



Global Challenges for Sustainability: Habitat Protection and Plastic Pollution

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Biodiversity in the ASEAN Region

3% Total surface area of the world

18% of all known plants and animals

37% species assessed by the IUCN in the ASEAN are endemic



The

ASEAN Region

34% of the world's coral reefs

species of hard corals

1,300 reef-associated fish species

51 of the world's mangrove species

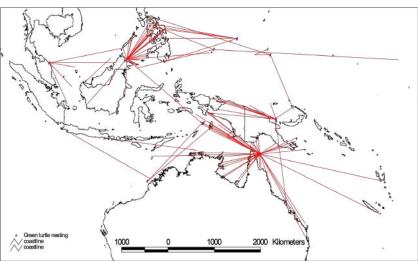
23 of the world's seagrass species

173,000 km ASEAN Coastline



Marine Turtles & Migration Routes

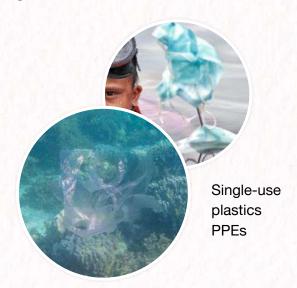


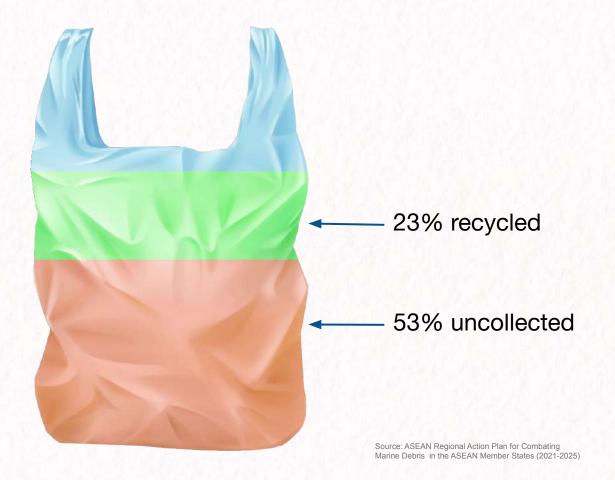




Marine Debris

31M+ tons of plastic generated in six AMS





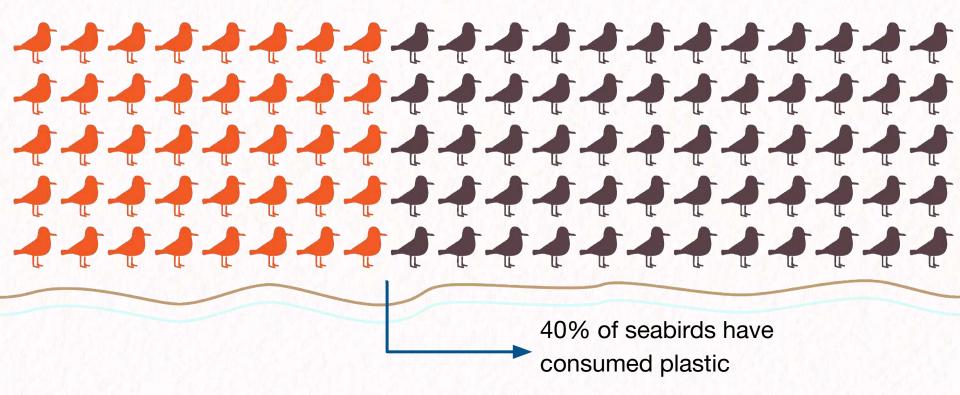
Impacts of marine pollution to biodiversity





Photos courtesy of Dr Mariel Buccat

Impacts of marine pollution to biodiversity



Source: Peter Ryan, Fitzpatrick Institute of Ornithology, University of Capetown







Climate Change and Biodiversity

INCIDENCES IMPACTS

prolonged droughts destructive fires

excessive rains

extreme storms

decline in seagrass meadows and seaweed beds

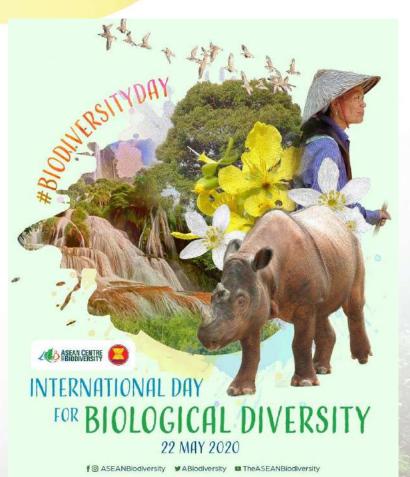
change in habitat

coral bleaching

characteristics

larger tidal variation

distribution and abundance of some species





22 MAY 2020 INTERNATIONAL DAY FOR BIOLOGICAL DIVERSITY Our solutions are in nature





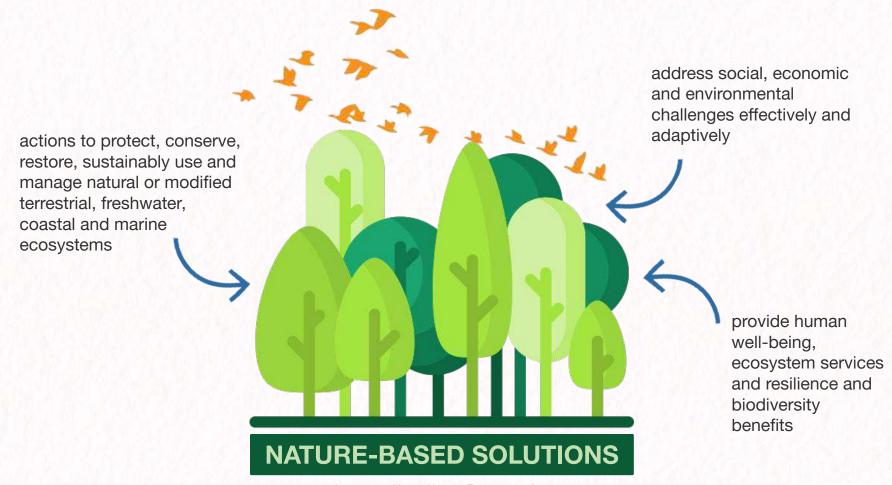


BROAD STRATEGY 5
Advancing Towards a More

Sustainable and Resilient Future

Promote nature-based solutions (NBS)bxcnvzzc to increase the region's resilience towards future pandemics

Promote efforts to mainstream biodiversity across relevant sectors, adopt behavior to address root cause of the pandemic





ASEAN State of Climate Change Report

Current status and outlook of the ASEAN region Toward the ASEAN climate vision 2050



Nature-based solutions

an adaptation action that can be integrated in priority sectors such as agriculture, biodiversity, and health, among others.



ASEAN State of Climate Change Report

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Nature-based solutions

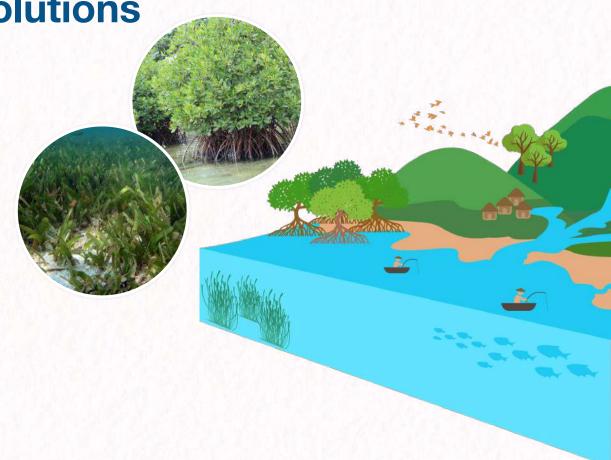
urban forests forests and wetlands sustainable grassland management sustainable agriculture changes in food habits toward environmentally friendly diets ecological restoration

Nature-based solutions

USD 170M (estimate)

Annual global benefits in ecosystem services from NBS focused on climate

37% climate mitigation
NBS can contribute
to meeting the Paris
climate goal



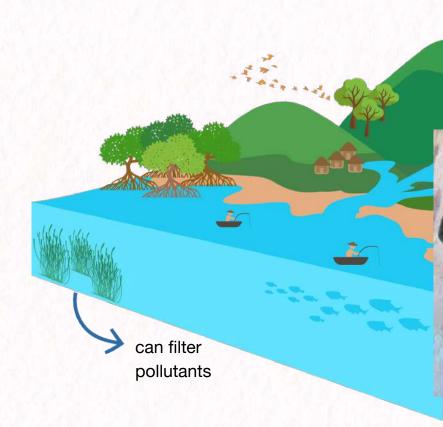
Nature-based solutions



Mangrove forest acting as natural filter for trash



naturally remove pollutants in the water



ASEAN Regional Action Plan for Combating Marine Debris in the ASEAN Member States (2021-2025)

SUMMARY







Seaweed as alternative material for plastic (Indonesia) Cassava straws

Bioplastics



Plastic bans

Indonesia 2016-2020 Thailand 2020



Philippines' Extended Producer Responsibility Act of 2022, Republic Act (RA) No. 11898



Addressing marine pollution



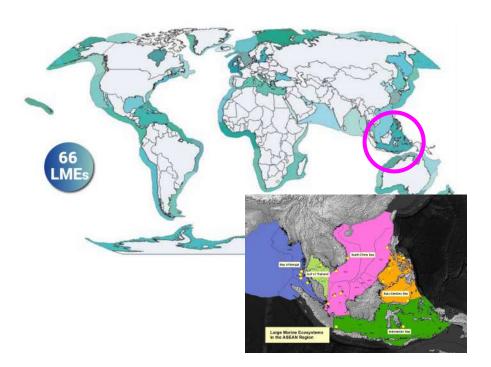






Networking for regional cooperation

Protecting transboundary ecosystems





Bay of Bengal LMEs



• Indonesian Seas



Gulf of Thailand



Sulu Sulawesi Sea





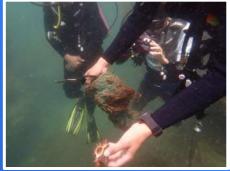




Spatial
Monitoring and
Reporting Tool
(SMART)
Training for
Thailand's
Marine AHPs

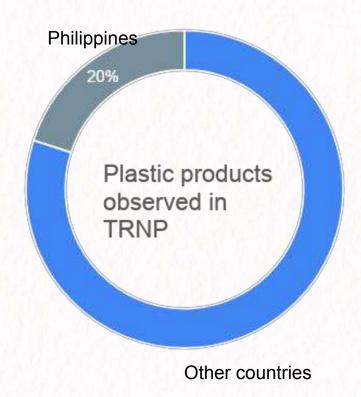






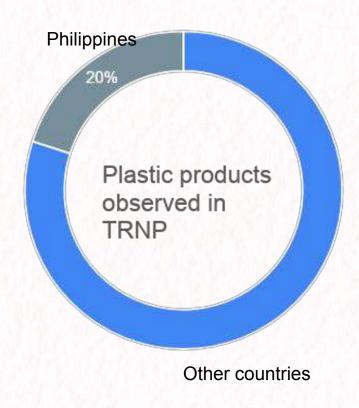


Tubbataha Reefs Natural Park



Collection of marine debris by park rangers of Tubbataha

Tubbataha Reefs Natural Park





Underwater visual survey of sharks

Photo by David Choy

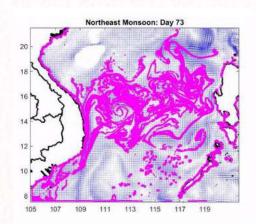
Connectivity Study

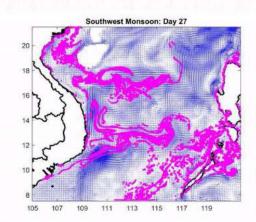


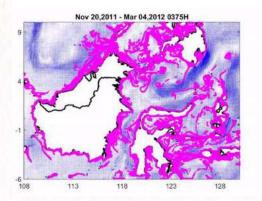


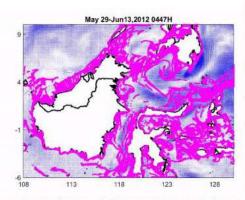
Interconnectivity of the coastal and marine ecosystems in the ASEAN

AMS can agree on cooperation that can mutually benefit their respective marine resources, and the region as a whole.











At least 10 million native trees across 10 ASEAN Member States in a span of 10 years

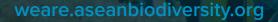
Contribute to the efforts relating to the UN Decade on Ecosystem Restoration through the planting of 10 million trees in 10 years

Including native species found in mangrove and beach forests

Raise awareness about biodiversity and its ecosystem services and values

#WeAreASEANBiodiversity

OUR HOME • OUR LIVES • OUR STORIES





For more information, log on to www.aseanbiodiversity.org

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