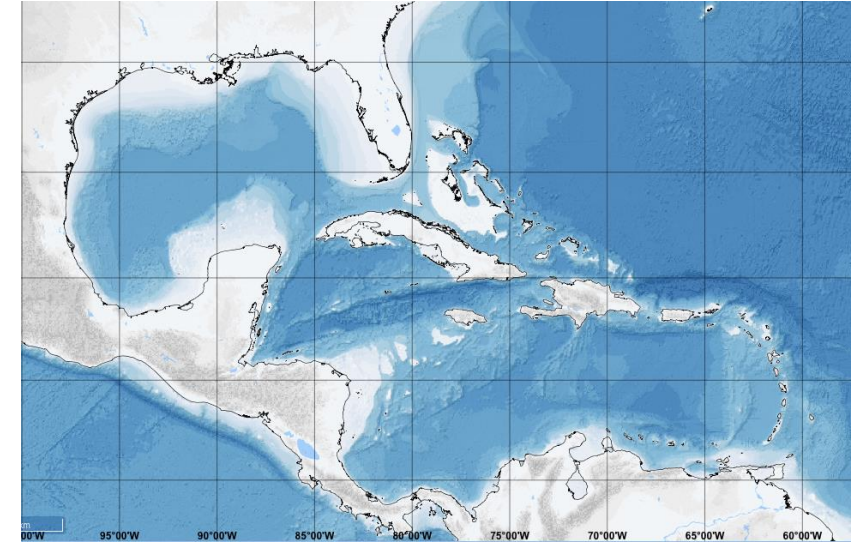


## Session 2

# MSP Capacity Development Challenges

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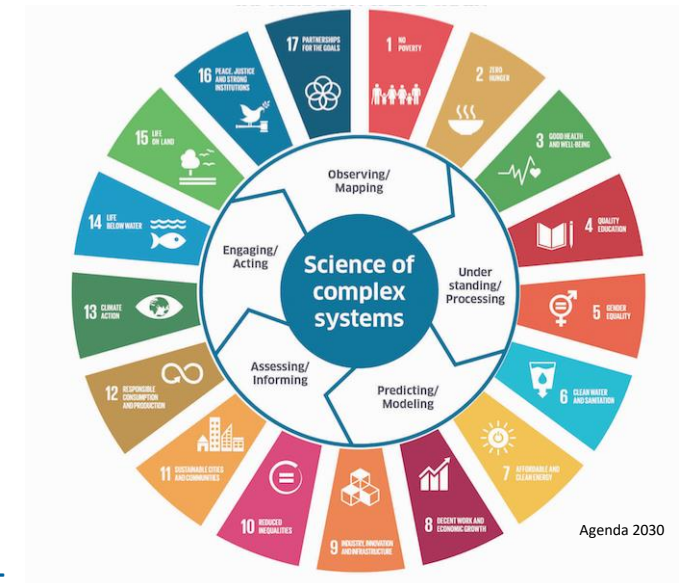


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# Importance



- MSP as tool to balance commercial, economical and recreational user needs including biodiversity protection
  - multiple users
  - informed and coordinated decisions
  - sustainable use of resources
  - reduce conflict between stakeholders
- MSP on the rise over 3 decades
- WTA and Caribbean region
  - several initiatives
  - CD and academic research on MSP limited
- CD major priority in the UN Decade of Ocean Science for Sustainable Development
  - disparities persist
  - challenges to achieving the Decade's stated goal of eradicating inequality
  - CD WG IOCARIBE and UN Decade regional endorsed project



# Activities and use of resources

## moving further offshore and deeper in the region



Modificado de Mengernick *et al* 2014

	Country	Application	CD efforts	Implementation limitations- CD	Challenges and constraints	Author
<b>Nations</b>						
	Anguilla	Important foraging areas of seabirds			Need to work both nationally and across territorial boundaries	Soanes et al., 2006
	Barbuda	MSP regulations; social, ecological, geographic, and legal case study	MSP enforcement, boat operations and safety, ecological and fisheries monitoring, and fisheries market development	Build political will through documenting stakeholder and expert perspectives	Implementation post hurricane Irma, 2017	Johnson et al., 2020
	Belize	MPA known to use zoning				UNESCO, 2006
	Belize		Improvement in environmental quality and better control of maritime activities and infrastructure	Lack of evaluative assessments on the material consequences of MSP initiatives	Begin a process of legislatively managing of its coastal and marine waters	McAteer et al., 2022
	Colombia	improve the Sustainability of the Seaflower MPA	Adoption of effective governance in the protection of the marine environment.	Seek international cooperation	Increase to at least double in shipping traffic and effects on MPA	Rueda, 2017
	Jamaica	Developing ecosystem-based information	suite of accompanying activities to support implementation, revisions to existing regulations and policies		methodologies for achieving holistic ecosystem-based information are lacking	Baldwin et al., 2015
	Mexico	MPA, known to use zoning				UNESCO, 2006
	Montserrat	Conservation, zoning for data-limited small islands	Scientific support on-site and guidance, setting clear objectives, working within data limitations, making data accessible, choosing and using appropriate decision support tools		Practical guidance for stakeholder driven, scientifically informed MSP processes in small island and data-limited contexts	Flower et al., 2019
	The Netherlands Antilles	MPA, known to use zoning				UNESCO, 2006
	St. Croix, US Virgin Islands	MPA shortcomings	MPA planning	important and powerful actors such as the military or well-financed industries may resist integrated MPS	MPA in broader MSP and ocean zoning efforts	Agardy et al., 2011

	Country	Application	CD efforts	Implementation limitations-CD	Challenges and constraints	Author
<b>Region</b>						
	<b>Small Island Developing States (SIDS)</b>	SDG14-other SDGs, ecosystem services & MSP			Ecosystem services helping connect different SDGs	Ntona & Morgera, 2018
	<b>members of the Organization of Eastern Caribbean States (OECS)</b>		implementation frameworks with roadmap and schedule, strategies for capacity development and financing	Long term in ongoing capacity constraints resulting in the use of extra-regional planning experts	Human resource capacity constraints in knowledge and technical skills	Mahadeo, 2022
	<b>Caribbean coastal</b>	Caribbean coral reef			planning for the marine biogeography and conservation	Ding 2022
	<b>Caribbean islands</b>	Application and Implications for Fisheries and Marine Resource Management	at different stages of MSP and marine zoning development and implementation		strong political will to back management and enforcement actions, need to have a strategic long-term roadmap, take into account land-sea interactions	Pomeroy et al., 2014
	<b>Wider Caribbean</b>	sustaining human use and conserving the coral reefs and associated ecosystems			encompass the large geographic scales of the ecological processes and human impacts	Ogden, 2010
	<b>SW Caribbean</b>	the seafloor marine biosphere reserve, conservation and socioenvironmental justice	MPA disruption and reconfiguration by the international ocean regimes governing the oceans	MPAs - territorial jurisdiction compromises, social - environmental justice link; inclusion of indigenous legalities equity and sustainability in ocean governance	Socio- environmental territorial conflicts aggravated by contradictions of international and state regimes	Garcia Chaves, 2022
	<b>N Caribbean</b>	Identify Potential Areas for the Harnessing of Ocean Currents	Develop potential energy generation project	Opportunity for socioeconomic development	ensuring environmental friendliness and economic viability	Bello-Ontiveros et al., 2022
	<b>N Caribbean and Central America</b>	Universities in building adaptive capacities for sustainability			Capacity building take into account regional institutional contexts in which universities are embedded	Miquelajauregui et al., 2022
	<b>Gulf of Mexico and Caribbean Sea</b>	plan completed and approved in 2013		resource constraints or sociopolitical and “realpolitik” factors	political to institutional, social, economic, scientific, and environmental sources	Frazão Santos et al., 2019

# Questions

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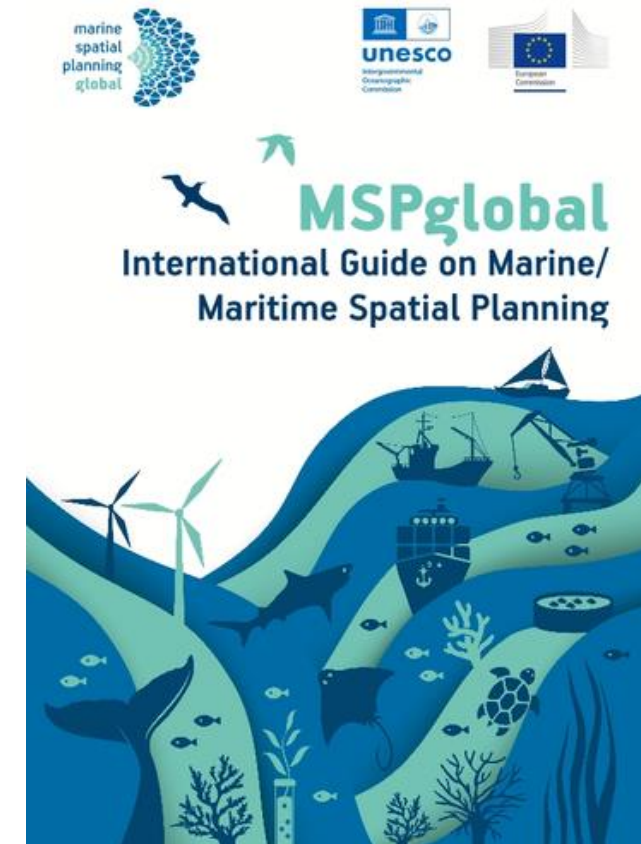


- What are the motivations behind MSP capacity development in the region?
- What partnerships can enable MSP capacity development and fill its needs?
- How should the outcomes of MSP capacity development be measured?
- How far national governments can advance to institutionalize MSP to help implement the plans supported by capacity development?

# Opportunities



- Developing national capacity for MSP is important
- Future direction is uncertain by constraints of
  - Human resource deficits
  - Data limitations
  - Long-term funding to implement future MSP cycle
  - Lack of MSP legislation
  - Standardization of governance
- MSP priority for IOCARIBE CD WG
  - Join UN Decade regional endorsed project



Thank you! ¡Gracias! Merci !