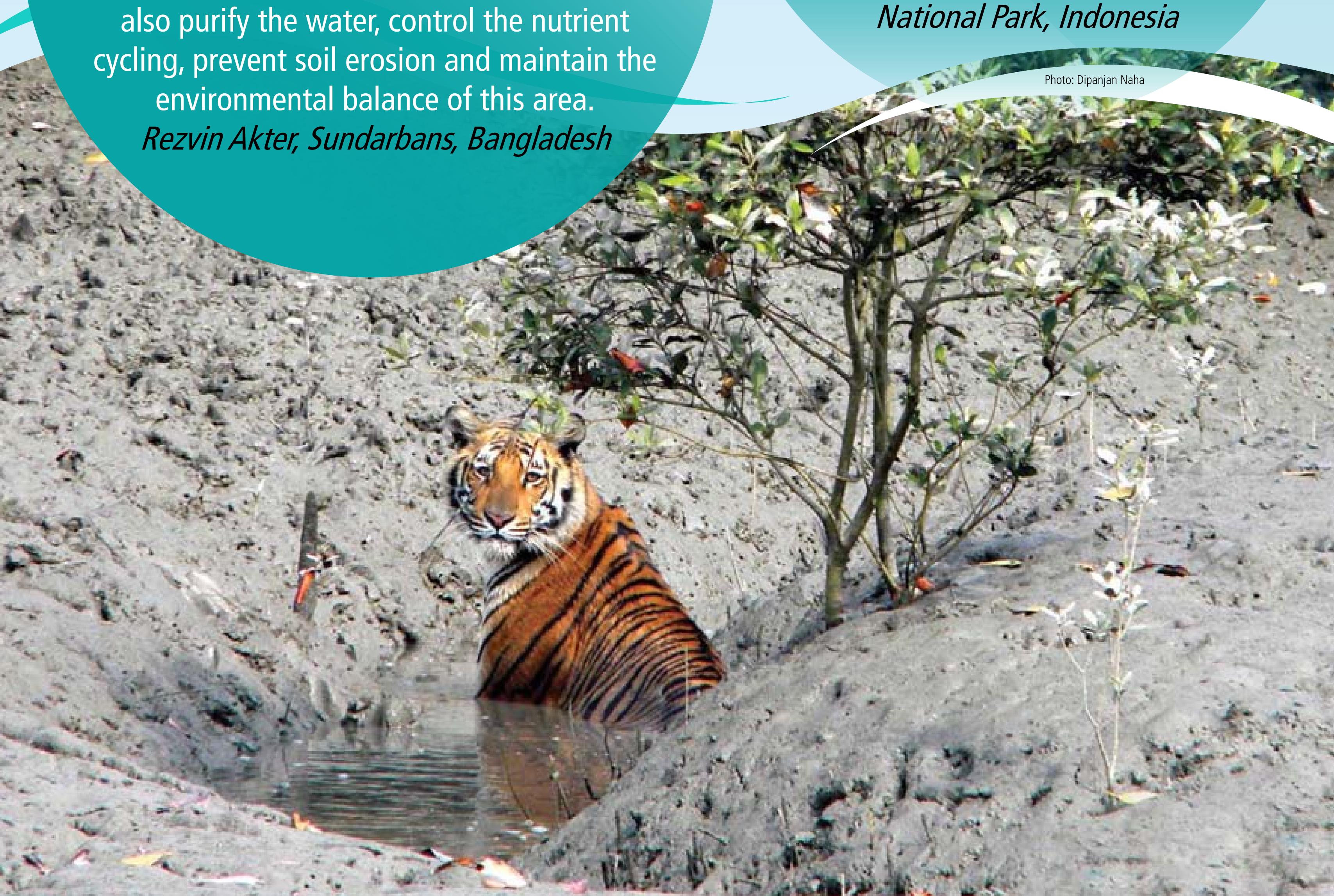
sharp pneumatophores throughout

the forest floor.

live in Komodo National
Park. My parents originate from
Komodo village. I fully understand
that my home is a World Heritage
site, which has a unique and important
biological diversity. By saving the area,
the ecosystems will sustain the benefit
for the people living inside and
surrounding the area of the WHS.

Hermansyah Akbar, Komodo
National Park, Indonesia







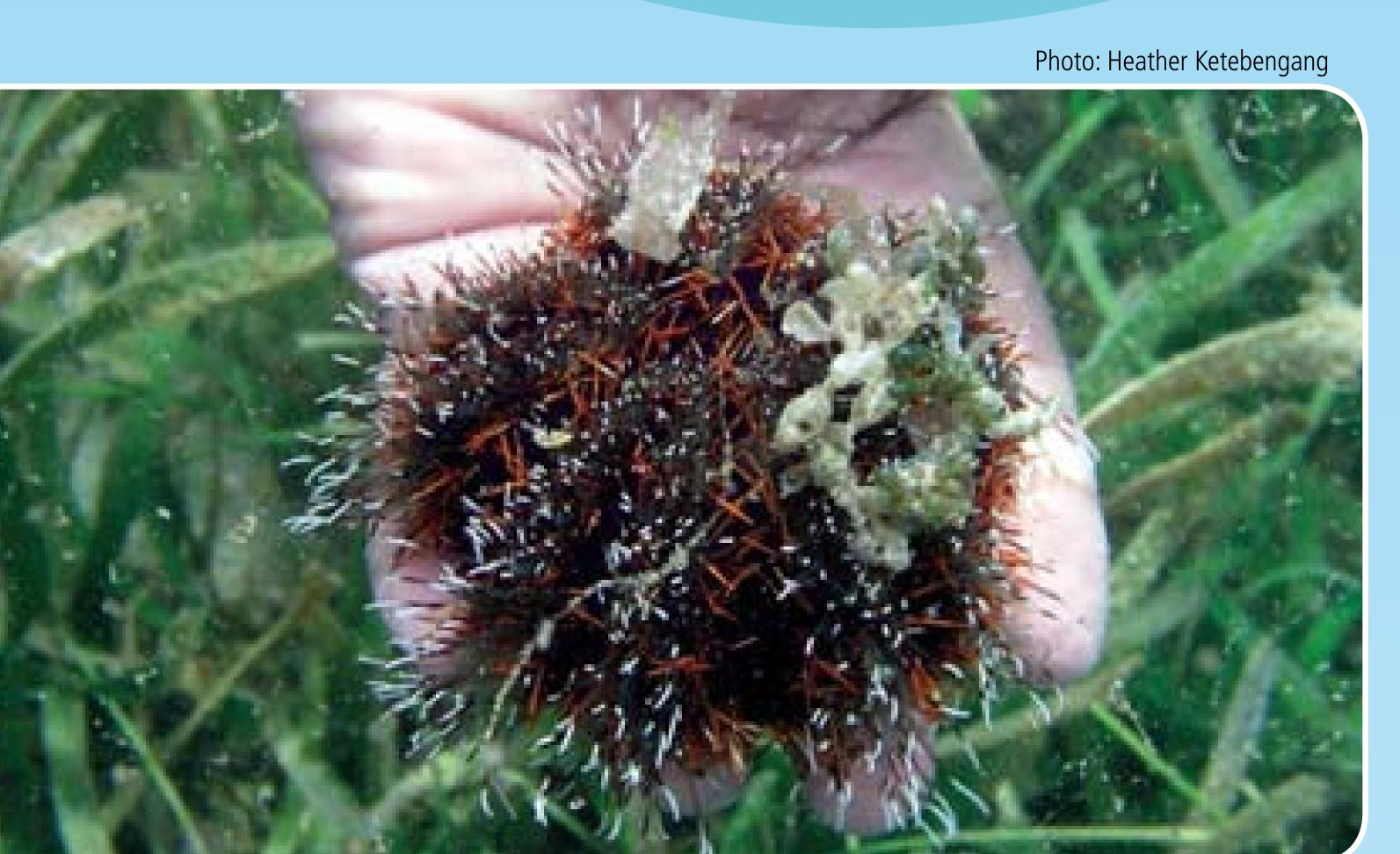






NOTHING FOR TIRED FELLOWS SEAGRASS BEDS

Inhabitants of seagrass beds are anything but sleepy. Big marine herbivores, like the highly endangered sea cows (dugongs and manatees) and the green turtle, use these meadows as their feeding grounds and a range of herbivorous water bird like ducks and geese are frequent visitors to those areas. Fishes, clams, crabs, shrimps and sea cucumbers, to name a few, house in seagrass beds and are collected for livelihood by coastal communities around the world.



Seagrass beds can be found on soft bottom grounds in shallow coastal areas almost all over the world. They need soft bottoms because they are the only marine plants with roots and rhizomes anchoring in the ground. Those "little anchors" stabilize sediments, act as barrier against wave energy and protect the coastlines with their beaches and local settlements. But seagrass not only stabilizes, it also constructs, it is a real "ecological engineer": A bare mud or sand bottom develops into a complex three-dimensional structure of grass which then provides breeding grounds, food and shelter to countless other fauna and flora.

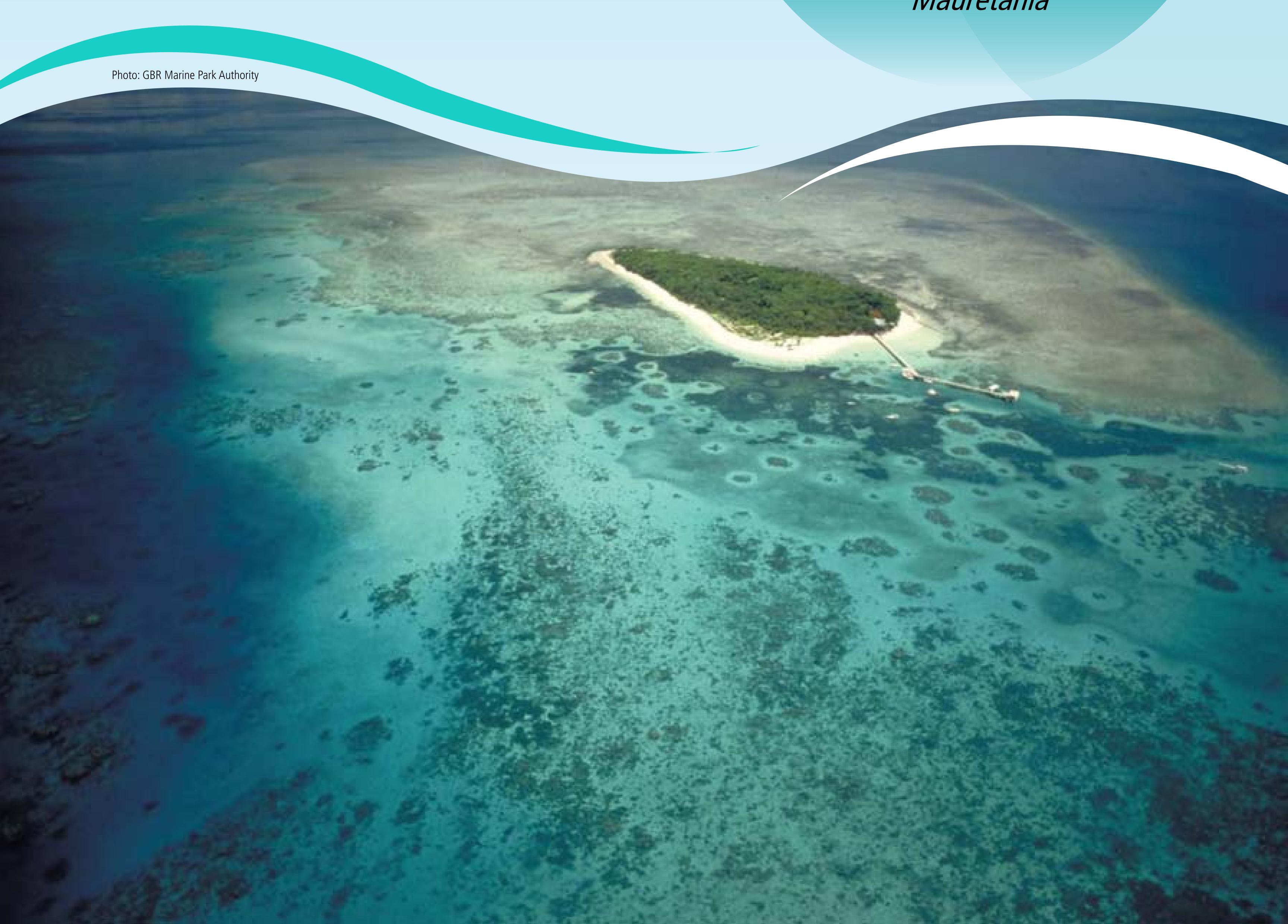
Despite their beauty and ecological importance, seagrass beds are often overlooked and undervalued by conservation measures. However, in recent climate change discussions they gain weight: these ecosystems store enormous amounts of CO2!

temperate oceans
are teaming with plants and
animals. We have twice as many
species of seaweeds and seagrasses
than tropical areas. The majority of southern
Australian marine species do not occur in other
countries, making these species more vulnerable
to extinction. Many species are being increasingly
'squeezed' by sea temperature rising above their
preferred range, the invasion of exotic species,
southward expansion of native warm water
species and increased fishing pressure.

Amelia Fowles, Macquaire Island, Australia

the ecosystems
have to be safeguarded
because they are related to
each other. When one of them is
destroyed it will reach the others
badly. When we don't safeguard them
we will lose a lot of advantages that
they provide.

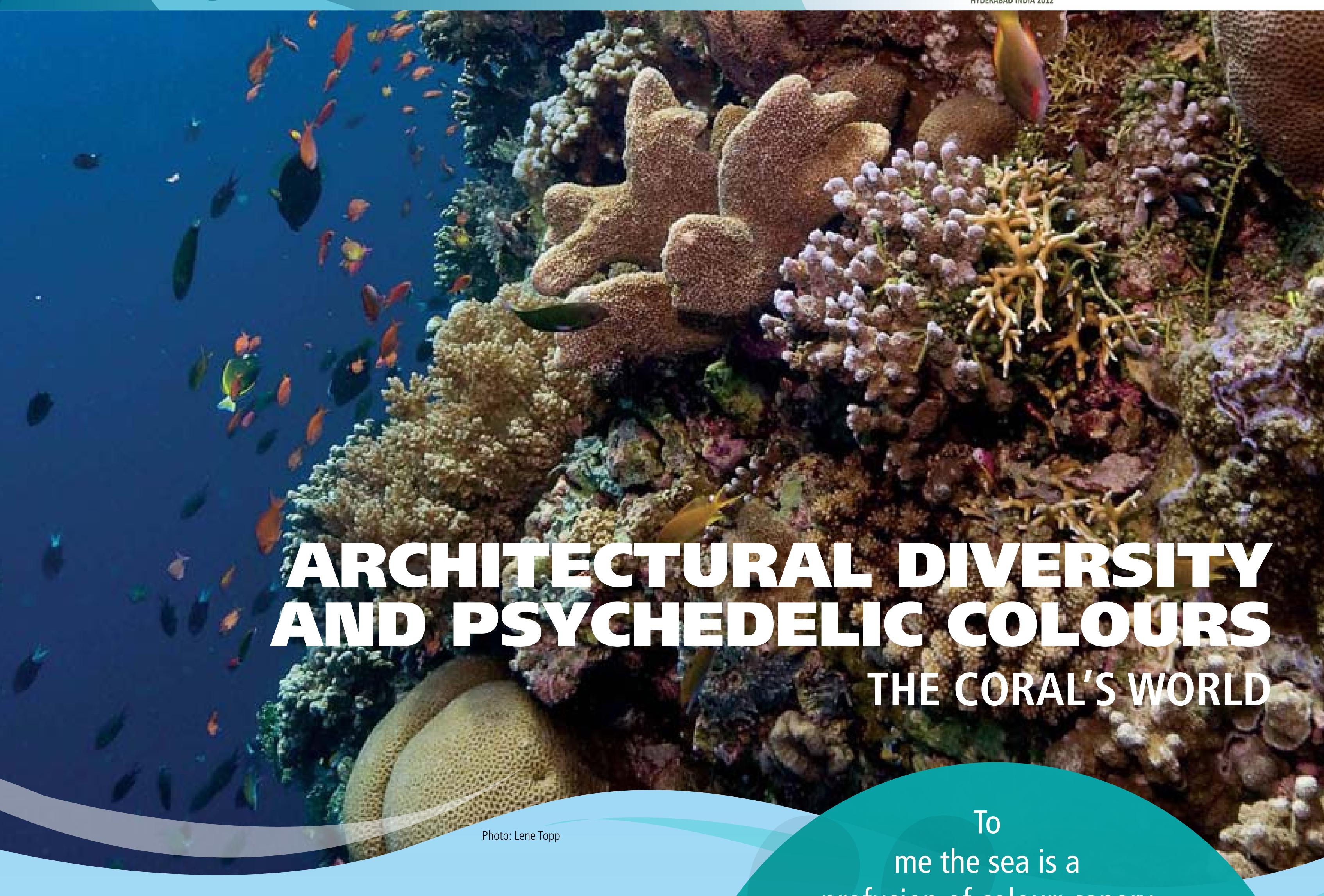
Moctar Ba, Banc d'Arguin, Mauretania











coral reefs are one of the most amazing features of life on earth and there is nothing comparable to it on land. Hard and soft corals build up unique landscapes. Each colony contributes with its characteristic shape, like branching or foliaceous corals, table tops, wrinkled brains, antlers or massive pillows. Most reefs are situated in the shallow waters of the tropics since the coral polyps live in symbiosis with small algae that need sun light for their photosynthesis. But some specialized corals can also be found in the colder and deeper seas, where they grow slowly in the dark, without algal helpers.

Tropical coral reefs survive in a very narrow light-temperature range. They are sensitive to high particle loads in the water, pollution and eutrophication. Destructive fishing methods and poor anchoring practices in touristic areas contribute to direct damaging of the reefs.

Corals provide a broad range of livelihood opportunities. On intertidal reef flats gleaning of invertebrates is an activity involving whole communities, especially women and children. Fishing on the productive outer reefs is, with very few exceptions worldwide, the duty of male community members.

Photo: Maya Moure

Soc Coop de Setu, Zo. "Lote Gas."

O Allen O Rost

Mail 2305020514

me the sea is a profusion of colour: canary yellow, vermilion red, citron orange, royal purple, pristine white dappled sunlight and an electric blue sea. I realised this nine years back, when I was introduced to diving. In the last few years the process of learning from nature, both above and in the water, has become a passion.

Vardhan Patankar, Andaman and Nicobar Islands, India

Photo: Vardhan Patanka



The
boundaries of
the Sian Ka'an Biosphere
Reserve include 110 km of the
second largest barrier reef in the
world. It means refuge for many species,
protection from beach erosion, and an
incredible landscape, which also attracts
tourism to the region.

Maya Moure, Sian Ka'an, Mexico









GLOBAL TOP-MOVERS PELAGICS

from tidal flats there are thriving communities in the open waters of the oceans. Planktonic algae build the basis of diverse food webs. Small planktivorous crustaceans are eaten by different sizes of fish, leading eventually to the more famous top-predators like tunas, whales and sharks. But marine food chains can also be short: whale sharks directly prey on planktonic organisms and reach sizes way beyond the common prey spectrum.

Most of the industrialized fishery fleets target pelagic species — and by ecological standards they are by far too effective. To satisfy the growing demand, also the remotest areas are being tapped and even the deep sea got into the commercial focus.

The species at the top of the food chain suffer from overfishing, pollution, habitat destruction and stress, like increasing underwater noise and dwindling food resources. Many of the huge fish and whales, but also marine turtles use global migratory routes with breeding, feeding and mating grounds. There they meet during specific times of the year. These truly global species are treasures of which we humans have to take good care: global networks of marine protected areas and mechanisms for negotiating the resources of the open seas are important approaches to meet this challenge.

Sanctuary is
worldwide known for
protecting large aggregations of
sharks that patrol around the island.
Due to the increasing demand for shark fins
and their high value in Asian markets, many
populations of sharks have been depleted due
to overfishing during the last decade. Therefore,
the biggest threat today are the illegal fishing
boats using the area for shark finning and
other fishing activities.

Diego Cardeñosa, Malpelo, Columbia

Abrolhos
was the first marine
national park established in
Brazil, in 1983, because of its biodiversity
and exuberance. The archipelago is also the
home to over 1,300 invertebrates, fishes, turtles,
seabirds and marine mammals. Of these species,
45 are considered threatened according to the IUCN
Red List. Abrolhos attracts thousands of tourists every
year, especially because it is the breeding ground for
humpback whales, which had almost gone extinct by
commercial whaling.

Luisa Sette Camara, Abrolhos, Brazil

Peninsula Valdés we have a unique continental colony of southern elephant seals; the orcas have developed an exceptional hunting technique, and the right whales mate and give birth in the area. Whale watching is an important touristic and economic activity of the region. During 2011, more than 110,000 tourists took the excursion to sight whales. The Peninsula is the principal reproduction area of the Southern Right Whales. This species had been edged close to extinction after many years of whaling. Now, in the Southwestern Atlantic Ocean the population consists of about 4,000 individuals and is rising with a rate of 5.1% per year. Maria Soledad Lindner, Peninsula Valdés, Argentina











WELCOME TO THE WORLD OF PIPERS, BOOBIES AND PENGUINS



people with nature — beyond age groups, social classes, or the divide of urban and rural inhabitants. A specialized tourism sector has evolved through this demand. It brings small groups of people to places where they can spot rare bird species or avian mass-gatherings.

The global migration patterns of birds are fascinating: many of the species that travel for thousands of kilometers rely on wetlands, coastal lagoons, intertidal mud flats or islands in the open waters during their annual migration. The spoon-billed sandpiper for example, is listed by IUCN as one of the 100 most critically endangered species in the world. This shorebird breeds in Russia and migrates 8,000 km along the East Asian-Australasian Flyway to the wintering grounds in Bangladesh and Myanmar. It is threatened by hunting and the degradation of intertidal habitats.

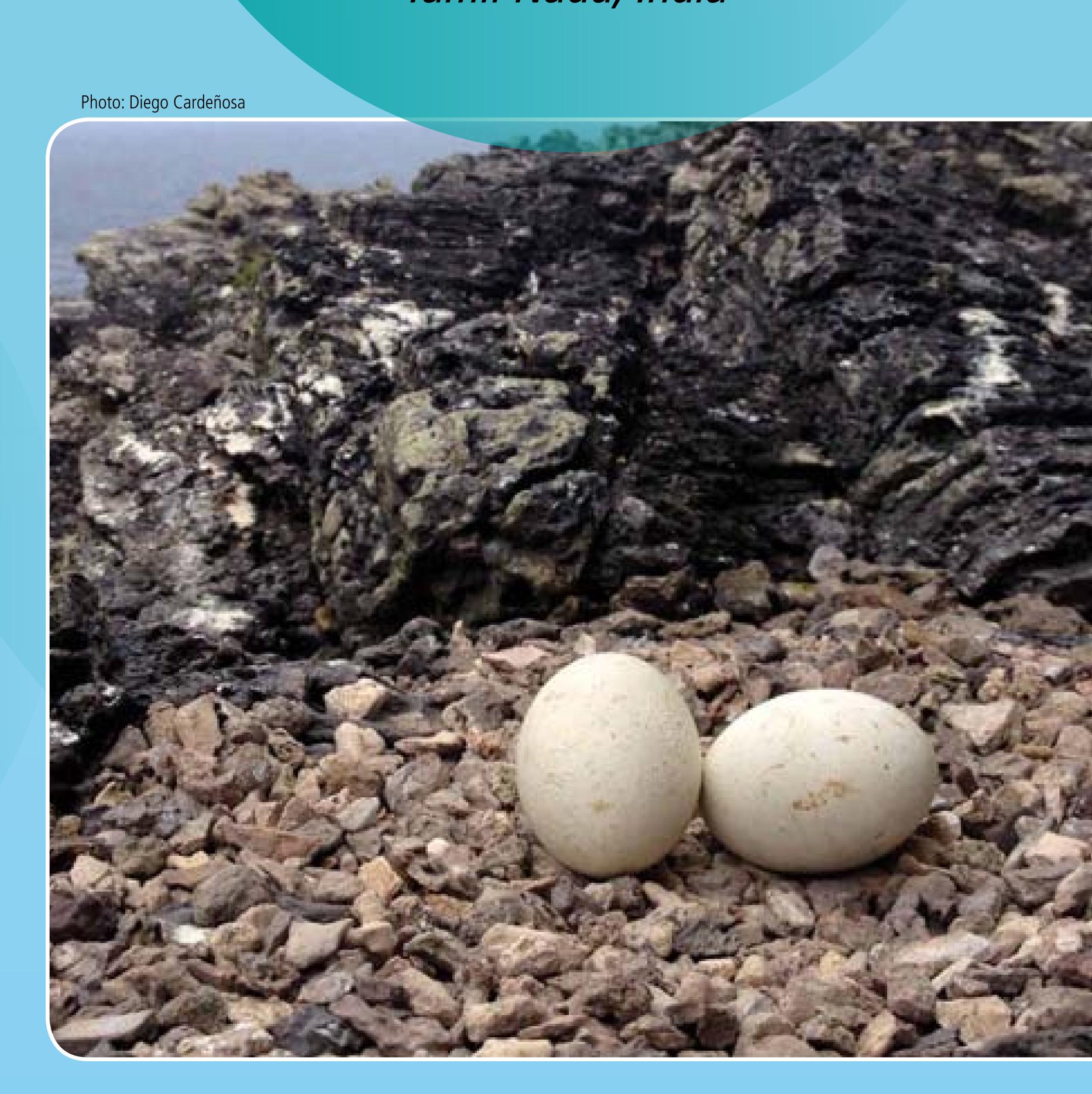
There are also true pelagic seabirds spending most of their life time over the oceans, just touching land to raise their young. Albatrosses belong to this category. They are highly endangered through accidental bycatch in commercial fisheries, ingestion of plastic waste and through predators like introduced mammals on their breeding grounds.

Several
bird species flying
across the globe on inherited
migratory patterns find calm,
solace and rest at the Pallikaranai
Marsh as they stop to feed, breed and
nurse their young. Among the several
exotic birds, often spotted here are jacanas,
painted storks, lapwings, pelicans,
flamingos - and the list goes on!

Ananya Ashok, Pallikarani Marsh,
Tamil Nadu, India

Since
my childhood I
have visited the Wadden
Sea often, mostly for bird
watching. Now I know why this is
such a good place for bird watching: the
dynamic effect of the sea provides for a
rich ecological diversity. And this diversity
generates plenty types of food resources
for migrating and wintering birds.

Erik Versluijs, The Wadden Sea,
Netherlands









Seamounts are underwater mountains which stopped growing before reaching the ocean surface. Many species roaming the sea use them as "stepping-stones" in the vast openness of the oceans. The water upwellings from the depths of the ocean into the shallower peak areas are especially nutrient rich and become hotspots for marine life.

Offshore islands are the big brothers of the seamounts - they made it through the ocean surface. In isolation from the main lands, they benefit from larval input of the surrounding currents. Many of them host a unique fauna and flora and have high rates of endemism.

Human communities on offshore islands depend directly on the sea. The relationship to their home (is)lands is strong — emotionally and economically. The challenge begins when resources decrease through overexploitation, habitat destruction, or storms. Tourism sometimes provides new livelihood opportunities, but has to be managed with caution to stay within the tolerable limits for the island ecosystems.

I was raised in the Islands and learned everyday about the importance of living in such a fragile ecosystem with so many unique characteristics.

Then, at university I studied ecotourism. Now the main objective of my career is to practice low-scale tourism with low impact.

Johanna Carrion, Galapagos

Islands, Ecuador

our small
scale fisheries, only 47
authorized vessels are allowed
to harvest within the boundaries of
Coiba National Park. Due to my work with
some communities located in the buffer
zone, I have realized that the livelihoods of
those people depend not only on harvesting
the goods that the site provides, but their
constant interaction with the Park and
other communities, every single day.

Nikolas Sánchez, Coiba, Panama

In
Isla del Coco we
have several ecosystems
but the most important for me is
called 'Estación de Limpieza' (cleaning
station). So far we know about 24 cleaning
stations where sharks arrive to get cleaned
from parasites by other small fish. The small
fish that help the sharks are called 'Cirujanos'
(surgeons) and 'Pez Ángel' (angel fish) their physical features are ideal for their
"doctor role".

Josue Morales, Cocos Islands, Costa Rica











IT'S ALL ABOUT THE RIGHT MIX ESTUARIES & TIDAL FLATS

stuaries are coastal areas where freshwater input from land meets the coastal environment. Species living in these zones have to be able to cope with a wide range of salinity, high particle inputs and nutrient loads. Tidal flats pose additional demands on their inhabitants: the cycle of the tides exposes the flats to droughts and extreme temperature shifts, which may lead even to freezing events. Although this leads to a limited set of species compared to fullmarine or full-freshwater conditions, the optimally adapted candidates, like some clams, worms and crabs, thrive in high numbers. They find rich food supply in the nutrient-loaded mud and serve as favorite plates for wading birds and several fish species.

Habitats associated with estuaries, act like huge filters dealing with the riverine loads. They comprise salt marshes, mangrove forests and seagrass meadows in the shallow waters. These loads may contain sediments, nutrients, but also waste - depending on the area of the drainage basin, the population density and the upstream land-use schemes. This explains the high productivity of estuarine areas, but also their proneness to pollution.

Our national park is home to very diverse flora and fauna and there are several reasons why we should protect the site. The park serves as a research site for the history of animals, land formation and geological subjects. Recently, cave explorers found a 20 million year old seacow fossil. It is only right to respect each and every life creation, and our task is to preserve it for the future generation.

Agnes Bianca Mendoza, Puerto Princesa Subterranean River,



Photo: Gerard Anthony de Souza

For me the coasts and estuarine environments of the backwaters have been the only environment I have known - be it for a refreshing swim or collecting shellfish from the riverbeds for their delicious taste. I continue to find most fulfillments in such environments, even though man-made factors and my preoccupation with my job have made bivalve fishing out of question. The memories however remain dear to me.

> Gerard Anthony de Souza, Goa Coastline, India

main problems in the Rio Platano Biosphere include: plastic waste and the accumulation of debris, the changing land uses and land market, the loss of wildlife, and pollution of the lagoons. Samantha Cruz, Rio Platano, Honduras













here are many different types of rocky shores and sandy beaches, all of them with well-defined and adapted groups of inhabitants.

Apart from the substrate of the ground, also the exposure to waves, currents and tides is an important factor for the definition of the specific habitat. The span ranges from high energy coasts to sheltered lagoons. Both types of shores offer livelihood opportunities for many coastal communities, especially in areas under tidal regimes, since clams, crabs and small fish are easy to reach during low tides.

Cliffs and rocks are often home to seabird colonies. Some rocky shores have a greenish color due to algae species, which need a hard substrate for their basal holdfasts. In the sea, kelp forests consist of brownish macroalgae. They can reach impressive heights, providing a unique habitat for fish, otters, seals and other marine animals. Oysters and lobsters are also friends of solid grounds.

Sandy shores provide nesting sites for birds, turtles and seals: they are much more than dull, uniform spaces. But beaches are also important for many human activities, ranging from local fisheries to tourism. That's why a coherent planning and the management of different human activities, especially in ecologically sensitive areas such as nesting sites, is highly needed for the long-term conservation of the precious resources.

feels like home for
me when I walk on the beach
and take photos for hours while I feel
the cool ocean wind touch my skin. In the
Paracas region, I admire its spectacular shoreline
with rocks, desert features, ancient cultures, and the
rich marine life around the Ballestas islands. Watching
the sea lions, dolphins, penguins and the variety of
shore birds made me realise how important it is to
protect this rich coastal life of Peru. It made me curious
to learn more about the sea and ways to protect it
— this is one of the reasons why I decided to go
to India where at present I am working as a
volunteer in marine turtle conservation, on
the coasts of Kundapur.

Lorena Amend, Paracas, Peru



Photo: Apoorva Usha Kulkarni

is known for its scenic
beauty with its vast stretch of
sandy beaches, swaying palms and
traditional catamarans. The people here make
it even more special as they worship the ocean
and completely rely on it for their livelihoods. The
sand dunes and rocks on the beaches form strong
fringes that protect the community life. The coast
also prevents ground water from turning saline. The
coast is the only platform for the community's social
linkages; age-old rituals and traditional festivals –
like the Masi Magam – are celebrated here.

Apoorva Kulkarni, Pondicherry, India