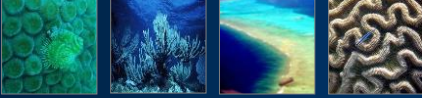


NOAA Coral Reef Conservation Program

MPAs and Sustainable Fisheries



Jason Philibotte
NOAA Coral Reef Conservation Program

1

Defining 'Sustainable Fisheries'

- Write down your definition of sustainable fisheries for your MPA (3 min)
- Break into small groups (3-5 people) and discuss each of your definitions, record the similarities and differences. (10 min)
- Report out to the larger group. (3 min each, 15 min).
- Wrap-up (2 min)

2

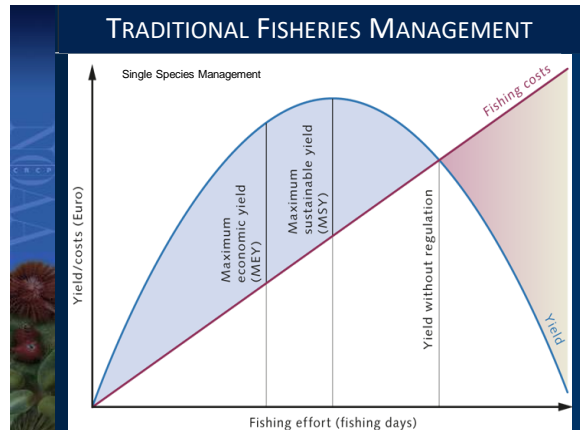
NOAA Coral Reef Conservation Program

MPAs as a Tool for Sustainable Fisheries

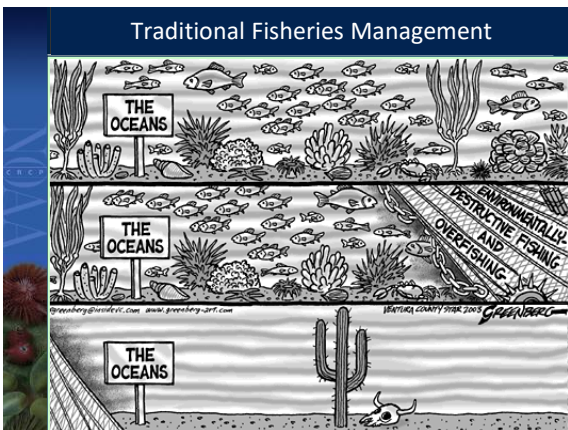


Jason Philibotte
NOAA Coral Reef Conservation Program

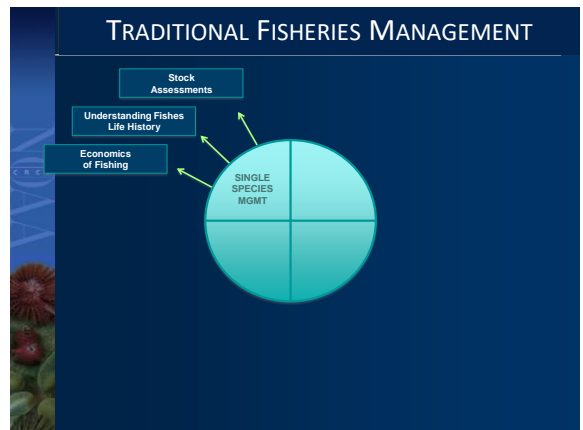
3



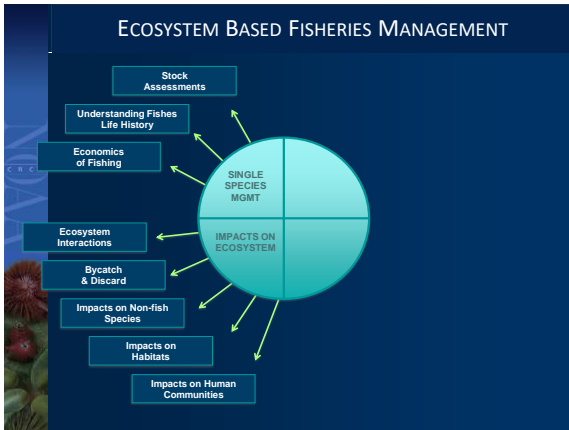
4



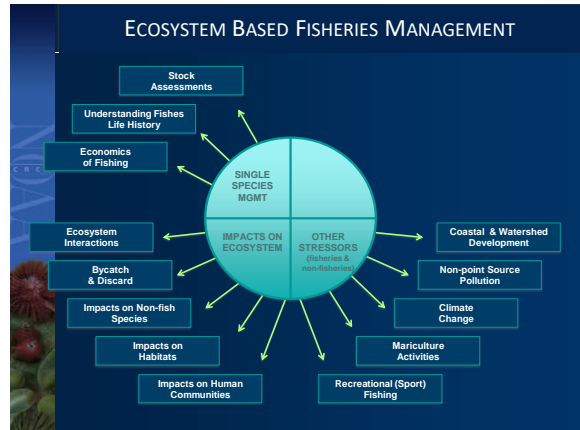
5



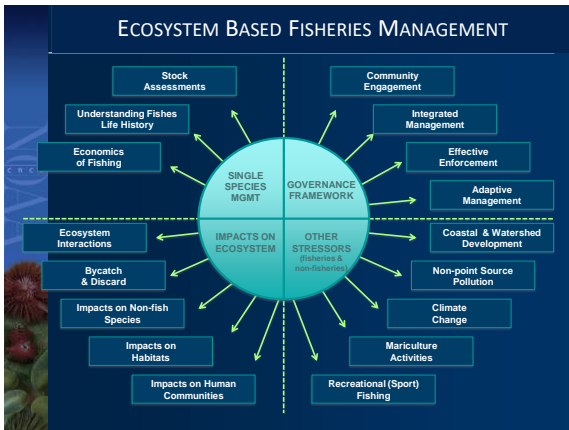
6



7



8



9



11

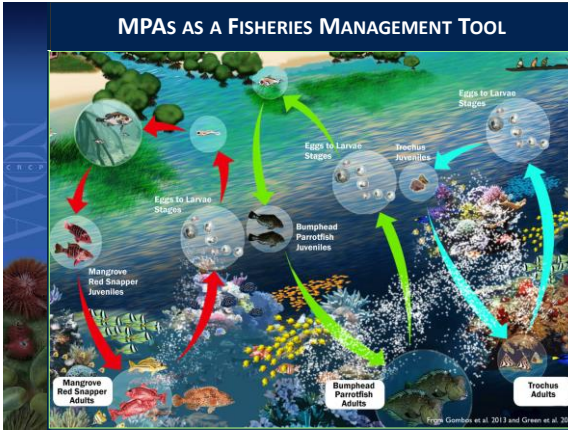
MPAs AS A FISHERIES MANAGEMENT TOOL

What are the benefits of using MPAs to manage fisheries at the ecosystem level?

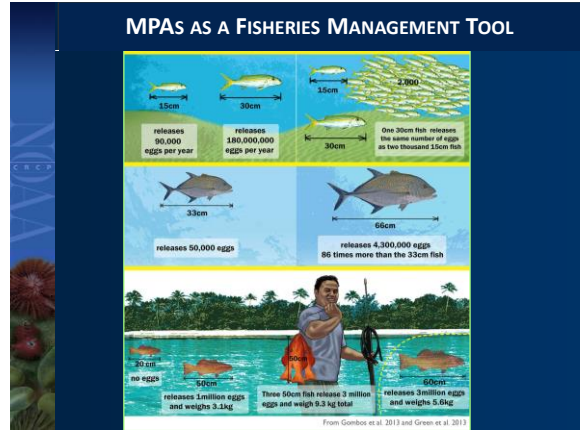
12

- ### MPAs AS A FISHERIES MANAGEMENT TOOL
- Benefits:**
- Protection from overfishing
 - Protection of biodiversity
 - Replenishment or recovery of fish stocks
 - Export of eggs, larvae and adults
 - Protection of threatened or endangered species
 - Protection from habitat damage
 - Protection and/or recovery of essential fish habitat
 - Protect fisheries resources during critical stages such as spawning
 - Build resilience in the face of climate change
 - Sustain livelihood opportunities
 - Increased food security

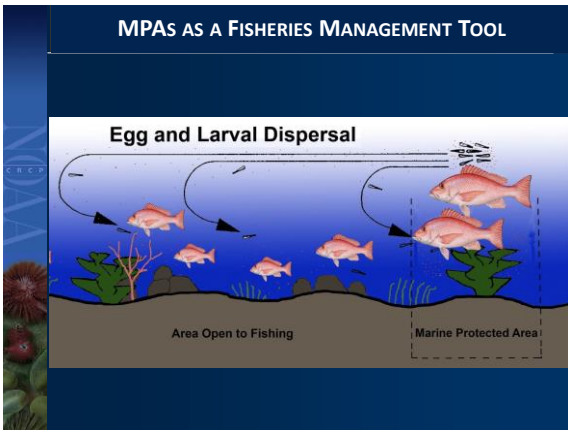
13



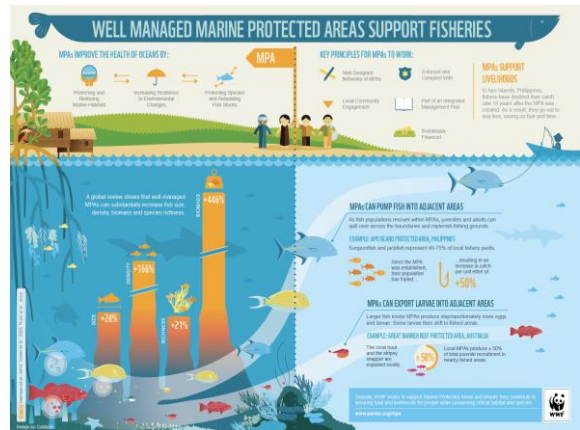
14



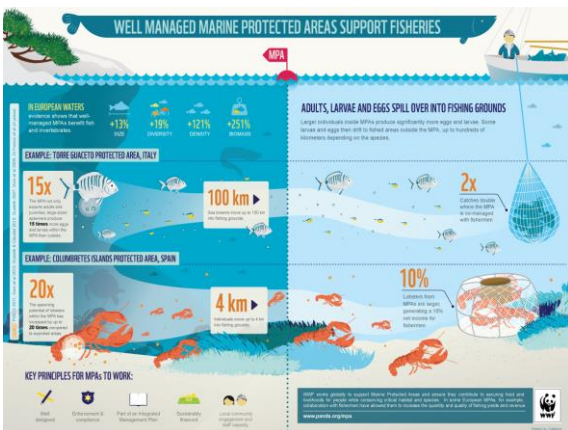
15



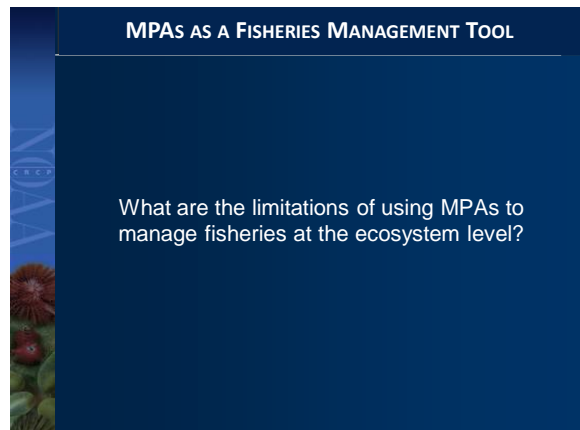
16



17



18



19

LIMITATIONS OF MPAs IN FISHERIES MANAGEMENT

Impacts to stakeholders:

- Does not impact all stakeholders equally
- Takes time for fishers to see benefits
- Lack of buy-in if not involved in the process
- Enforcement and compliance issues

20

LIMITATIONS OF MPAs IN FISHERIES MANAGEMENT

Not all species may benefit from marine protected areas:

- Prey species of the larger, predatory fish
- Species that were not overfished outside the reserve
- Highly mobile species with large home ranges
- Long-lived, slow-recruiting species

21

LIMITATIONS OF MPAs IN FISHERIES MANAGEMENT

Larger scale environmental issues:

- Climate change – beyond bleaching?
- Storms /natural hazards
- Invasive species
- Land-based sources of pollution
- Unplanned impacts – oil spills, ship groundings

22

STAKEHOLDER ENGAGEMENT

23

Our National System of Marine Protected Areas

Working together for...

Healthy Ecosystems Cultural Heritage Sustainable Production

THANK YOU

24