

Rewilding and Saving Our Planet Earth, Global Ocean, Ecosystem and Climate Change Restoration Initiatives June 2021 -Dr Jack Dyer

Dr Jack Dyer, Founder of Blue Economy Future SA, Linked In, Blue Economy Future SA, Jack.Dyer@utas.edu.au; jadyer2020@gmail.com; jad@blueeconomyfuture.org.za;



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Blue Economy Future

Blue Economy Future operates a specialised consultancy service. Our approach is to empower human potential through active inclusive stakeholder engagement; results driven research that strives to be practical with meaningful, engaged outcomes. We focus on practical awareness, identifying climate change, blue, green and circular economy opportunities and finance, training and entrepreneurship approach through all stages of a project; including monitoring and evaluation whilst being accessible; focusing on empathy. Blue Economy Future extends beyond just offering traditional consulting and project management services to facilitating entrepreneurship and courses, devising curriculums and manuals; policy advice, implementation, increased fund-raising, facilitation and awareness of news, events, initiatives and opportunities. It has established a significant global network and series of partnerships. Our sustainable, climate change, environment, green and blue economy experience extends to the legal, laws, policies, socioeconomic, events and latest technological/knowledge updates with work experience in a variety of ocean/blue economy areas. These include ocean governance, illegal and unregulated fishing, undersea exploration, marine protected areas; marine renewable energy; ocean governance and sovereignty/maritime law, ocean pollution reduction and the circular economy, small harbours, marine renewable energy, to cruise and marine tourism to biotechnology entrepreneurship, education, business, drones, ship repair, digitisation, actual blue economy strategies, space economy, maritime law, ocean governance, logistics, blue economy finance and psychology. Recent project examples include Durban's Blue Oceans Economic Strategic Framework, advising on current global and South African ship repair markets and a socioeconomic valuation of the sector, risks and opportunities of the Benguela Current Region for the Benguela Current Convention (Namibia, Angola and South Africa). Others include monitoring and evaluating the Durban Oceans Champs/Durban-Bremen Marine Environment Education Network and advising on the implications of the 4th Industrial Revolution for maritime education and training.

The approach that Blue Economy Future follows is based on sustainability, inclusivity, optimizing potential and integration. Sustainable development refers to the economic development that is both inclusive and environmentally sound, and to be undertaken in a manner that does not deplete the natural resources that societies depend on in the long term. The need to balance the economic, social, and environmental dimensions of sustainable development in relation to oceans, land, ecosystems is a key component of the transition towards a climateproofed future and climate resilient sustainable land, ocean and marine livelihoods, communities and ecosystems and circular economy, zero-waste future. It is an approach that aims to ensure long term optimal survival, maximizing the technological innovations of the Fourth Industrial Revolution, harnessing individual and collective human ingenuity, sustainable finance and creativity for greater local and global prosperity.



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Jack.Dyer@utas.edu.au. Or his website www.blueeconomyfuture.org.za or Linked In, Jack Dyer, Blue Economy Future SA

1: Introduction

Our planet faces unprecedented threats to our existence. Climate change, marine pollution, human overpopulation and resource pressures; illegal, unauthorised, underreported and unregulated fisheries and others continue to plague us with unprecedented impact costs. Whilst many people absolve themselves of responsibility or undertaking only modest token efforts to commit towards saving their planet; my existing project work as founder of Blue Economy Future has been to identify, synthesise and help support many of those who are actively committed to taking action in many areas towards a sustainable, eco-conscious and climate resilient, blue, green and circular economy future. This especially extends to those seeking to futureproof against various forms of disruption. It is insufficient merely to rely on others, hoping that they will enact change, when we, ourselves can serve to mobilise and support these catalysts of change. This specific summary provides a fairly brief guide towards identifying many of those stakeholders who have been involved in rewilding our oceans and coastal solutions; restoring our ecosystems or supporting the implementation of related practical research and financing/structuring blue bonds. Their example not only can serve to inspire more entrepreneurs, researchers, innovators, financiers, conservers, communities and individuals to profit; but identify the gaps and where capital can be utilised more effectively to secure the profits it can urgently need in support.

The purpose of this brief introduction is severalfold. The first is to charter the landscape, so stakeholders can work out who is coming up with pioneering solutions; who is expressing an interest in financing/supporting blue bonds and related initiatives and where are the sources of research/information to find out more including the independent carbon offset standards verification processes. It also charters certain NGO's, community, national and other coastal/marine protected areas and also examples of government projects. This aims to help stakeholders identify promising projects as a core barrier towards implementation to work towards averting the financial/implementation/information uncertainty and other barriers towards achieving the reversing of climate change, preventing biodiversity collapse and ecosystem extinction, the rewilding of the planet and striving to ensure that 30% of our oceans are at a minimum protected by 2030. I, Dr Jack Dyer and Blue Economy Future, have previous experience and conducted research globally of many blue economy/extreme climate change solutions, entrepreneurs, blue carbon and marine protected areas and remain actively willing as a consultant to help support any stakeholder; listed here or not to achieve that support.

2: A Brief Identification of Initiatives and Related Stakeholders

The following initiatives include those who have devised related solutions towards restoring ecosystems, including blue carbon, kelp forests, mangrove restoration, artificial reefs, coral replanting robots, seaweed; verification standards and trading platform solutions along with other innovations. Alternatively, they have expressed practical interest and involvement in various solutions. With sufficient support, these solutions could be potentially used as baseline for rewilding the planet, working towards climate change mitigation/carbon offset, adaptation and resilience. As co-convenor of the World Ocean Council Network on Ocean, Climate and Ecosystem Restoration and creator of a specific network, these stakeholders have been generally identified as keenly motivated to become proactively part of the solution, although the list is continuously revised to be expanded. More information can be found by their LinkedIn/social media profiles including Facebook, Twitter and websites

The organisations and entities vary in their approach. Foundation for Climate Restoration serves as a unifying education, advocacy and education support movement as does the Google Carbon Removal

Group, whereas CEA Consulting create an active website <https://www.oceancdr.net> -dedicated to try and help stakeholders become more proactive in the area. Verra, Mar Vivo and Fair Carbon Project especially aim to provide examples of certifiable blue carbon projects that can be financed and supported, including mangrove conservation although at a pilot stage. Specific ocean and climate change solutions vary from the more ultra-extreme approaches of artificial ocean upwelling of cold nutrient-rich water to accelerate phytoplankton growth and iron chelates to induce artificial snow via the GEA275 project. Oceaneos favour Ocean Seeding, Fertilisation and Nutrient Enrichment Technology. Ocean Nourishment, Planetary Hydrogen, Ocean Restoration Initiative, Inc, Herculean Climate Solutions, CO₂ Out of the Blue Entrepreneur and Ocean Restoration International Corporation aim to employ a range of other pioneering, possibly controversial solutions. Sustainable Now are focusing on algae based biotechnology processes to sequester CO₂. There are also more conventional and natural ways to upscale solutions based on the pioneering work/projects of academics, entrepreneurs, businesses and nongovernment organisations. With sufficient support, they offer solutions to existing and future coastal, marine or high seas protected areas; when combined with other solutions such as human and technology monitoring, sustainable finance and policy support.

Seagrass Restoration Project, Nature Conservancy and Virginia Institute of Marine Sciences and others are undertaking the Seagrass Restoration Project. An equivalent counterpart in the UK is Project Seagrass, partnering with Sky Ocean Rescue, WWF, Cardiff University, Swansea University and Pembrokeshire Coastal Forum; to create pilot initiatives, that can be extended to rewild seagrass meadows across England, Scotland and Wales. Dalula Marine SL and Ocean Conservation Trust are also focusing on it. Others are looking at various coral reef replanting and restoration solutions including transplanting, growing, artificial reef and cube construction along with robots. Many of these are based around the US/Caribbean or Asia but not in South America, Africa or the South Pacific. Examples include Coral Gardeners (Coral Reef Restoration), Coral Guardian, Coral Lok, Coral Reef Ark, Coral Maker (Coral Replanting Robot Solutions), Coral Restoration Foundation, Coral Vita, ARC Marine's Eco-Cubes and Global Coralition. Additional coral reef solutions include Equilibrio Marino, Intelli-Reefs (Coral Reef Life Repair, Restoration and Support), Ocean Habitats (Artificial Reefs), Sustainable Surf's US based Sea Trees and Reef Ecologic. Coral reef innovative concepts are also originating from Ocean Rescue Alliance Plant a Million Corals, Pro-Co Reef (Ecotourism and Coral Reef Restoration), Reef Builders, Reef Cells, Reef Design Lab (3D Printed Coral Reef Based Structures), Reefy (Restoring Coral Reefs), ReShore Living Breakwaters, Shorelock LLC (Coastal Erosion) and Smart Reef. Inspiring solutions extend to Reef Ball Australia, 1000 Mermaids Artificial Reef Project, Wise Ocean, Reef Worlds (integrating tourism developments), Reef Ball Foundation and Elemental Solutions in the Caribbean

Climate Works Foundation focuses on direct air capture, carbon sequestration and removal, historically by land but also investigating pilot ocean carbon removal solutions. Project Vesta focuses on using enhanced weathering of geological processes. Silvestrum Climate Associates also advises in this area. More traditional blue carbon sequestration and ecosystem/biodiversity habitat forming answers include replanting seaweed forests and kelp beds (Carbon Kapture, Seaweed Solutions and Sea Forester, Kelp Forest Foundation, Green Ocean Farming, Ocean Orchards Ocean Forester). These can be jointly linked to commercial aquaculture, blue biotechnology, biofuel and renewable energy to yield even greater benefit. Conservation International, Blue Ventures, Carbon Ethics and the Nature Conservancy are at the forefront of NGO's/organisations seeking to convert community conservation for mangroves and other protected areas into credit and income that can sustain livelihoods, deter threats and ensure ecological/greenhouse gas emission reduction offsets. In contrast, Seastainable Ventures with Ocean Ecostructures echoes other entities seeking to provide venture capital, technical assistance and support for generating solutions via the effective deployment of capital as does Javelin Capital in supporting the Oceans 2050 rewilding concept.

1. World Ocean Council Ocean, CDR Removal, Climate and Ecosystem Restoration Roundtable
2. Foundation for Climate Restoration (Online Education, Advocacy and Support Network).
3. Ocean-based Climate Solutions, Inc, Santa Fe, New Mexico, USA (Artificial Ocean Upwelling Solutions)
4. Seaweed Solutions and SeaForester, Lisboa, Portugal
5. OceanForesters, Inc; Ventura, CA
6. Carbon Ethics, Indonesia,
7. Kelp Forest Foundation, UK
8. -Seastainable Ventures
9. - Ocean Nourishment
10. Ocean Zero
11. - Planetary Hydrogen
12. Green Ocean Farming
13. Ocean Forester (Ocean Macroalgal Afforestation)
14. Project Vesta - coastal enhanced weathering of olivine
15. Ocean Ecostructures,
16. CEA Consulting - help manage <https://www.oceancdr.net> - leading online forum/info exchange for all ocean CDR stakeholders
17. Climate Foundation
18. Oceans 2050, Javelin Capital,
19. Simply Blue Aquaculture and Energy,
20. XPrize Carbon Removal,
21. ARPA-E , US Department of Energy
22. Silvestrum Climate Associates,
23. Carbon Kapture,
24. Natural Climate Solution, Verra

25. Climate Works Foundation
26. Oceankind
27. Fearless Fund
28. Ocean Visions
29. Sea Going Green
30. Reef Ball Foundation
31. Ocean Restoration Initiative, Inc.
32. Ocean Restoration, International Corporation
33. ARC Marine
34. Reef Ball Australia,
35. 1000 Mermaids Artificial Reef Project
36. Wise Ocean
37. Reef Worlds
38. Elemental Solutions, Reef Ball Foundation,
39. Sub Con
40. Carbon Dioxide Removal Google group
41. Ocean Visions, Data for Progress
42. Running Tide
43. Kelp Blue
44. Blue Carbon Initiative –
45. Conservation International,
46. International Union for Conservation of Nature,
47. Blue Ventures
48. Association for Coastal Ecosystem Services (ACES)
49. Ocean Solutions Inc,

50. Plan Vivo Foundation
51. Nori Platform
52. The Nature Conservancy
53. Project Seagrass UK
54. Seagrass Restoration Project, Nature Conservancy and Virginia Institute of Marine Sciences (VIMS)
55. Seagrass Restoration Project
56. Coral Gardeners (Coral Reef Restoration)
57. Coral Guardian
58. Coral Lok
59. Coral Reef Arks
60. Coral Maker (Coral Replanting Robot Solutions)
61. Coral Restoration Foundation
62. Coral Vita
63. Dalula Marine SL (Seagrass Restoration)
64. Eco Cubes (Eco-friendly Artificial Reef Blocks By ARC Marine)
65. Equilbrio Marino
66. GEA@275 Oceanic Carbon Capture (Possible Marine Snow Solution to Climate Change)
67. Global Coralition (Integrated Coral Reef and Eco-Sustainable/Blue Carbon Solutions)
68. Intelli-Reefs (Coral Reef Life Repair, Restoration and Support)
69. Oceaneos (Ocean Seeding, Fertilisation and Nutrient Enrichment Technology)
70. Ocean Habitats (Artificial Reefs)
71. Ocean Conservation Trust (Seagrass Restoration)
72. Fair Carbon Project
73. Sea Trees
74. Herculean Climate Solutions/Ocean Orchards

75. CO₂ Out of the Blue Entrepreneur
76. Reef Ecologic
77. Ocean Rescue Alliance (Ecosystem Restoration)
78. Plant a Million Corals
79. Pro-Co Reef (Ecotourism and Coral Reef Restoration).
80. Reef Builders
81. Reef Cells
82. Reef Design Lab (3D Printed Coral Reef Based Structures)
83. Reefy (Restoring Coral Reefs)
84. ReShore Living Breakwaters
85. Shorelock LLC (Coastal Erosion)
86. Smart Reef
87. Sustainable Oceans International
88. Sustainable Now (Algae Based Biotechnology That Captures CO₂)
89. Seychelles' Conservation and Climate Adaptation Trust
90. Pollination Group (Investigating Australia's blue carbon bond).
91. Industrial Bank Co (Asia blue bond)
92. Asian Development Bank, Ocean Finance Initiative
93. Credit Agricole CIB (Asia Blue bond)
94. Allcot AG -Mexico Mangroves (Verra website)
95. We Act Pty Ltd, Columbia Mangroves (Verra site)
96. Worldview International Foundation, Myanmar Mangroves,
97. Indus Delta Capital, Sindh Province Pakistan,
98. Livelihoods Fund, Aceh and North Sumatra Province, Indonesia
99. Mar-Vivo (Carbon offset credits)

100. Running Tide (Diversifying into blue carbon projects/carbon offsets)
101. Rig 2 Reef/Blue Latitude (Creating Artificial Reef/Blue Carbon projects out of decommissioned oil rigs)
102. Lower Carbon Capital (Financing CDR/Blue Carbon Solutions)
103. Reef Doctor (Madagascar blue carbon projects)
104. The Nature Conservancy, Blue Bonds Naturevest.

Promisingly however, more support is being generated to support blue carbon finance and the first flickering sustainably financed bonds in the area. This guide notes however, that whilst many may speak of a general favourable interest, comparatively few have yet to truly develop the area. The Seychelles' Conservation and Climate Adaptation Trust and government were the first global stakeholders to truly benefit from practical experience in this area. Reef Doctor/Blue Ventures in Madagascar, the Association for Coastal Ecosystem Services (ACES), Oceanskind and the Nature Conservancy are also investigating forming blue bonds linked to their conservation program (Blue Bonds Naturevest). Local NGO's and entities including mangrove projects in Mexico (Allcot AG), We Act Pty Ltd (Columbia), Worldview International Foundation (Myanmar), Mangroves Indus Delta Capital, (Sindh Province Pakistan) and the Livelihoods Fund, (Aceh and North Sumatra Province, Indonesia) already have investment ready projects. Running Tide and Kelp Blue, similarly seeking funding support for their initiatives such as including carbon removal, coastal restoration and commercial aquaculture/kelp projects to generate ecologically sustainable and commercial rates of return on investment. Both the World Bank's PROBLUE and the Asian Development Bank's Ocean Finance Initiative and the US ARPA-E Department of Energy is seeking to upscale related credit and investment research in this area. Industrial Bank Co and Credit Agricole CIB are actively employed in forming Asia's first blue carbon based bond, whereas Pollination Group are similarly interested in the potential offered by Australia. XPrize was set up to inspire extreme carbon removal solutions along with work by the noted entrepreneur Elon Musk of Tesla/Space X fame. Entities such as the Fearless Fund and Lower Carbon Capital have expressed interest in locating sustainable related investments. The Blue Carbon Initiative aims to provide more information and unite researchers and others to promote greater awareness.

3: Other Projects and Initiatives To Convert into Blue Carbon Credits (Currently Research Stage or Accepting Donations)

The following organisations, governments, other stakeholders, marine and coastal protected areas and projects have not yet been considered formally to be converted into blue carbon bond investment opportunities as a source of sustainable finance. Many would benefit from related guidance and support from the mobilisation of capital, are being implemented or rely heavily on donations, uncertain government grants or tourism user fees. Given the lingering duration of COVID19 and safeguard their future, they are highly recommended by this consultant/researcher as worth prioritising in the quest to rewild our planet. Their efforts should be immediately upscaled, with existing reserves expanded and new preserved to gain multiple social/economic and ecological benefits.

Although an incomplete list, it provides an indication of the scope of the challenges to attain the rewilding of our oceans and areas into as many areas as possible, especially to obtain the protection of 30% of our lands, oceans and coastal areas by 2030. Very few of these projects are actually investment ready and would need significant effort but they are open to more conventional forms of philanthropy. As a

consultant and someone deeply concerned and motivated to accelerate this process, I remain open to being involved in the conversion away from merely relying on uncertain tourism income and centralised government grants; to harnessing other forms of finance; embracing new ecological and other solutions as in section 2 above. Many of the entries below range from various tiers of government ownership/management, scientific/research; or are linked to communities, NGO's, individuals/private sector and/or a hybrid model of operation. Although a full extensive analysis is being considered as a future research priority, scope exists in virtually all countries and regions. These marine reserves listed below, remain only a fraction of the total. Very few are even aware of the growing source and opportunities they can offer to form sustainable finance, extending and acceleration efforts through innovative solutions or aware of additional information, resources and support that can be mobilised. As policymakers and others proclaim more and more areas; more impartial practical assessments will need to take place to ensure these systems of establishing MPA's are actually supported.

1. Abalone Caye/Bacalar Chico Marine Park and National Reserve Belize,
2. Acklins' Blight, Andros North/ South Marine Park, Booby Cay, Cay Sal, Cross Harbour, East Abaco Creeks, East Grand Bahamas, Green Cay, Greens' Bay National Park (Bahamas)
3. Action for Research and Development Cambodia (Community Capacity Strengthening for Mangrove Conservation and Waste Management in Prey Nup District, Preh Sihanouk Province)
4. Afaga Tele, Samoa
5. Agh-Ghol and Ghizil-Agaj Wetlands (Azerbaijan)
6. Aldabra Atoll World Heritage Site, Aldabra Atoll Ramsar Wetland Site and Port Launay Coastal Wetlands Ramsar Wetland Site (Seychelles).
7. Alega, Alofau, Amanave, Amaua Village Marine Protected Area, American Samoa,
8. Aleipata Islands Marine Protected Area, Samoa
9. Allcot AG
10. Atol des Rocas Biological Reserve, Abrolhos Marine National Park Brazil
11. Angouru Community Development Association Trust, Solomon Islands (Mangroves)
12. Argentina (Namuncurá-Burdwood Bank II Marine National Park, Yaganes Marine National Park)
13. Argyll Coast and Islands Hope Spot
14. Arnavon Community Marine Conservation Area
15. Atafu Marine Conservation Area, Tokelau
16. Azerbaijan Gizilaghaj State Reserve MPA.
17. Bahamas National Trust -Long Island Marine Management Area, Joulter Cays, Pigeon Creek, Snow Bay, South Abaco Blue Holes National Park, South Bahamas Marine Managed Area
18. Bahrain, Hawar Islands, Tubli Bay, Mashtan Island, Duwhat Arad, and Fasht Bulthama
19. Baie de Port Bouquet, New Caledonia
20. Bangladesh -Nijhum Dwip Marine Protected Area
21. Bangladesh Environment and Development Society
22. Baniara Island, Papua New Guinea
23. Barasipo, Baraulu/Bule Lavata, Barivuto Solomon Islands
24. Barbados Marine Reserve, Folkestone Marine Protected Area, Carlyle Bay
25. Bardaka Wetland, Bosnia and Hercegovina,
26. Bazaruto Archipelago, the Quirimbas's, the Primeiras and Secundas archipelagos, Baixo Pinda Forest Reserve; Ilhas da Inhaca e dos Portuguese Faunal Reserve (Mozambique)
27. Blue Bay Marine Park, Pointe d'Esny Wetland and Rivulet Terre Rouge Estuary Bird Sanctuary Ramsar Sites Mauritius
28. Beach Management Unit of Shella/Manda -Lamu, Kenya Marine Management Area.
29. Belize Hol Chan Marine Reserve
30. Belgium Vlaamse Banken SBZ1-3; Vlakte Van Der Raan,
31. Bird's Head Seascape Indonesia

32. Blue Corner Marine Research, Indonesia
33. Blue Marine Foundation, Blue Carbon Unit
34. Blue Prosperity Coalition
35. Botswana -Okavango Delta.
36. Brazil Lagoa do Peixe,
37. Bulgaria Kaliakra nature reserve and Koketrays sandbank
38. Cades Bay, Antigua and Barbuda (Government)
39. Cambodia, Boeng Chhmar Core Area (Ramsar Site), Koh Kapi, Stung Treng, Prek Toal Core Area (Ramsar Site), Stung Sen Core Area (Ramsar Site),
40. Cameroun Waza Logone Floodplain, Barombi Mbo Crater Lake, Partie camerounaise du fleuve Sangha, Estuaire du Rio Del Rey, Lac Tchad, Partie Camerounaise du Fleuve Ntem, Zone Humide d'Ebogo
41. Canada, Gully Marine Protected Area, Endeavour Hydrothermal Vents Marine Protected Area, Eastport – Duck Island Marine Protected Area, Musquash Estuary Marine Protected Area, SGaan Kinghlas – Bowie Seamount Marine Protected Area, Banc-des-Américains Marine Protected Area, Laurentian Channel Marine Protected Area, St Anns Bank Marine Protected Area, Tarium Niryutait Marine Protected Area, Anguniaqvia Niqiqyuam Marine Protected Area, Eastport – Round Island Marine Protected Area, Hecate Strait and Queen Charlotte Sound Glass Sponge Reefs Marine Protected Areas, Gilbert Bay Marine Protected Area, Basin Head Marine Protected Area.
42. Canada RAMSAR Wetlands, Cap Tourmente, Mary's Point, Long Point, Delta Marsh, Last Mountain Lake, Whooping Crane Summer Range, Peace-Athabasca Delta, Hay-Zama Lakes, Fraser River Delta, Old Crow Flats, Polar Bear Pass, Queen Maud Gulf, Rasmussen Lowlands, McConnell River, Dewey Soper Migratory Bird Sanctuary, St. Clair, Chignecto, Polar Bear Provincial Park, Lac Saint-François, Baie de l'Isle-Verte, Shepody Bay, Grand Codroy Estuary, Quill Lakes, Oak Hammock Marsh, Southern James Bay (Moose River & Hannah Bay), Point Pelee, Musquodoboit Harbour, Beaverhill Lake, Southern Bight-Minas Basin, Malpeque Bay, Creston Valley, Mer Bleue Conservation Area, Tabusintac Lagoon and River Estuary, Lac Saint Pierre, Matchedash Bay, Columbia Wetlands, Minesing Swamp
43. Care International (Organisation)
44. Cebu Island, Philippines
45. China Mangrove Ecological Restoration Project
46. Chumbe Island Coral Park (CHICOP) Sanctuary and Closed Forest Reserve, Dar es Salaam Marine Reserve, No.10 Forest Reserve, No.18 Forest Reserve, No.19 Forest Reserve, Jozani-Chwaka Bay National Park, Kiweni Locally Managed Marine Area, Mafia Island Marine Park, Mangrove No.20 Forest Reserve, Mangroves-Bagamoyo Forest Reserve, Mangroves-Kilwa Forest Reserve (Tanzania).
47. Codrington Lagoon, Antigua and Barbuda (Government)
48. Community of Arran Seabed Trust
49. Costa Rica Cocos Island National Park, Montes Submarinos, Cabo Blanco, Bahia Santa Elena, Barra del Colorado
50. Costa Rica RAMSAR Wetlands, Humedal Laguna Madrigal, De San Vito, Estero Puntarenas y Manglares Asociados, Terraba-Sierpe, Nacional Cariari, Lacustrino Laguna del Paraguas, Humedal lacustrino Rio Canas, Marino Playa Blanca, Palustrino Corral de piedra, Lacustrino Bonilla Bonillita, Riberino Zapandi
51. Croatia RAMSAR Wetlands: Crna Mlaka Fishponds, Nature Park Kopacki rit, Lonjsko Polje Nature Park, Neretva River Delta, Vransko Lake
52. Cuba RAMSAR Wetlands Ciénaga de Zapata, Buenavista, Ciénaga de Lanier y Sur de la Isla de la Juventud, Gran Humedal del Norte de Ciego de Ávila, Humedal Delta del Cauto, Humedal Río Máximo-Cagüey

53. Delta du Saloum UNESCO-MAB Biosphere Reserve, Delta du Saloum Ramsar Site, Wetland, Gueumbeul Ramsar Wetland Site and Reserve ornithologique de Kalissaye (Senegal).
54. Dominican NGO Center for the Conservation and Eco-Development of the Bay of Samaná and its Surroundings (CEBSE).
55. Dominican Republic, Arrecifes del Sureste, Arrecifes del Suroeste
56. Dugong Bay-Marsa Waiai Ramsar Wetland Site and Suakin-Gulf of Agig Ramsar Site, Sudan
57. Ducks Unlimited
58. Dugong and Seagrass Conservation Project
59. Dutch Caribbean Nature Alliance
60. Earth-mind
61. Ecuador RAMSAR Wetlands: Zona Marina Parque Nacional Machalilla, Manglares Churute, Reserva Biológica Limoncocha, Refugio de Vida Silvestre Isla Santa Clara, Parque Nacional Cajas, La Tembladera; Complejo de Humedales Cuyabeno Lagartococha Yasuní; Complejo LLanganti; Abras de Mantequilla; Isla Santay; La Segua; Laguna de Cube; Humedales del Sur de Isabela; Reserva Ecológica de Manglares Cayapas-Mataje; Complejo de Humedales Ñucanchi Turupamba; Manglares del Estuario Interior del Golfo de Guayaquil; Sistema Lacustre Yacuri; Reserva Ecológica El Ángel; Sistema Lacustre Lagunas del Compadre
62. Eden Reforestation Projects
63. Egypt: El Salum Marine Protected Area,
64. Egypt RAMSAR Wetlands Lake Qarun Protected Area, Wadi El Rayan Protected Area, Lake Bardawil, Lake Burullus
65. Essex Wildlife Trust -Salt Marshes
66. Finland RAMSAR Wetlands: Aspskär Islands; Söderskär and Långören Archipelago; Quark Archipelago; Krunnit Islands, Porvoonjoki Estuary – Stensböle, Vanhankaupunginlahti, Laajalahti, Patvinsuo National Park, Martimoaapa - Lumiaapa - Penikat Mires, Koitelainen Mires, Bird-lakes of Rääkkylä and Kitee, Bird-Lakes of Rantasalmi, Bird Wetlands of Haapavesi, Bird Wetlands of Hailuoto Island, Bird Wetlands of Hanko and Tammisaari, Bird Wetlands of Lapväärtti, Bird Wetlands of Siikajoki, Bird Wetlands of Vanajavesi Area, Kainuunkylä Islands, Kauhaneva - Pohjankangas National Park, Kirkon-Vilkkiläntura Bay, Lake Kirkkojärvi and Lupinlahti Bay, Lake Kirkkojärvi Area, Lake Kutajärvi Area, Lake Lämpträsket, Lake Sysmäjärvi, Lakes Aittojärvi and Kongasjärvi, Lakes Heinä-Suvanto and Hetejärvi, Lätäseno-Hietajoki Mires, Lemmenjoki National Park, Levaneva Mires, Liminganlahti Bay Area; Olvassuo Mires, Oulanka National Park, Pernajanlahti Bay, Pilvineva Mires, Riisitunturi National Park, River LUIRO Mires, Salamajärvi National Park, Sammutijänkä - Vaijoenjänkä Mires. Siikalahti Bay Area, Sotkavuoma Mires, Suurenaukeansu- Isosuo Mires and Lake Pohjalampi, Teuravuoma - Kivijärvenuoma Mires, Torronsuo National Park, Valkmusa National Park, Vassorfjärden Bay, Veneneva-Pelso Mires
67. Fiji Local Marine Managed Area Network
68. Flora and Fauna International
69. France Marine Parks: Iroise, Golfe Du Lion, Estuaires Picards Et Mer D'Opale, Cap Corse Et Agriate, Bassin D'Arcachon, Estuaire De La Gironde Et Mer Des Pertuis
70. France RAMSAR Wetlands : Camargue, Etangs de la Champagne humide, Etangs de la Petite Woëvre, Marais du Cotentin et du Bessin, Baie des Veys, Golfe du Morbihan, La Brenne, Rives du Lac Léman, Etang de Biguglia, Baie du Mont Saint-Michel, Le Marais audomarois, Les étangs de Villepey, Salins d'Hyères, La Petite Camargue, Baie de Somme Bassin du Drugeon, Etangs du Lindre, forêt du Romersberg et zones voisines, Lac du Bourget - Marais de Chautagne ; Marais du Fier d'Ars ; Grande Briere, Lac de Grand-Lieu ; Basses Vallées Angevines ; Marais salants de Guérande et du Més ; Rhin supérieur / Oberrhein, Etang de Palo ; Etang d'Urbino, Etangs palavasiens, Impluvium d'Evian, Les Etangs littoraux de la Narbonnaise ; Mares temporaires de Tre Padule de Suartone ; Tourbière de Moltifao ; Marais d'Orx et zones humides associées

71. Bassin d'Arcachon - Secteur du delta de la Leyre ; Marais Vernier et Vallée de la Risle maritime ; Marais Breton, Baie de Bourgneuf, Ile de Noirmoutier et Forêt de Monts ; Etang de Salses-Leucate ; Marais de Sacy ; Marais et tourbières des vallées de la Somme et de l'Avre.
72. Fundación Cuero-y-Salado, Fundación Cayos Cochinos and Fundación Islas de la Bahia, Honduras.
73. Germany MPA's, Borkum-Riffgrund, Doggerbank, Niedersächsisches Wattenmeer, S-H Seabird Protection Area, S-H Wadden Sea National Park, Sylt. Aussenr -Oestl.Dt.Bucht.
74. Germany RAMSAR Wetlands, Wattenmeer, Elbe-Weser-Dreieck, Wattenmeer, Jadebusen & westliche Wesermündung, Wattenmeer, Ostfriesisches Wattenmeer & Dollart, Niederelbe, Barnkrug-Otterndorf, Elbauen, Schnackenburg-Lauenburg, Dümmer, Diepholzer Moorniederung, Steinhuder Meer, Rheinauen zwischen Eltville und Bingen, Bodensee: Wollmatinger Ried, Giehrenmoos & Mindelsee, Donauauen & Donaumoos, Lech-Donau-Winkel, Ismaninger Speichersee & Fischteichen,, Ammersee, Starnberger See, Chiemsee, Unterer Inn, Haiming-Neuhaus, Ostseeboddengewässer Westrügen-Hiddensee-Zingst, Krakower Obersee, Ostufer Müritz, Niederung der Untere Havel/Gülper See, Schollener See, Unteres Odertal, Schwedt, Peitzer Teichgebiet, Helmestausee Berga-Kelbra, Galenbecker See, Rieselfelder Münster, Weserstaustufe Schlüsselburg, Unterer Niederrhein, Hamburgisches Wattenmeer, Schleswig-Holstein Wadden Sea and adjacent areas, Mühlenberger Loch, Oberrhein / Rhin Supérieur, Aland-Elbe-Niederung und Elbaue Jerichow, Bayerische Wildalm
75. Global Coral Reef Alliance
76. Global Mangrove Alliance
77. Greece Marine Parks: Ethniko Thalassio Parko Zakynthou, Ethniko Thalassio Parko Alonnisou Voreion Sporadon.
78. Greece RAMSAR Wetlands: Evros delta, Lake Vistonis, Porto Lagos, Lake Ismaris & adjoining lagoons, Nestos delta & adjoining lagoons, Lakes Volvi & Koronia, Artificial Lake Kerkin, Axios, Loudias, Aliakmon delta, Lake Mikri Prespa
79. Grenada Grand Anse, Levera, Molinier-Beausejour, Sandy Island-Oyster Bay, Woburn-Clarks-Court Bay.
80. Grenada Fund for Conservation
81. Helford Voluntary Marine Conservation Area, UK
82. Honduras: Marine National Monument Cayos Cochinos
83. Honduras RAMSAR Wetland, Parque Nacional Jeanette Kawas, Sistema de Humedales de Santa Elena, Barras de Cuero y Salado, Refugio de Vida Silvestre Punta Izopo, Subcuenca del Lago de Yojoa, Sistema de Humedales de la Isla de Utila, Sistema de Humedales Cuyamel-Omoa, Sistema de Humedales Laguna de Zambuco, Sistema de Humedales de la Zona Sur de Honduras
84. Ilot Canard, Maitre, Îlot Moindé-Ouémié, New Caledonia
85. Inhambane Bay Community Conservation Network, Mozambique
86. Imul Mangrove Conservation Are, Palau
87. India: Andhra Pradesh Coringa Sanctuary, Andhra Pradesh Krishna Sanctuary, Andhra Pradesh Pulicat Lake, Sanctuary, Daman & Diu Fudam Sanctuary, Goa Chorao Island Sanctuary, Gujarat Marine (Gulf of Kachchh) National Park, Gujarat Marine (Gulf of Kachchh) Sanctuary, Khijadia Sanctuary, Kerala, Kadalundi Vallikkunnu Community Reserve, Maharashtra Malvan Marine Sanctuary, Maharashtra Thane Creek Flamingo Sanctuary, Odisha Bhitarkanika National Park, Bhitarkanika Sanctua Chilka (Nalaban) Sanctuary, Gahirmatha Sanctuary, Odisha Balukhand Konark Sanctuary, Tamil Nadu, Gulf of Mannar Marine National Park, Tamil Nadu Point Calimere Sanctuary, Pulicat Lake Sanctuary 21 West Bengal Sundarbans National Park, West Bengal West Sundarbans Sanctuary, Holiday Island Sanctuary, Sajnakhali Sanctuary, Lothian Island Sanctuary.
88. India Islands: Andaman & Nicobars Islands; Campbell Bay National Park, Galathea Bay National Park, Mahatama Gandhi Marine (Wandoor) National Park, Mount Harriett National Park, Rani Jhansi Marine National Park, Saddle Peak National Park, Arial Island Sanctuary, Bamboo

Island Sanctuary, Barren Island Sanctuary, Battimalv Island Sanctuary, Belle Island Sanctuary, Bennett Island Sanctuary, Bingham Island Sanctuary, Blister Island Sanctuary, Bluff Island Sanctuary, Bondoville Island Sanctuary, Brush Island Sanctuary, Buchanan Island Sanctuary, Chanel Island Sanctuary, Cinque Islands Sanctuary, Clyde Island Sanctuary, Cone Island Sanctuary, Curlew (B.P.) Island Sanctuary, Curlew Island Sanctuary, Cuthbert Bay Sanctuary, Defence Island Sanctuary, Dot Island Sanctuary, Dottrell Island Sanctuary, Duncan Island Sanctuary, East Island Sanctuary, East of Inglis Island Sanctuary, Egg Island Sanctuary, Elat Island Sanctuary, Entrance Island Sanctuary, Gander Island Sanctuary, Girjan Island Sanctuary, Goose Island Sanctuary, Hump Island Sanctuary, Interview Island Sanctuary, James Island Sanctuary, Jungle Island Sanctuary, Kwangtung Island Sanctuary, Kyd Island Sanctuary, Landfall Island Sanctuary, Latouche Island Sanctuary, Lohabarrack (Saltwater Crocodile) Sanctuary, Mangrove Island Sanctuary, Mask Island Sanctuary, Mayo Island Sanctuary, Montgomery Island Sanctuary, Narcondam Island Sanctuary, North Brother Island Sanctuary, North Island Sanctuary, North Reef Island Sanctuary, Oliver Island Sanctuary, Orchid Island Sanctuary, Ox Island Sanctuary, Oyster Island-I Sanctuary, Oyster Island-II Sanctuary, Paget Island Sanctuary, Parkinson Island Sanctuary, Passage Island Sanctuary, Patric Island Sanctuary, Peacock Island Sanctuary, Pitman Island Sanctuary, Point Island Sanctuary, Potanma Islands Sanctuary, Ranger Island Sanctuary, Reef Island Sanctuary, Roper Island Sanctuary, Ross Island Sanctuary, Rowe Island Sanctuary, Sandy Island Sanctuary, Sea Serpent Island Sanctuary, Shark Island Sanctuary, Shearme Island Sanctuary, Sir Hugh Rose Island Sanctuary, Sisters Island Sanctuary, Snake Island-I Sanctuary, Snake Island-II Sanctuary, South Brother Island Sanctuary, South Reef Island Sanctuary, South Sentinel Island Sanctuary, Spike Island-Sanctuary, Spike Island-II Sanctuary, Stoa Island Sanctuary, Surat Island Sanctuary, Swamp Island Sanctuary, Table (Delgarno) Island Sanctuary, Table (Excelsior) Island Sanctuary, Talabaicha Island Sanctuary, Temple Island Sanctuary, Tillongchang Island Sanctuary, Tree Island Sanctuary, Trilby Island Sanctuary, Tuft Island Sanctuary, Turtle Islands Sanctuary, West Island Sanctuary, Wharf Island Sanctuary, White Cliff Island Sanctuary, Lakshadweep Pitti, Sanctuary, Attakoya Thangal Marine Conservation Reserve, Dr. K.K. Mohammed Koya Sea Cucumber Conservation Reserve, P.M. Sayeed Marine Birds Conservation Reserve

89. Indonesia: Selat Dampier (Raja Ampat), Kaimana, Southeast Misool (Raja Ampat), Teluk Mayalibit (Raja Ampat), Desa Olele (Bone Bolango), Serdang Bedagi, Kabupaten Linga, Pulo Pasi Gusung, Abun/Jamursba Medi, Kabupaten Pangkajene Kepulauan, Pulau Penyu, Kabupaten Banka Barat, Boalemo, Kota Tidore Kepulauan, Kabupaten Morowali, Teluk Tomni Kabupaten Parigi, Kabupaten Seram Bagian Timur, Kecamatan Enggano Kabupaten Bengkulu Utara, Pulau Pinang Siumat Dan Simanha.
90. Iceland Marine Reserve: Eldey, Hornarfjardardjup, coral reef 1, Hornarfjardardjup, coral reef 2, Hverastrytur i Eyjafirdi, Hverastrytur i Eyjafirdi, north of Arnanesnöfum, Reynisdjup, coral reef, Skaftardjup, coral reef 1, Skaftardjup, coral reef 2, Surtsey.
91. Iceland RAMSAR Wetland: Myvatn-Laxá region, Thjörðsárver, Grunnafjörður, Andakill Protected Habitat Area, Guolaugstungur Nature Reserve, Snaefell and Eyjabakkur Area.
92. Ireland Marine Protected Area, Ballyness Bay, Belgica Mound Province, Blasket Island, Cummeen Strand/Drumcliff Bay (Sligo Bay), Dundalk Bay, Galway Bay Complex, Hovland Mound Province, Kenmare River, Kilkieran Bay and Islands, Kingstown Bay, Malahide Estuary, Mullet/Blacksod Bay Complex, Mulroy Bay, North-West Porcupine Bank, North Dublin Bay, Roaring water Bay and Islands, South-West Porcupine Bank, Tralee Bay and Magharees Peninsula, West To Cloghane, Tramore Dunes and Backstrand.
93. Ireland: RAMSAR Wetlands: Bannow Bay, Blacksod Bay and Broadhaven, Blackwater Estuary, Broadmeadow Estuary, Cork Harbour, Cummeen Strand, Dundalk Bay, Dungarvan Harbour, Inner Galway Bay, Killala Bay/Moy Estuary, Lough Corrib, Lough Derravaragh, Lough Ennell, Lough Gara, Lough Oughter, Lough Owel, Sandymount Strand/Tolka Estuary, Trawbreaga Bay, Raven, The

- Pettigo Plateau, Slieve Bloom Mountains, Owenduff catchment, Owenboy, Knockmoyle/Sheekin, Lough Barra Bog, North Bull Island, Rogerstown Estuary, Clara Bog, Raheenmore Bog, Tralee Bay, Castlemaine Harbour, Easky Bog, Gearagh, The, Coole Lough & Garryland Wood, Pollardstown Fen, Meenachullion Bog, Wexford Wildfowl Reserve, Baldoyle Bay, Mongan Bog, Ballyallia Lough, Ballycotton Bay, Ballymacoda, Lough Glen, Lough Iron, Tramore Backstrand
94. Israel RAMSAR Wetland: En Afeq Nature Reserve, Hula Nature Reserve
 95. Italy Marine Reserve: Area Naturale Marina Protetta Portofino, Area Marina Protetta Cinque Terre, Riserva Naturale Marina Isole Tremiti, Area Naturale Marina Protetta Punta Campanella, Riserva Naturale Marina Di Miramare Nel Golfo Di Trieste, Riserva Naturale Marina Torre Guaceto, Area Marina Protetta Isola Di Ustica, Area Naturale Marina Protetta Secche Di Tor Paterno, Capo Milazzo, Area Naturale Marina Protetta Capo Caccia Isola Piana, Area Marina Protetta Isole Pelagie, Area Marina Protetta Isola Dell'Asinara, Area Marina Protetta Torre Del Cerrano, Area Marina Protetta Regno Di Nettuno, Area Marina Protetta Santa Maria Di Castellabate, Area Marina Protetta Costa Degli Infreschi E Della Masseta, Area Marina Protetta Plemmirio, Area Marina Protetta Secche Della Meloria, Area Marina Protetta Isola Di Bergeggi, Area Marina Protetta Capotesta - Punta Falcone
 96. Kaolo Biodiversity Conservation, Indigenous Integration & Tourism Termini
 97. Kaimana and Kimbe Bay MPA, Papua New Guinea
 98. Kiribati: Bonriki Island Water Reserve, Phoenix Islands Protected Area
 99. Koh Rong Archipelago Marine Fisheries Management Area, Cambodia
 100. Kotu Island, Tonga
 101. Kuruwitu Locally Managed Marine Area.
 102. Jamaica: Bogue Islands Lagoon, Discovery Bay Fish, Galleon Harbour, Oracabessa Fish Three Bay Area, Galleon - Black River, Bluefields Bay, Orange Bay, Salt Harbour (revised)
 103. Jamaica Wetlands Black River Lower Morass Palisadoes - Port Royal, Portland Bight Wetlands and Cays
 104. Joal Marine Protected Area, Kawawana Area of Community Heritage, Kayar Marine Protected Area, Langu de Barbarie National Park, Magdalen Islands National Park and Palmarin Community Nature Reserve (Senegal).
 105. Lake Kutubo, Papua New Guinea,
 106. Liberia (Lake Piso Ramsar Site, Lake Piso Multiple Sustainable Use Reserve, Margibi Mangrove National Park, Marshall Wetlands Ramsar Site and Mesurado Wetlands Ramsar Site)
 107. Livelihoods Fund and Senegal NGO Oceanium, -Senegal Mangroves, Sunderbans India
 108. Local Council of the MMA Santa Elena Bay, Costa Rica
 109. Low Bay Sanctuary, Antigua and Barbuda
 110. Louisa Reef Wildlife Sanctuary, Brunei Darussalam
 111. Maldives: Guraidhoo Kanduu
 112. Malindi, Watamu, Mpunguti, Mombasa and Kiunga National Marine Parks (Kenya)
 113. Mangrove Action Project, Philippines/globally
 114. Mare Moana, Cook Islands.
 115. Mauritania: Banc d'Arguin National Park, Cap Blanc Satellite Reserve. Four marine managed wetland areas include Banc d'Arguin Ramsar Site, Banc d'Arguin National Park Chat Tboul Ramsar Site, and Parc National du Diawling Ramsar Site.
 116. Mauritius: Anse Quitor Nature Reserve, Balaclava Marine Park, Black River Fishing Reserve, Blue Bay/Le Chaland Marine Nature Reserve Marine Park, Coin de Mire (Gunner's Quoin) Nature Reserve, Fregate Island Turtle Reserve, Grande Montagne Nature Reserve, Grand Port Fishing Reserve, Ile aux Aigrettes Nature Reserve and Ile Aux Cocos Nature Reserve. Others are Ile Aux Mariannes, Ile Aux Sables, Ile aux Serpents Ile Plate (Flat Island) Ile Ronde (Round Island) and Ilot Gabriel Nature Reserves along with Pearl Island Turtle Reserve, Port Louis, Lafayette Fishing Reserve, Poudre d'Or and Trou d'Eau Douce Fishing Reserves. Other Marine Managed Areas in

- Mauritius include Blue Bay Marine Park, Pointe d'Esny Wetland and Rivulet Terre Rouge Estuary Bird Sanctuary Ramsar Sites.
117. MERCES Project -EU
 118. Mexico Nature Conservation Fund
 119. Milne Bay/Manus, Papua New Guinea
 120. Morocco: Alhoceima National Park National Park, Al-Hoceima National Park, Cap des 3 Fourches Nature Reserve, Cap des 3 Fourches Permanent Hunting Reserve, Cirque d'El-Jebha Permanent Hunting Reserve, Cirque d'El-Jebha Biological and Ecological Interest Site, Cote Rhomara Permanent Hunting Reserve, Cote Rhomara Biological and Ecological Interest Site, Koudiet Taifour Permanent Hunting Reserve, Koudiet Taifour Biological and Ecological Interest Site, Lagune de Smir Biological and Ecological Interest Site, Sebkhia Bou Areg Permanent Hunting Reserve and Sous Massa National Park.
 121. Morocco: RAMSAR Wetlands/Additional Archipel d'Essaouira, Baie de Khnifiss and Barrage Oued El Maleh Ramsar Site, Wetlands, Embouchure de la Moulouya Nature reserve, Embouchures des oueds, Chbeyka-Al Wa'er Ramsar Sites, Ilôt de Skhirat Biological and Ecological Interest Site. It includes Jbel Moussa and Marais du Bas Loukous Nature Reserves, Marais et Côte du Plateau de Rmel Ramsar Site, Wetland, Merja Zerga Biological Reserve), Merja Zerga Nature reserve, Oued Chbeyka Biological and Ecological Interest Site, Oued Tahaddart Nature reserve, Reserve de Biosphère Intercontinentale de la Méditerranée (RBIM) UNESCO-MAB Biosphere Reserve, Sebkhia Bou Areg Nature reserve, Sidi Bou Ghaba; Sidi Moussa Oualidia; Tofiño and Xauen Bank and Zones humides de Souss-Massa Ramsar Wetland Site.
 122. Mnemba Island Marine Conservation Area, Zanzibar
 123. Mirova and L'Oréal Fund for Nature Regeneration
 124. Mision Tiburon Conservationist Association, Golfo Dulce Hope Spot VCA
 125. Namibia (Cape Cross Seal Reserve National Park, Namibian Islands Marine Protected Area Namib-Naukluft National Park, Orange River Mouth Ramsar Site, Sandwich Harbour Ramsar Site, Skeleton Coast Park National Park and Walvis Bay Ramsar Site
 126. Natural Capital Partners, Million Mangroves Project
 127. Nanga Lauk Village Forest, Indonesia
 128. Nicaragua Marine Reserve: Cayos Miskitos y Franja Costera Inmediata.
 129. Nicaragua RAMSAR Wetlands: Refugio de Vida Silvestre Los Guatuzos, Cayos Miskitos y Franja Costera Inmediata, Delta del Estero Real y Llanos de Apacunca, Lago de Apanás – Asturias, Refugio de Vida Silvestre Río San Juan, Sistema de Humedales de la Bahía de Bluefields, Sistemas Lacustre, Palustres y Riberino del Municipio de San Miguelito, Sistema Lagunar de Tisma, Sistema Lagunar Playitas-Moyúa-Tecomapa
 130. Nimpal Channel Marine Conservation Area, Federated States of Micronesia
 131. Niulakita Locally Managed Marine Area, Tuvalu
 132. Niutao/Nukunonu Locally Managed Marine Area, Tuvalu
 133. Nordic Blue Carbon
 134. Ocean Foundation, offset projects have been completed in the Florida Keys National Monument, Elkhorn Slough National Estuarine Research Reserve, and Narragansett Bay.
 135. Ofu Island, Tonga
 136. Oikull Mangrove Conservation Area, Palau,
 137. Panama RAMSAR Wetlands: Golfo de Montijo, San San-Pond Sak, Punta Patiño, Bahía de Panamá, Humedal de Importancia Internacional Damani-Guariviara.
 138. Parque Natural Obô do Príncipe Natural Park and The Island of Príncipe UNESCO-MAB Biosphere Reserve (Sao Tome and Principe).
 139. Pemba Channel Conservation Area, Ras Kiuyu Forest Reserve, Saadani National Park, Tanga Collaborative Fishery Management Area and Rufiji-Mafia-Kilwa Ramsar Wetland Site.
 140. Pew Charitable Trust

141. Philippines Mangrove Area, Sibuyan Island Mangrove Swamp Forest Reserve, Entire Province of Palawan (Proc 2152) Mangrove Swamp Forest Reserve, Island of Ambugan / Hambangan & Inabanga River Mangrove Swamp Forest Reserve, Island of Basot, Quinalaang and Malabungot Mangrove Swamp Forest Reserve, Mangrove Areas along Coastline of Dupon Bay from Sacay point to Mouth of Dupon River, Apali Point to Calunganan Point Puerto Bello Lao Mangrove from Bo. Tuban and Bo. Manpagui Santa Cruz Mangrove Swamp Forest Reserve, Mangrove Areas from Tagasilay to the Mouth of Tigbao River including east of Vitali Island Mangrove Swamp Forest Reserve, Mangrove Areas from Del Pilar River to Palita Island, Bo. Salvacion and Dahican Mangrove Swamp Forest Reserve, Mangrove from Pigbucan Point to Paron Point Mangrove Swamp Forest Reserve, Putiao River to Malbog River, Getumbro Pt. to Prieto Diaz, Panuntingan Pt. to Tagdon River, Sinagbatan Bay to Mantay Pt. Mangrove Swamp Forest Reserve, Island of Pamusuan, Handayan, Majanay,, Islets of Bonoon, Lapinig, Pinahon and Lapinig Chico, Mangrove areas east of Soom River Pangpang Mangrove Swamp Forest Reserve, Mangrove From Baculin Point to Lakud Point, Tanuip Point to Quinablangan Island and Samal Island Mangrove Swamp Forest Reserve, Mangrove Areas from Liangan River to Lipatan River of the Municipality of Lapayan Mangrove Swamp Forest Reserve, Mangrove Areas in Tumalong Bay, Baong River, Pongca Bay, Mangrove in Pisan, Sagayapan, Tintauan and Sacol Island Mangrove Swamp Forest Reserve
142. Philippine Rise Marine Resource Reserve
143. Philippines, Sarangani Bay Protected Seascape, Tañon Strait Protected Seascape, Panglao Island Protected Seascape, Ticao-Burias Pass Protected Seascape
144. Planet Indonesia, Kubu Raya Mangroves.
145. Ponta do Ouro Partial Marine Reserve and Primeiras and Secundas Environmental Protection Area. Marine reserves include the Maputo Special Reserve, Marromeu Game Reserve, Pomene Game Reserve and Zambezi Delta Ramsar Site (Mozambique).
146. PROYECTO M.A.R.E.S. (Manejo de Áreas Reservadas y Ecosistemas para la Sostenibilidad / Reserved Areas Management and Ecosystems for Sustainability)
147. Pur-Project - International Platform for Insetting; Marine Ecosystem Restoration Pejarakan, Indonesia -
148. Pure Shrimp Initiative, Terra Sierpe mangrove project – Costa Rica
149. Rare
150. Reef Check Malaysia
151. ReMEDIES project — Saving seagrass and maerl seabed habitats
152. Reserva Costa Atlantica de Tierra del Fuego, Argentina
153. Restore America's Estuaries
154. St Kitts and Nevis Marine Management Area
155. St Lucia, Savannes Bay, Moule a Chique, Ceasar-Mathurin, The Maria Islet Reef, Mankote, Union Palm Island,
156. St Vincent and the Grenadines -Canouan, Mustique
157. Sarteneja Alliance for Conservation and Development
158. Saudi Aramco (Blue Carbon project)
159. Seacology Sri Lanka Mangrove Conservation Project, Wailevu Village Fiji, etc.
160. Senegal (Abéné Marine Protected Area, Bamboung Community Marine Protected Area,)
161. Seychelles (African Banks Protected Area, Aldabra Special Reserve, Aldabra Group Marine National Park, Amirantes Group and Fortune Bank Area of Outstanding Natural Beauty, Aride Island Special Reserve, Baie Ternay Marine National Park, Boudeuse Nature Reserve, Cousin Island Special Reserve, Curieuse Marine National Park, Etoile Nature Reserve, Ile aux Vache Marine Nature Reserve, Ile Cocos, Ile La Fouche, Ilot Platte Marine National Park, La Digue Veuve Special Marine Reserve, Port Launay Marine National Park, Seychelles Marine Protected Area, Silhouette Marine National Park and Ste. Anne Marine National Park.
162. Shimoni Beach Management Unit, Kenya

163. Sierra Leone Bonthe Mangrove Swamp Strict Nature Reserve, Scarries River Estuary Marine Protected Area, Sewa-Waanje Game Reserve, Sherbro River Estuary Marine Protected Area, Sierra Leone River Estuary Ramsar Wetland Site, Sierra Leone River Estuary Marine Protected Area, Sulima Mangrove Swamp Strict Nature Reserve and Yawri Bay Marine Protected Area
164. Sinub Island Marine, Papua New Guinea,
165. Soufriere Marine Management Area, Dominica.
166. South Africa: Orange Shelf Edge, Namaqua Fossil Forest, Namaqua National Park, Childs Bank, Benguela Mud, Cape Canyon, Rocherpan, Malgas, Marcus, Jutten and Robben Islands, Table Mountain National Park, Langebaan Lagoon, 16 Mile Beach, Heidelberg, Betty's Bay, Walker Bay, SE Atlantic Seamounts, Brown's Bank Corals, Agulhas Mud, De Hoop, Stilbaai, Agulhas Bank Complex, SW Indian Seamounts, Goukamma, Robberg, Tsitsikamma, Agulhas Front, Port Elizabeth Corals, Sardinia Bay, Addo Elephant National Park, Amathole, Amathole offshore, Dwesa-Cwebe, Hluleka, Pondoland, Trafalgar, Protea Banks, Aliwal Shoal, UThukela Banks, ISimangaliso and Prince Edward Islands.
167. Spain Marine Protected Area: Reserva Marina De La Isla Graciosa Y De Los Islotes Del Norte De Lanzarote, Reserva Marina De La Punta De La Restinga-Mar De Las Calmas, Reserva Marina De La Isla De La Palma, Reserva Marina De La Isla De Alboran, Reserva Marina De La Isla De Tabarca, Reserva Marina De Las Islas Columbretes, Reserva Marina De Cabo De Gata-Níjar, Reserva Marina De Cabo De Palos-Islas Hormigas, Reserva Marina De Levante De Mallorca-Cala Ratjada, Reserva Marina De Masía Blanca, Reserva Marina De Cabo Tiñoso.
Spain RAMSAR Wetlands: Doñana, Las Tablas de Daimiel, Laguna de Fuente de Piedra, Embalses de Cordobilla y Malpasillo, Albufera de Adra, Mar Menor Marismas de Santoña, Marjal de Pego-Oliva, Ría del Eo
168. Sudan Mukawwar Managed Nature Reserve, Port Sudan Marine National Park, Sanganeb Atoll Marine National Park, Sanganeb Marine National Park and Dungonab Bay - Mukawwar Island Marine National Park World Heritage Site.
169. Supporting Entrepreneurship and Economic Development, Sierra Leone,
170. Swallow Caye Wildlife Sanctuary Belize
171. Sussex Wildlife Trust -Kelp Forests
172. Tab Island, Papua New Guinea
173. Tanzania Mangroves-Kisarawe Forest Reserve, Mangroves (Mikindani) Forest Reserve, Maziwe Island Marine Reserve, Menai Bay Conservation Area, Misali Island Conservation Area), Mlola Forest Reserve, Mnazi Bay-Ruvuma Estuary Marine Park and Ngezi-Vumawimbi Forest Reserve
174. Tetepare Community Conservation Area, Solomon Islands.
175. Tunisia, Archipel De La Galite Specially Protected Areas of Mediterranean Importance, Complex des zones humides des Chott El Guetayate et Sebkheth Dhreia et Oued Akarit Rekhama et Melah Wetland Zone; Complex des zones humides de Sebkheth Oum Ez-Zessar et Sbkkhet El Grine Wetland Zone and Complex des zones humides de Sebkheth Oum Ez-Zessar et Sbkkhet El Grine Ramsar Wetland Site. Others include Complexe lac de Tunis Wetland Zone, Complexe lac de Tunis Ramsar Site, Wetland, Ichkeul Ramsar Wetland Site, Ichkeul UNESCO-MAB Biosphere Reserve, Ichkeul and Jerba Bin El Ouediane Wetland Zones.
176. Tunisia Other: Jerba Guellala Wetland Zone, Jerba Ras Rmel Wetland Zone, Kneiss iles Specially Protected Areas of Mediterranean Importance, Kneiss iles Nature Reserve, Kneiss iles Wetland Zone, Lagune de Boughrara Wetland Zone, Lagune de Boughrara Ramsar Site, Wetland, Lagune de Ghar El Melh et delta de la medjerda Wetland Zone, Lagunes du Cap Bon oriental Wetland Zone, Lagunes du Cap Bon oriental Ramsar Site, Les Salines de Monastir Wetland Zone, Salines de Thyna Wetland Zone, Sebkhath de l'archipel de Kerkennah Wetland Zone, Sebkheth Halk El Manzel et Oued Essed Wetland Zone and Zembra et Zembretta Specially Protected Areas of Mediterranean Importance. Marine Managed Areas include Bahiret El Bibane Ramsar Wetland Site, Barrage Sidi El Barrak Ramsar Site, Complex des zones humides des Chott El Guetayate et

Sebkhet Dhreia et oued Akarit Rekhama et Melah Ramsar Wetland Site, Jerba Bin El Ouediane Ramsar Wetland Site, Jerba Guellala Ramsar Wetland Site, Jerba Ras Rmel Ramsar Wetland Site, Kneiss iles Ramsar Wetland Site, Lagune de Ghar El Melh et delta de la medjerda Ramsar Wetland Site, Les Salines de Monastir, Salines de Thyna Ramsar Wetland Site, Sebkhah de l'archipel de Kerkennah Ramsar Site, Sebkhah Halk El Manzel et Oued Essed Ramsar Site, Zembra and Zembretta Iles National Park and Zembra and Zembretta Iles UNESCO-MAB Biosphere Reserve.

177. The Bay Foundation (Kelp Forest Restoration Project)
178. The Wetlands Initiative
179. Tonga -Mango Island, Fanga'uta and Fanga Kakau Lagoons
180. Trinidad and Tobago, Proposed Northeast MPA, Bucco Reef
181. Two Foot Bay Sanctuary, Redonda and Nelson's Dockyard, Antigua and Barbuda
182. Turneffe Atoll Sustainability Association
183. UK Sturgeon Alliance (Blue Marine Foundation)
184. USA Wetlands: Edwin B Forsythe National Wildlife Refuge, Izembek Lagoon National Wildlife Refuge, Okefenokee National Wildlife Refuge, Everglades National Park, Chesapeake Bay Estuarine Complex, Cheyenne Bottoms, Cache-Lower White Rivers, Catahoula Lake, Delaware Bay Estuary, Caddo Lake, Cache River-Cypress Creek Wetlands, Sand Lake National Wildlife Refuge, Quivira National Wildlife Refuge, Laguna de Santa Rosa Wetland Complex, Upper Mississippi River Floodplain Wetland, Congaree National Park, The Emiquon Complex, Chikawaukee Illinois Beach Lake Plain, Horicon Marsh, Connecticut River Estuary and Tidal River Wetlands Complex, Pelican Island National Wildlife Refuge, Tomales Bay, Grassland Ecological Area, Kawainui and Hamakua Marsh Complex, Francis Beidler Forest, Wilma H. Schiermeier Olentangy River Wetland Research Park, Corkscrew Swamp Sanctuary, Humbug Marsh, Roswell Artesian Wetlands, Kakagon and Bad River Sloughs, Sue and Wes Dixon Waterfowl Refuge at Hennepin & Hopper Lakes, Tijuana River National Estuarine Research Reserve, San Francisco Bay Estuary, Missisquoi Delta and Bay Wetlands, Ash Meadows National Wildlife Refuge, Door Peninsula Coastal Wetlands, Bolinas Lagoon (NOAA have a separate Marine Protected Area List)
185. Vamizi Island, Mozambique
186. Vietnam Hon Me Marine Protected Area (marine), Nha Trang Bay, Con Dao, Dao Co To, Hon Cau-Vinh Hao, Phu Quy Island, Thuy Trieu, Bach Long Vi Island, Quy Nhon, Cu Mong, O Loan, Nha Phu-Hon Heo, Tran Island, Con Co, Cu Lao Cham (marine), Dao Ly Son, Hai Van-Hon Son Tra, Nam Du, Phu Quoc, Dao Cat Ba, Nai Lagoon, Truong Sa
187. Vietnam RAMSAR/other wetlands: Xuan Thuy Natural Wetland Reserve, Ba Be Tram Chim National Park, Lang Sen Wetland Reserve, U Minh Thuong National Park, Bau Sau Mui Ca Mau National Park, Con Dao National Park
188. Wasini Beach Management Unit
189. We are Project Zero
190. Wetlands International
191. Whal Island, Papua New Guinea
192. Wildfowl and Wetlands Trust
193. WWF
194. Utulei/Utungake Community Conservation Areas, Tonga,
195. Yorkshire Wildlife Trust (Operation Oyster), Natural England, Marine Conservation Society, Royal Yachting Association (RYA), Ocean Conservation Trust, & The Green Blue
196. Zoological Society of London

The following declared globally significant marine/ocean reserves are either subject to national governments or operating under the High Seas/special areas. Yet all need continuous safeguarding and can serve as additional structured blue carbon and sustainable finance

investments or bases upon which to extend the goal of rewilding/restoring the planet and its oceans/coastlines.

| Year | Name | Total Area (km ²) | No-take Area (km ²) | Nation or Authority |
|--------|---|-------------------------------|---------------------------------|---------------------|
| 2017 | Ross Sea Protected Area | 1,549,000 | 1,117,000 | CCAMLR |
| 2016 | Papahānaumokuākea Marine National Monument | 1,508,870 | 1,146,565 | United States |
| (2014) | Natural Park of the Coral Sea (New Caledonia)* | 1,368,806 | 28,000 | France |
| 2014 | Pacific Remote Islands Marine National Monument | 1,270,000 | 1,270,000 | United States |
| 2012 | South Georgia & South Sandwich Islands MPA | 1,000,700 | 20,431 | United Kingdom |
| 2018 | Coral Sea Commonwealth Marine Reserve | 989,842 | 238,400 | Australia |
| 2015 | Pitcairn Islands Marine Reserve | 834,334 | 834,334 | United Kingdom |
| 2016 | Terres Australes Francaises | 673,000 | 120,000 | France |
| 2010 | Chagos (British Indian Ocean Territory) MPA | 640,000 | 545,000 | United Kingdom |
| (2015) | Rapa Nui Rahui MPA* | 631,368 | 496,570 | Chile |
| 2015 | Palau National Marine Sanctuary | 500,000 | 0 | Palau |
| (2017) | Juan Fernandez Marine Park* | 480,000 | 480,000 | Chile |
| 2016 | St Helena Marine Protection Zone | 445,000 | 0 | United Kingdom |
| 2018 | Pacifico Mexicano Profundo | 436,147 | only deeper than 800m | Mexico |
| 2006 | Phoenix Islands Protected Area | 408,250 | 408,250 | Kiribati |
| 2018 | Trindade e Martin Vaz Environmental Protection Area | 403,845 | 0 | Brazil |
| 2018 | Sao Pedro e Sao Paulo Environmental Protection Area | 384,562 | 0 | Brazil |
| 1975 | Great Barrier Reef Marine Park Authority | 345,000 | 115,000 | Australia |
| 2012 | Marae Moana Marine Park | 324,000 | 0 | Cook Islands |
| 2015 | Nazca-Desventuradas Marine Park | 297,518 | 297,518 | Chile |
| 2018 | South-west Corner Commonwealth Marine Reserve | 271,833 | 54,841 | Australia |
| 2009 | Marianas Trench Marine National Monument | 246,608 | 0 | United States |
| 2018 | Norfolk Commonwealth Marine Reserve | 188,444 | 41,661 | Australia |
| 2017 | Micronesia MPA | 184,948 | 0 | Micronesia |
| 2009 | Prince Edward Islands MPA | 180,000 | 4,440 | South Africa |
| 2010 | Charlie Gibbs North High Seas MPA | 178,651 | 0 | OSPAR |
| 1999 | Macquarie Island Marine Reserve | 162,000 | 58,000 | Australia |

| | | | | |
|--------|---|---------|---------|-----------|
| 2010 | Motu Motiro Hiva Marine Park | 150,000 | 150,000 | Chile |
| 2017 | Revillagigedo National Park | 147,629 | 147,629 | Mexico |
| 2018 | Argo-Rowley Terrace Commonwealth Marine Reserve | 146,003 | 36,050 | Australia |
| 2010 | Charlie Gibbs South High Seas MPA | 145,420 | 0 | OSPAR |
| (2017) | Diego Ramirez-Drake Passage (Cabo de Hornos) Marine Park* | 137,000 | 137,000 | Chile |
| 1998 | Galapagos Marine Reserve | 133,000 | 47,000 | Ecuador |
| (2017) | Tallurutiup Imanga/Lancaster Sound National Marine Conservation Area* | 131,000 | 0 | Canada |
| 2018 | Lord Howe Commonwealth Marine Reserve | 110,126 | 9,273 | Australia |

Source: MPA Atlas 2020.















3.1: Artificial Reef Experimental Projects (Government)

-  Artificial Reef Society of British Columbia
-  Charlotte County Florida
-  Georgia
-  Louisiana
-  NJDEP Marine Fisheries
-  North Carolina, USA
-  South Carolina, USA

3.2: Other Information Sources

- MPA Atlas
- Protected Planets.net
- SPREP Pacific Islands Protected Areas Portal

3.3: Gaps in Countries (% of EEZ Defended as a Marine Protected Area according to MPA Atlas)

-  Albania 0%
-  Algeria Less Protected / Unknown < 1%
-  Angola 0%
-  Antigua and Barbuda 0.3%
-  Argentina -11.77%
-  Azerbaijan (0.44%)
-  Bahamas, 9.1%, 27 MPA's.
-  Bahrain, 1.24%, 5.
-  Bangladesh, 5.3%
-  Barbados, 0.01%
-  Belgium, 36%, 23
-  Belize, 12%
-  Benin 0%, 0
-  Bosnia and Hercegovina 0%, 0

- ✚ Brazil, 26.4%
- ✚ Brunei Darussalam, 0.2%, 1
- ✚ Cambodia, 1.44%
- ✚ Cameroun, 10.89
- ✚ Canada 8.86%
- ✚ Comoros 0.03%
- ✚ Costa Rica 2.7%
- ✚ Cuba, 3.85%
- ✚ Croatia 8.99%
- ✚ Cote de Ivorie 0%
- ✚ Dominica, 0.02% of EEZ
- ✚ Dominican Republic, 17.96% of EEZ,
- ✚ Ecuador, 13.35%
- ✚ Egypt 4.95%
- ✚ Finland, 11.99%
- ✚ France, 50.3%
- ✚ Germany, 45.4%
- ✚ Ghana, 0%, 0
- ✚ Greece 4.24%
- ✚ Guinea Bissau 8.71%, 6 marine protected areas/reserves (MPA's)
- ✚ Haiti 20.75%, 10 MPA's
- ✚ Honduras, 4.52%
- ✚ Iceland, 0.42%
- ✚ Indonesia 3.06%
- ✚ Ireland, 2.33%
- ✚ Kenya 0.66%, 11
- ✚ Kiribati. 11.87%
- ✚ Liberia 0%
- ✚ Madagascar 0.58%
- ✚ Maldives 3.39%
- ✚ Mauritania, 4.13%, 2
- ✚ Morocco, 0.18%, 13 protected areas
- ✚ Myanmar, 0.08%, 11
- ✚ Nicaragua 3.39%
- ✚ Nigeria 0%, 0
- ✚ Panama, 11.57%
- ✚ Papua New Guinea 0.18%, 51 MPA's
- ✚ Philippines 1.745
- ✚ Sao Tome and Principe 0%, 0
- ✚ Senegal 1.09%, 12
- ✚ Sierra Leone 0%
- ✚ Solomon Islands 0.1%, 8 MPA's
- ✚ Spain, 12.76% of EEZ
- ✚ St Kitts and Nevis, 3.96%
- ✚ St Lucia, 0.22%
- ✚ St Vincent and the Grenadines, 0.22%
- ✚ Tanzania 2.34%, 28
- ✚ Tonga 0.06%
- ✚ Trinidad and Tobago, 0.03%
- ✚ Tunisia, 0.02%

-  USA 26%
-  Vietnam, 0.56%
-  Yemen 0.22%, 3

From previous work,

Table 1: Australian Marine Reserves 2020.

| | |
|---|--|
| Coral Sea Commonwealth Marine Reserve 989,842 km² | Great Barrier Reef Marine Park Authority 345,000 km² |
| North Network of Commonwealth Marine Reserves | West Cape York Commonwealth Marine Reserve |
| Gulf of Carpentaria Commonwealth Marine Reserve | Limmen Commonwealth Marine Reserve |
| Wessel Commonwealth Marine Reserve | Arafura Commonwealth Marine Reserve |
| Oceanic Shoals Commonwealth Marine Reserve | North-west Network of Commonwealth Marine Reserves |
| Kimberley Commonwealth Marine Reserve | Argo Rowley Terrace Commonwealth Marine Reserve |
| Dampier Commonwealth Marine Reserve | Gascoyne Commonwealth Marine Reserve |
| South-west Network of Commonwealth Marine Reserves | Two Rocks Commonwealth Marine Reserve |
| Perth Canyon Commonwealth Marine Reserve | Geographe Commonwealth Marine Reserve |
| South-west Corner Commonwealth Marine Reserve 271,833 km² | Bremer Commonwealth Marine Reserve |
| Eastern Recherche Commonwealth Marine Reserve | Twilight Commonwealth Marine Reserve |
| Great Australian Bight Commonwealth Marine Reserve | Western Eyre Commonwealth Marine Reserve |
| Temperate East Network of Commonwealth Marine Reserves | Jervis Commonwealth Marine Reserve |
| Hunter Commonwealth Marine Reserve | Solitary Islands Commonwealth Marine Reserve |
| Central Eastern Commonwealth Marine Reserve | Lord Howe Commonwealth Marine Reserve 110,126 km ² |
| Norfolk Commonwealth Marine Reserve 188,444 km² | Bougainville; Cato Reef |
| Dianne Bank, Moore Reefs and Willis Islets | Flinders; Frederick; Holmes; Lihou Reefs |
| Marion; Osprey Reef, Shark Reef and Vema Reef | Saumarez; Tregosse; Wreck Reefs |
| Macquarie Island 126,000 km² | |

Source: *This Study*.

Table 2: Madagascar Marine Protected Areas

| | |
|---|---|
| Ambodiforaha Locally Managed Marine Area | Lokobe National Park |
| Ambodilaitry Masoala Marine Park | Mahasoa Locally Managed Marine Area |
| Ambodimangamaro Locally Managed Marine Area | Mahavavy Kinkony Passage Harmonieux Protégé |
| Amboditangena Locally Managed Marine Area | Maintimbato Locally Managed Marine Area |
| Ambodivahibe Paysage Harmonieux Protégé | Mamela Honko Locally Managed Marine Area |
| Ambohibola Locally Managed Marine Area | Mangroves de Tsiribihina Ramsar Site, Wetland |
| Analanjahana Locally Managed Marine Area | Manjaboaka Locally Managed Marine Area |
| Aniribe Locally Managed Marine Area | Maromena/Befasy Locally Managed Marine Area |
| Ankarea Marine Protected Area (Aire marine protégée) | Nosy Atafana Marine Park |
| Ankarea Paysage Harmonieux Protégé | Nosy Mangabe National Park |
| Ankivonjy Paysage Harmonieux Protégé | Nosy Ve National Park |
| Ankivonjy Marine Protected Area (Aire marine protégée) | Ranobe Locally Managed Marine Area |
| Antisakivolo Locally Managed Marine Area | Rantohely Locally Managed Marine Area |
| Baie de Baly National Park | Sahamalaza National Park |
| Barren Isles Locally Managed Marine Area | Seranambe Locally Managed Marine Area |
| Barrière de Corail Nosy Ve Androka Ramsar Site, Wetland | Site Bioculturel d'Antrema Ramsar Site, Wetland |
| Beheloke Locally Managed Marine Area | Soariake Marine Protected Area (Aire marine protégée) |
| Belo-sur-mer Locally Managed Marine Area | Tahosoa Locally Managed Marine Area |

| | |
|--|--|
| Cap Sainte-Marie Special Reserve | Tampolo Locally Managed Marine Area |
| Fimihara Locally Managed Marine Area | Tampolo Marine Park |
| Future AMP Barren Proposed Marine Park | Tanandava Locally Managed Marine Area |
| Grand Recife Marine National Park | Tanjona Marine Park |
| Iles Barren Ramsar Site, Wetland of International Importance | Tsinjoriake Passage Harmonieux Protégé |
| Imorona Locally Managed Marine Area | Vatolava Locally Managed Marine Area |
| Itampolo Locally Managed Marine Area | Velondriake Passage Harmonieux Protégé |
| Littoral Sud Toliara Collaborative Fishery Management Area | Vohitralanana Locally Managed Marine Area |
| Ambodiforaha Locally Managed Marine Area | Zones Humides de Sahamalaza Ramsar Site, Wetland |

Source: This Study.

Table 3: India Marine Protected Areas Mainland and Islands

| S.No. | State/UT | Name of MPA | Legal Status | Area | Year |
|-------|----------------|--------------------------------|-------------------|----------|------|
| 1 | Andhra Pradesh | Coringa | Sanctuary | 235.70 | 1978 |
| 2 | Andhra Pradesh | Krishna | Sanctuary | 194.81 | 1989 |
| 3 | Andhra Pradesh | Pulicat Lake | Sanctuary | 600.00 | 1980 |
| 4 | Daman & Diu | Fudam | Sanctuary | 2.18 | 1991 |
| 5 | Goa | Chorao Island | Sanctuary | 1.78 | 1988 |
| 6 | Gujarat | Marine (Gulf of Kachchh) | National Park | 162.89 | 1995 |
| 7 | Gujarat | Marine (Gulf of Kachchh) | Sanctuary | 295.03 | 1980 |
| 8 | Gujarat | Khijadia | Sanctuary | 6.05 | 1981 |
| 9 | Kerala | Kadalundi Vallikkunnu | Community Reserve | 1.50 | 2007 |
| 10 | Maharashtra | Malvan Marine | Sanctuary | 29.12 | 1987 |
| 11 | Maharashtra | Thane Creek Flamingo | Sanctuary | 16.905 | 2015 |
| 12 | Odisha | Bhitarkanika | National Park | 145.00 | 1998 |
| 13 | Odisha | Bhitarkanika | Sanctuary | 525.00 | 1975 |
| 14 | Odisha | Chilka (Nalaban) | Sanctuary | 15.53 | 1987 |
| 15 | Odisha | Gahirmatha | Sanctuary | 1435.00 | 1997 |
| 16 | Odisha | Balukhand Konark | Sanctuary | 71.72 | 1984 |
| 17 | Tamil Nadu | Gulf of Mannar Marine | National Park | 526.02 | 1980 |
| 18 | Tamil Nadu | Point Calimere | Sanctuary | 17.26 | 1967 |
| 19 | Tamil Nadu | Pulicat Lake | Sanctuary | 153.67 | 1980 |
| 20 | Tamil Nadu | Pulicat Lake Block-A & Block-B | Sanctuary | 124.0727 | 2013 |
| 21 | West Bengal | Sundarbans | National Park | 1330.10 | 1984 |
| 22 | West Bengal | West Sundarbans | Sanctuary | 556.45 | 2013 |

| | | | | | |
|-------------------|-------------|----------------|-----------|----------------|------|
| 23 | West Bengal | Haliday Island | Sanctuary | 5.95 | 1976 |
| 24 | West Bengal | Sajnakhali | Sanctuary | 362.40 | 1976 |
| 25 | West Bengal | Lothian Island | Sanctuary | 38.00 | 1976 |
| Total Area | | | | 6852.14 | |

| S.No. | Name of MPA | Legal Status | Area of MPA | Year of Notification |
|---------------------------------------|----------------------------------|---------------|-------------|----------------------|
| Andaman & Nicobars Islands | | | | |
| 1 | Campbell Bay | National Park | 426.23 | 1992 |
| 2 | Galathea Bay | National Park | 110.00 | 1992 |
| 3 | Mahatama Gandhi Marine (Wandoor) | National Park | 281.50 | 1983 |
| 4 | Mount Harriett | National Park | 46.62 | 1987 |
| 5 | Rani Jhansi Marine | National Park | 320.06 | 1996 |
| 6 | Saddle Peak | National Park | 32.54 | 1987 |
| 7 | Arial Island | Sanctuary | 0.05 | 1987 |
| 8 | Bamboo Island | Sanctuary | 0.05 | 1987 |
| 9 | Barren Island | Sanctuary | 8.10 | 1987 |
| 10 | Battimalv Island | Sanctuary | 2.23 | 1987 |
| 11 | Belle Island | Sanctuary | 0.08 | 1987 |
| 12 | Benett Island | Sanctuary | 3.46 | 1987 |
| 13 | Bingham Island | Sanctuary | 0.08 | 1987 |
| 14 | Blister Island | Sanctuary | 0.26 | 1987 |
| 15 | Bluff Island | Sanctuary | 1.14 | 1987 |
| 16 | Bondoville Island | Sanctuary | 2.55 | 1987 |
| 17 | Brush Island | Sanctuary | 0.23 | 1987 |
| 18 | Buchanan Island | Sanctuary | 9.33 | 1987 |
| 19 | Chanel Island | Sanctuary | 0.13 | 1987 |
| 20 | Cinque Islands | Sanctuary | 9.51 | 1987 |
| 21 | Clyde Island | Sanctuary | 0.54 | 1987 |
| 22 | Cone Island | Sanctuary | 0.65 | 1987 |
| 23 | Curlew (B.P.) Island | Sanctuary | 0.16 | 1987 |
| 24 | Curlew Island | Sanctuary | 0.03 | 1987 |
| 25 | Cuthbert Bay | Sanctuary | 5.82 | 1997 |
| 26 | Defence Island | Sanctuary | 10.49 | 1987 |
| 27 | Dot Island | Sanctuary | 0.13 | 1987 |
| 28 | Dottrell Island | Sanctuary | 0.13 | 1987 |
| 29 | Duncan Island | Sanctuary | 0.73 | 1987 |
| 30 | East Island | Sanctuary | 6.11 | 1987 |
| 31 | East of Inglis Island | Sanctuary | 3.55 | 1987 |
| 32 | Egg Island | Sanctuary | 0.05 | 1987 |

| | | | | |
|----|-----------------------------------|-----------|--------|------|
| 33 | Elat Island | Sanctuary | 9.36 | 1987 |
| 34 | Entrance Island | Sanctuary | 0.96 | 1987 |
| 35 | Gander Island | Sanctuary | 0.05 | 1987 |
| 36 | Girjan Island | Sanctuary | 0.16 | 1987 |
| 37 | Goose Island | Sanctuary | 0.01 | 1987 |
| 38 | Hump Island | Sanctuary | 0.47 | 1987 |
| 39 | Interview Island | Sanctuary | 133.87 | 1987 |
| 40 | James Island | Sanctuary | 2.10 | 1987 |
| 41 | Jungle Island | Sanctuary | 0.52 | 1987 |
| 42 | Kwangtung Island | Sanctuary | 0.57 | 1987 |
| 43 | Kyd Island | Sanctuary | 8.00 | 1987 |
| 44 | Landfall Island | Sanctuary | 29.48 | 1987 |
| 45 | Latouche Island | Sanctuary | 0.96 | 1987 |
| 46 | Lohabarrack (Saltwater Crocodile) | Sanctuary | 22.21 | 1987 |
| 47 | Mangrove Island | Sanctuary | 0.39 | 1987 |
| 48 | Mask Island | Sanctuary | 0.78 | 1987 |
| 49 | Mayo Island | Sanctuary | 0.10 | 1987 |
| 50 | Montgomery Island | Sanctuary | 0.21 | 1987 |
| 51 | Narcondam Island | Sanctuary | 6.81 | 1987 |
| 52 | North Brother Island | Sanctuary | 0.75 | 1987 |
| 53 | North Island | Sanctuary | 0.49 | 1987 |
| 54 | North Reef Island | Sanctuary | 3.48 | 1987 |
| 55 | Oliver Island | Sanctuary | 0.16 | 1987 |
| 56 | Orchid Island | Sanctuary | 0.10 | 1987 |
| 57 | Ox Island | Sanctuary | 0.13 | 1987 |
| 58 | Oyster Island-I | Sanctuary | 0.08 | 1987 |
| 59 | Oyster Island-II | Sanctuary | 0.21 | 1987 |
| 60 | Paget Island | Sanctuary | 7.36 | 1987 |
| 61 | Parkinson Island | Sanctuary | 0.34 | 1987 |
| 62 | Passage Island | Sanctuary | 0.62 | 1987 |
| 63 | Patric Island | Sanctuary | 0.13 | 1987 |
| 64 | Peacock Island | Sanctuary | 0.62 | 1987 |
| 65 | Pitman Island | Sanctuary | 1.37 | 1987 |
| 66 | Point Island | Sanctuary | 3.07 | 1987 |
| 67 | Potanma Islands | Sanctuary | 0.16 | 1987 |
| 68 | Ranger Island | Sanctuary | 4.26 | 1987 |
| 69 | Reef Island | Sanctuary | 1.74 | 1987 |
| 70 | Roper Island | Sanctuary | 1.46 | 1987 |
| 71 | Ross Island | Sanctuary | 1.01 | 1987 |
| 72 | Rowe Island | Sanctuary | 0.01 | 1987 |
| 73 | Sandy Island | Sanctuary | 1.58 | 1987 |
| 74 | Sea Serpent Island | Sanctuary | 0.78 | 1987 |

| | | | | |
|-------------------------|-------------------------------------|----------------------|----------------|------|
| 75 | Shark Island | Sanctuary | 0.60 | 1987 |
| 76 | Shearme Island | Sanctuary | 7.85 | 1987 |
| 77 | Sir Hugh Rose Island | Sanctuary | 1.06 | 1987 |
| 78 | Sisters Island | Sanctuary | 0.36 | 1987 |
| 79 | Snake Island-I | Sanctuary | 0.73 | 1987 |
| 80 | Snake Island-II | Sanctuary | 0.03 | 1987 |
| 81 | South Brother Island | Sanctuary | 1.24 | 1987 |
| 82 | South Reef Island | Sanctuary | 1.17 | 1987 |
| 83 | South Sentinel Island | Sanctuary | 1.61 | 1987 |
| 84 | Spike Island-I | Sanctuary | 0.42 | 1987 |
| 85 | Spike Island-II | Sanctuary | 11.70 | 1987 |
| 86 | Stoat Island | Sanctuary | 0.44 | 1987 |
| 87 | Surat Island | Sanctuary | 0.31 | 1987 |
| 88 | Swamp Island | Sanctuary | 4.09 | 1987 |
| 89 | Table (Delgarno) Island | Sanctuary | 2.29 | 1987 |
| 90 | Table (Excelsior) Island | Sanctuary | 1.69 | 1987 |
| 91 | Talabaicha Island | Sanctuary | 3.21 | 1987 |
| 92 | Temple Island | Sanctuary | 1.04 | 1987 |
| 93 | Tillongchang Island | Sanctuary | 16.83 | 1985 |
| 94 | Tree Island | Sanctuary | 0.03 | 1987 |
| 95 | Trilby Island | Sanctuary | 0.96 | 1987 |
| 96 | Tuft Island | Sanctuary | 0.29 | 1987 |
| 97 | Turtle Islands | Sanctuary | 0.39 | 1987 |
| 98 | West Island | Sanctuary | 6.40 | 1987 |
| 99 | Wharf Island | Sanctuary | 0.11 | 1987 |
| 100 | White Cliff Island | Sanctuary | 0.47 | 1987 |
| Total Area | | | 1594.78 | |
| Lakshadweep | | | | |
| 1 | Pitti | Sanctuary | 0.01 | 2002 |
| 2 | A. Attakoya Thangal Marine | Conservation Reserve | 40.00 | 2019 |
| 3 | Dr. K.K. Mohammed Koya Sea Cucumber | Conservation Reserve | 172.59 | 2019 |
| 4 | P.M. Sayeed Marine Birds | Conservation Reserve | 57.46 | 2019 |
| Total Area | | | 270.06 | |
| Grand Total Area | | | 1864.84 | |

Source: Wildlife Centre of India, 2020.

Table 4. Top Nations with Largest EEZ's Failing to Value Marine Conservation via MPA's 2020.

| Nation | EEZ size km ² | Location | % of EEZ as MPA coverage | No of MPA's |
|--------|--------------------------|----------|--------------------------|-------------|
|--------|--------------------------|----------|--------------------------|-------------|

| | | | | |
|-----------------------|-------------|----------------------|-------|----|
| Haiti | 123,376,544 | Caribbean Sea | 20.75 | 10 |
| Papua New Guinea | 2,392,610 | South Pacific Ocean | 0.18 | 51 |
| Solomon Islands | 1,595,838 | South Pacific Ocean | 0.1 | 89 |
| Madagascar | 1,199,964 | South Indian Ocean | 0.58 | 49 |
| Yemen | 544,760 | North Indian Ocean | 0.22 | 3 |
| Myanmar | 532,775 | North Indian Ocean | 0.08 | 11 |
| Angola | 501,770 | South Atlantic Ocean | 0 | 0 |
| Liberia | 246,122 | Atlantic Ocean | 0 | 0 |
| Tanzania | 241,568 | South Indian Ocean | 2.34 | 28 |
| Ghana | 235,349 | North Atlantic Ocean | 0 | 0 |
| Nigeria | 181,654 | Atlantic Ocean | 0 | 0 |
| Cote de Ivorie | 173,684 | Atlantic Ocean | 0 | 0 |
| Comoros | 164,653 | Indian Ocean | 0.03 | 5 |
| Sierra Leone | 159,410 | Atlantic Ocean | 0 | 0 |
| Senegal | 157,352 | Atlantic Ocean | 1.09 | 12 |
| Mauritania | 155,352 | Atlantic Ocean | 4.13 | 2 |
| Sao Tome and Principe | 131,397 | Atlantic Ocean | 0 | 0 |
| Kenya | 116,942 | Indian Ocean | 0.66 | 11 |
| Guinea Bissau | 105,836 | Atlantic Ocean | 8.71 | 6 |