Management Procedures @ the tRFMOs

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THE OCEAN FOUNDATION

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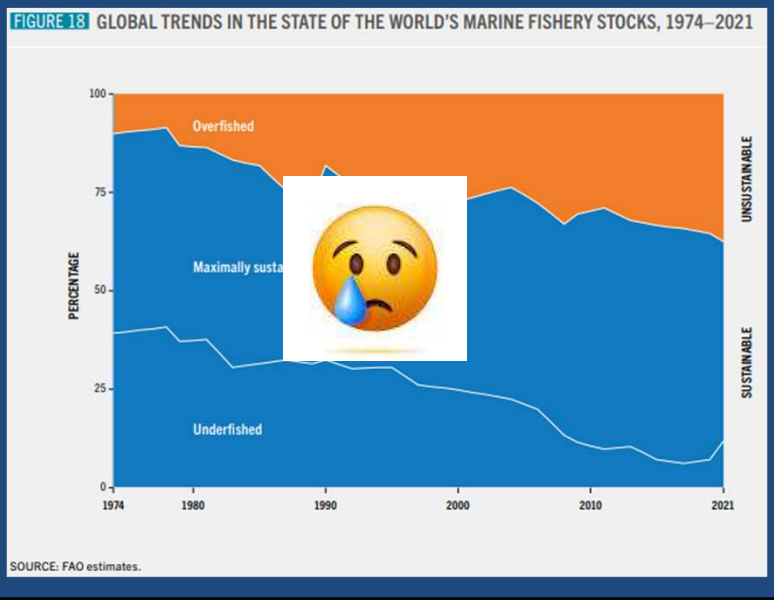
STATUS OF MARINE FISHERIES



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Status of Tuna Fisheries

- 66% sustainably fished in 2019
- 87% sustainably fished in 2021

"Globally, the tuna RFMOs have been making a concerted effort to use **management strategy evaluations** to provide advice for rebuilding and keeping stocks at biomass levels above the maximum sustainable yield, with positive results." FAO, 2024.

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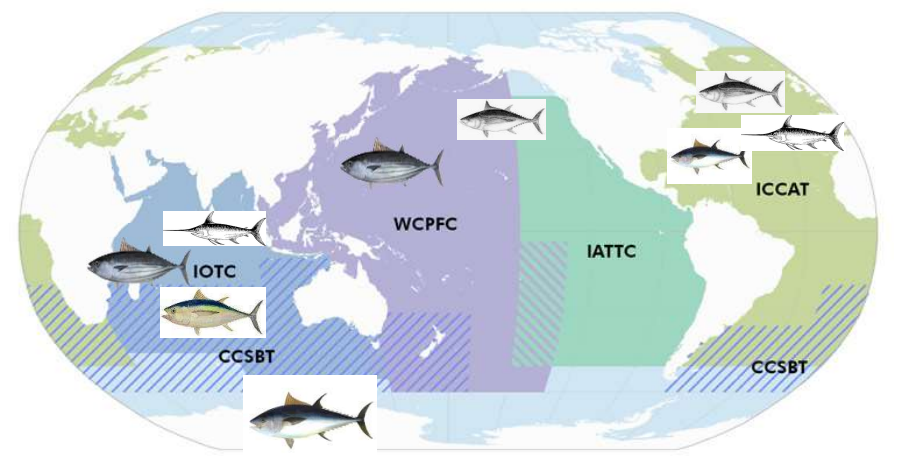
Management Procedures @ the tRFMOs: In Place



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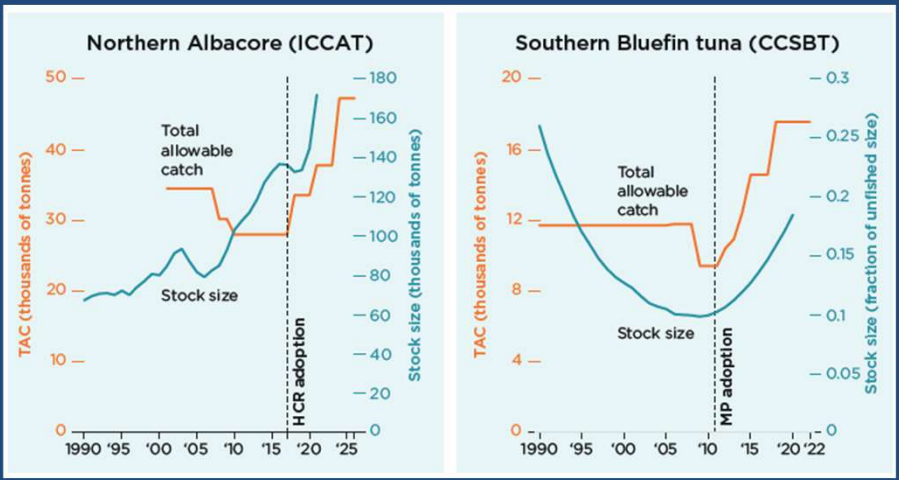
MP Successes



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MP Comparison

tRFMO	Adoption	Stock	Target	Limit	HCR	Stability	Implementation
CCSBT	2011	SBT	30%SSB0	24%SSB0	Empirical	100-3000t	Yes - TAC
IOTC	2016/2024	SKJ	40%SB0	20%SB0	Model-based	+15%/-10%	No - plan by 2026
ICCAT	2017/2021	NALB	Bmsy, 80%Fmsy	40%Bmsy	Model-based	+25%/-20%	Yes - TAC
IOTC	2022	BET	Bmsy, Fmsy	50%Bmsy, 130%Fmsy	Model-based	±15%	Yes - TAC?
ICCAT	2022	ABFT	dBmsy	40%dBmsy	Empirical	+20%/-35%	Yes - TAC
WCPFC	2022	SKJ	~50%SB0	20%SB0	Model-based	±10%	Yes - TAE?
IATTC/WCPFC	2023	NALB	F45%	14%SB0	Model-based	±20%	No - plan by 2025
IOTC	2024	SWO	Bmsy, Fmsy	40%Bmsy, 140%Fmsy	Empirical	+15%/-10%	2026
ICCAT	2024	SWO	Bmsy	40%Bmsy	Empirical	Steps	Yes - TAC

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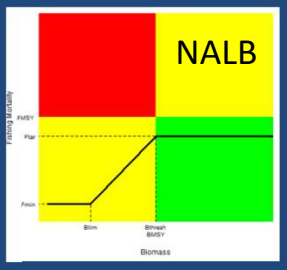
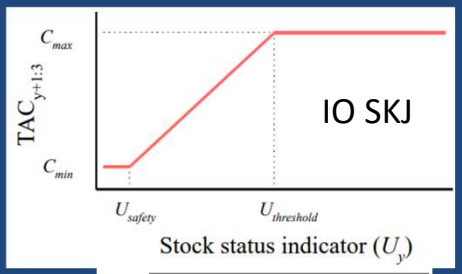
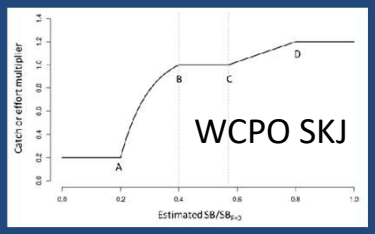
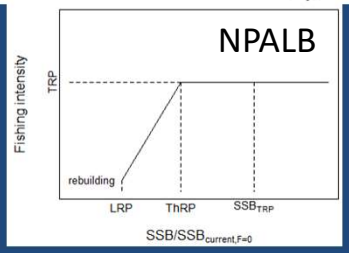
MP Comparison









SBT $TAC_{y+1} = TAC_y\left(1 + \Delta_y^{cpue} + \Delta_y^{ck}\right) \times \Delta_y^{gt}$

IO BET $TAC_{new} = B_y(1 - exp(-F_{mult} \times HCR_{mult} \times F_{MSY}\ ratio))$

NSWO $TAC_{y+1} = TAC_{base}\Delta_{TAC}$

IO SWO $TAC_{mult} = 1 + k_a Sl + k_b D$

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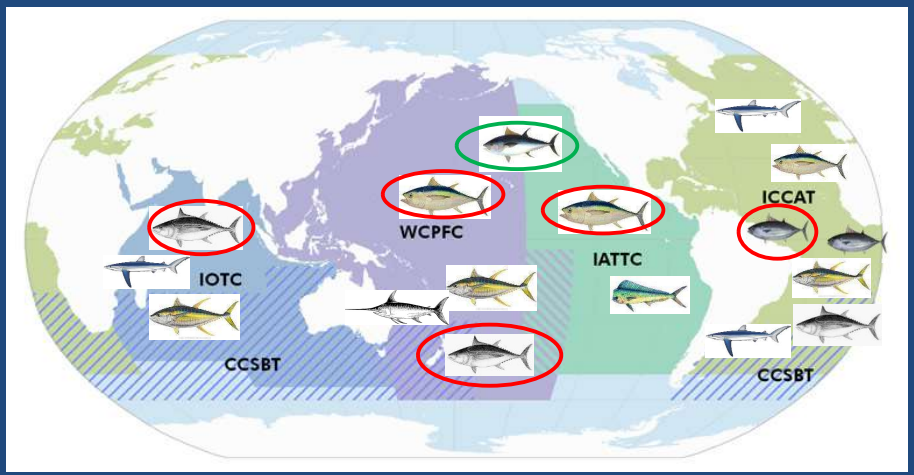
Management Procedures @ the tRFMOs: In Development



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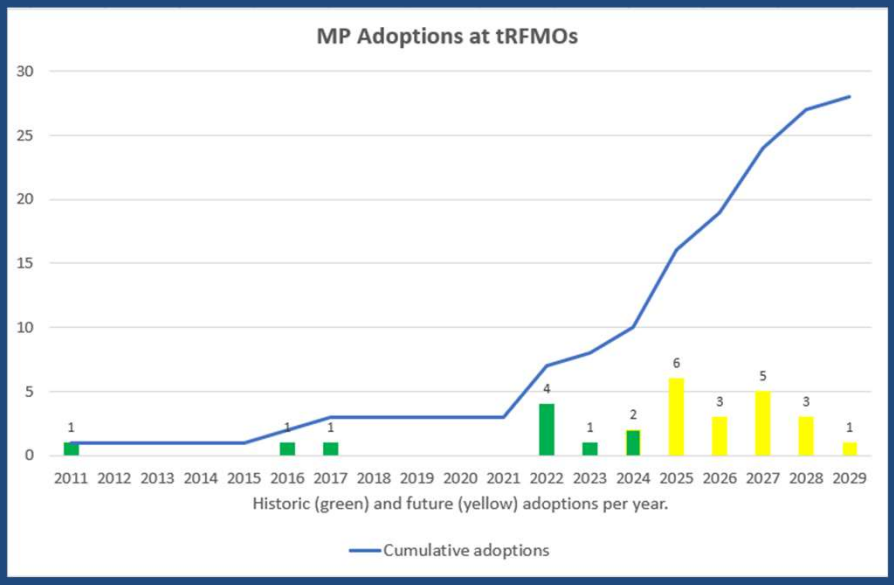
MP Expansion



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