

Are we missing important areas in pelagic marine conservation? Redefining conservation hotspots in the ocean

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Table S1.

Synthesis of Gilman et al. (2011) review that shows the metrics incorporated into 20 global and regional conservation priority setting schemes in the terrestrial (green columns) and marine (blue columns) and both environments (pink columns). The synthesis shows that biodiversity is the dominant metric used in both systems; productivity metrics (abundance and biophysical features) are incorporated in less than half of the conservation schemes currently used in the marine system.

Examples of Priority Setting Conservation Schemes (data from Gilman et al. 2011)

Metrics Incorporated into Priority Setting Process	Species Diversity					Biological Productivity	
	Biodiversity	Endemism	Rarity	Loss of Habitat	Endangerment/Threatened	Abundance	Trophic/ Biophysical Processes
Important Plant Areas	X				X		
Important Sites for Freshwater Biodiversity		X			X	X	
Megadiversity Nations	X	X					
Association of Southeast Asian Nations (ASEAN) Heritage Parks	X						
Western/Central Asian Site Network for the Siberian Crane and other Waterbirds			X	X			

Metrics Incorporated into Priority Setting Process	Species Diversity					Biological Productivity	
	Biodiversity	Endemism	Rarity	Loss of Habitat	Endangerment/Threatened	Abundance	Trophic/Biophysical Processes
Ecologically or Biologically Significant Marine Areas in Need of Protection in Open-Ocean Waters and Deep-Sea Habitats	X		X		X		X
Endemic Bird Areas		X	X		X		
Particularly Sensitive Sea Areas		X	X	X		X	
Vulnerable Marine Ecosystems			X				
OSPAR Network of Marine Protected Areas	X				X		
Specially Protected Areas of Mediterranean Importance	X		X		X		
System of Networked Protected Marine Turtle Habitat Sites in the Indian Ocean – South-East Asian Region			X	X		X	
Alliance for Zero Extinction Sites			X		X		
Biodiversity Hotspots	X	X		X			
Important Bird Areas¹		X				X	
Key Biodiversity Areas⁴		X			X	X	
Ramsar List of Wetlands of International Importance	X		X		X	X	X
World Heritage List					X		
World Network of Biosphere Reserves	X						
Natura 2000			X		X	X	