



Open Statement to the Delegates of COP16 by the Blue Climate Coalition





Our oceans are critically important to climate change and the global carbon cycle. Certain coastal and marine ecosystems such as **mangrove forests**, **saltwater marshlands**, **seagrass meadows**, and **kelp forests** absorb and store atmospheric carbon dioxide and thereby naturally help mitigate the threat of climate change^{1, 2}. These "blue carbon" ecosystems are extremely effective at storing carbon – mangroves and coastal wetlands store 50 times more carbon than tropical forests by area.

In the open ocean, recent promising research also indicates that marine vertebrates, such as whales, sharks and finfish, may also be very effective carbon sinks ³.

Sadly, the global loss of coastal and marine ecosystems is occurring at an alarming rate – currently, on average, between 2-7% of our blue carbon sinks are lost annually. In one of the world's coastal ecosystem hot spots, the Coral Triangle, more than 40% of mangroves have been lost in the last 40 years and the trend is continuing.

The continued degradation of these ecosystems decreases the ocean's existing carbon stock and its capacity to mitigate climate change. It also threatens potential large-scale release of carbon to the atmosphere, through the direct loss of these habitats. Potential reduced oceanic carbon function and the release of carbon currently stored by blue carbon sinks is not included in climate projections.

Healthy coastal ecosystems are vital for the food security of many coastal and island communities in developing countries. In the Coral Triangle and Pacific alone, these ecosystems are critical to the livelihoods of over 100 million people. Loss of these systems not only threatens critical fish habitat and fishing grounds for artisanal fisheries, but it also reduces natural coastal defenses against storms and erosion.

Additionally, blue carbon ecosystems are critically important to marine biodiversity, the cultural identity of many coastal and island cultures, and provide numerous other valuable ecosystem services.

The large scale restoration of these ecosystems is possible – many community-based projects around the world are focused on restoring and conserving these important habitats. These positive efforts, which promote good governance and responsible stewardship, should be encouraged and supported.

RECOMMENDATIONS – We respectfully ask Parties to the Conference to consider the following actions:

- Include the conservation and restoration of mangrove, saltwater marsh, seagrass, and kelp ecosystems in your strategies for climate change mitigation and adaptation;
- Establish a global Blue Carbon Fund for the protection and management of these important coastal ecosystems;
- Include blue carbon sinks in national REDD+ strategies and greenhouse gas accounting; and
- Support coordinated scientific research to better quantify blue carbon's role in climate mitigation, including the development of protocols and methodologies for monitoring, reporting, and verification of coastal and marine carbon sinks.





Blue Carbon Solutions are <u>Natural</u> Climate Solutions

Signed by the following fifty-five marine and environmental stakeholders from nineteen countries (representing the Blue Climate Coalition):

- Aruba -

Rainbow Warriors Core Caribbean Foundation (Rainbow Warriors International) Milton Ponson, President, Oranjestad, Aruba, Dutch Caribbean

- Australia -

Australian Marine Conservation Society
TierraMar Consulting Pty Limited

Darren Kindleysides, Director, Brisbane, Australia Anissa Lawrence, Director, Sutherland, NSW, Australia

WetlandCare Australia Ltd

Anissa Lawrence, Director, Ballina, NSW, Australia

- Belize -

APAMO: Association of Protected Areas Management Organizations Healthy Reefs for Healthy People Peninsula Citizens for Sustainable Development Yvette Alonzo, Executive Director, Belize City, Belize

Melanie McField, PhD, Director, Belize City, Belize Mary Toy, Co-Chair, Placencia, Belize

- Canada -

Living Oceans Society

Jennifer Lash, Executive Director, Sointula, Canada

- Greece -

MEDASSET 'The Mediterranean Association to Save the Sea Turtles' Konstantinos Grimanis, Director Athens, Greece

- Guatemala -

Mesoamerican Reef Fund

María José González, Executive Director Guatemala City, Guatemala

- Haiti -

Fondation pour la Protection de la Biodiversité Marine (FoProBiM)

Jean W. Wiener, Director, Port-au-Prince, Haiti

- Italy -

Tethys Research Institute

Giuseppe Notarbartolo di Sciara, PhD, Milano, Italy

- Mauritania -

PEECO: Protection of the Environment and the EcoSystem Salimata Cheikh, President, Nouakchott, Mauritania

- Mauritius -

MAUDESCO: Mauritius Council for Development Environmental Studies and Conservation Rajen Awotar, Executive Director, Port Louis, Republic of Mauritius

- México -

Centro Ecológico Akumal

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Alejandro Robles, Director, La Paz, México

NOS Noroeste Sustentable

SuMar

Maria Carvajal, Cofounder, Guaymas, México

- New Zealand -

ECO: Environment and Conservation Organisations of New Zealand Inc

Cath Wallace, Co-chair, Wellington, New Zealand

- Samoa -

SUNGO: Samoa Umbrella for Non Governmental Organisations High Chief Vaasiliifili Moelagi Jackson, SUNGO National President, Apia, Independent State of

Samoo

- Seychelles -

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- Sénégal -

WAAME: West African Association for Marine Environment Abdulaye DIAME, Executive Director, Dakar,

Republic of Sénégal

- Tonga -

Tonga Community Development Trust Mr. Sione Faka'osi, Executive Director, Nuku'alofa,

Kingdom of Tonga

TNYC: Tonga National Youth Congress Miss Siaila Jagroop, Nuku'alofa, Kingdom of Tonga

- Uganda -

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- United Kingdom -

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- United States of America -

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SandyHook Sealife Foundation Mary M. Hamilton, Executive Director, Highlands,

NJ, USA







Save Our Seas Capt. Paul Clark, President, Hanalei, HI, USA

Save the Manatee Club Patrick M. Rose, Executive Director, Maitland, FL,

JSA

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Jarrod Russell, San Diego, CA, USA

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WILDCOAST/COSTASALVAJE Serge Dedina, PhD, Executive Director Imperial

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(also Ensenada, México)

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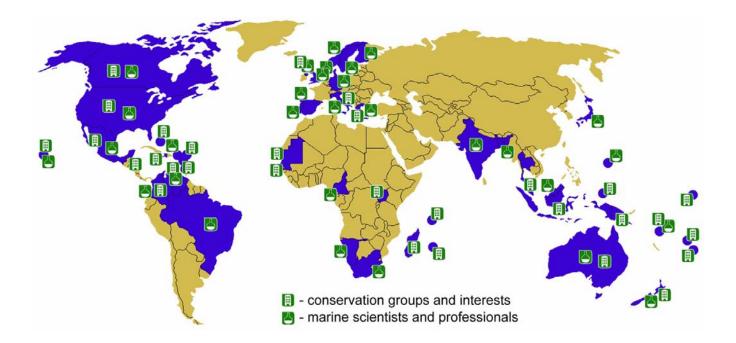
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The **Blue Climate Coalition** was formed in November 2009 to help advance coastal and marine conservation as part of the solution to climate change. Over 100 conservation groups and environmental stakeholders, and over 150 scientists together from 43 countries, have joined the Coalition's call to support blue carbon solutions for climate change.



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