An underwater photograph showing a diver in the upper left, swimming towards the right. Below the diver is a large field of coral farming structures, which are rectangular frames on the seabed containing coral. The water is clear and blue. A fish is visible on the right side of the frame.

# Ocean Solutions: Transforming Ocean Management

# INTEGRATED OCEAN MANAGEMENT

## BUSINESS PLANNING TEAM



**Gerald Miles**  
Asia Pacific



**Kerry Crisley**  
MRC



**Trina Leberer**  
Micronesia



**Alison Green**  
Asia Pacific



**Vera Agostini**  
Global Marine



**Rob Brumbaugh**  
Global Marine



**Susan Anderson**  
Latin America



**Marianne Kleiberg**  
Caribbean



**Alex Ridley**  
Philanthropy



**Philip Kramer**  
Caribbean



**Diana Bermudez**  
Mexico



**Kacky Andrews**  
North America



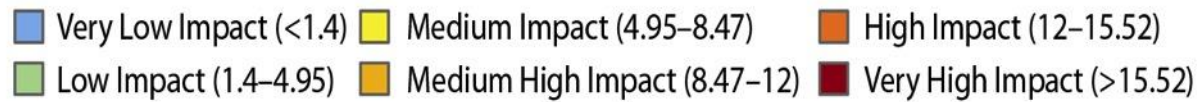
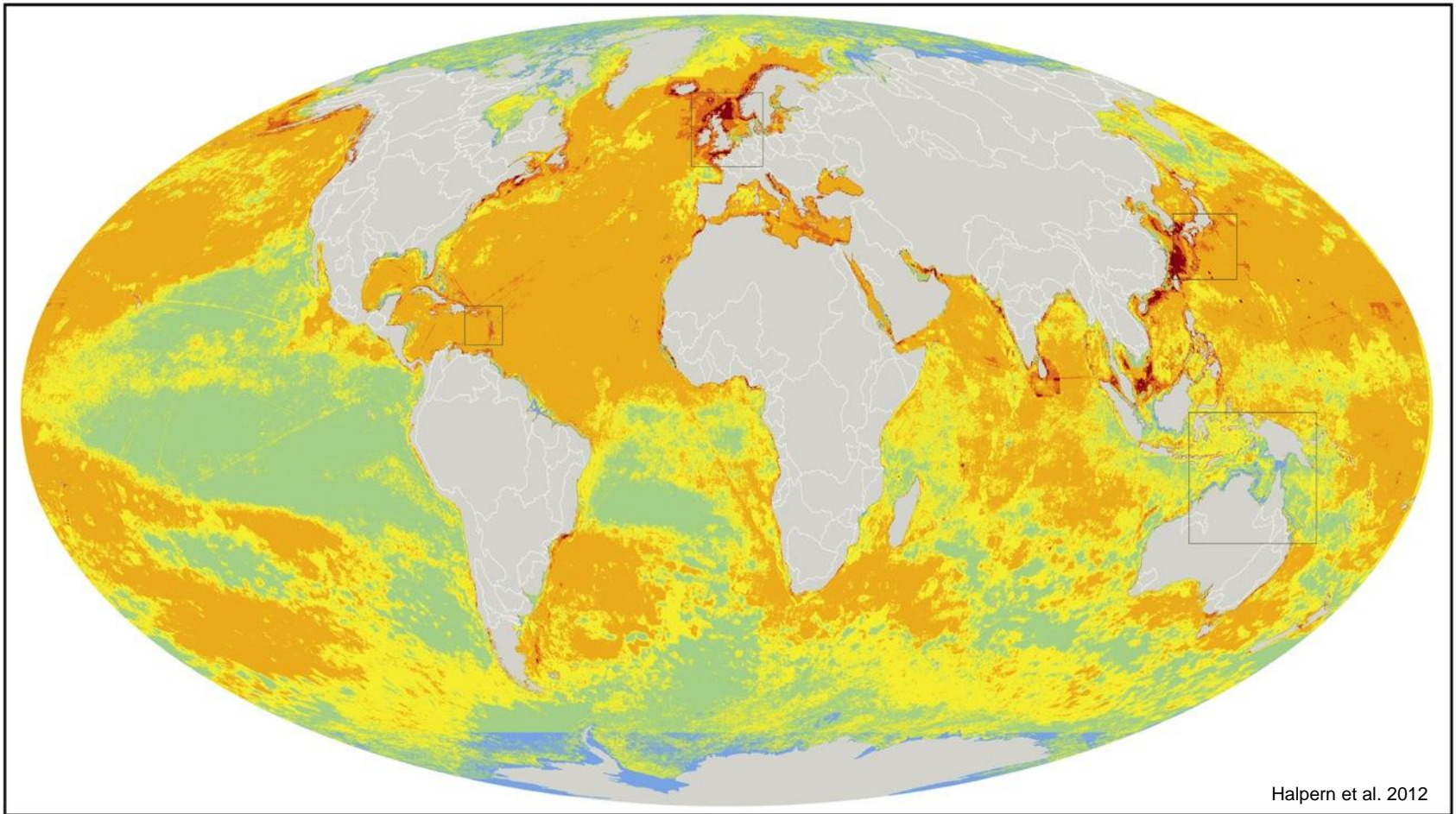
**Timm Kroeger**  
Central Science



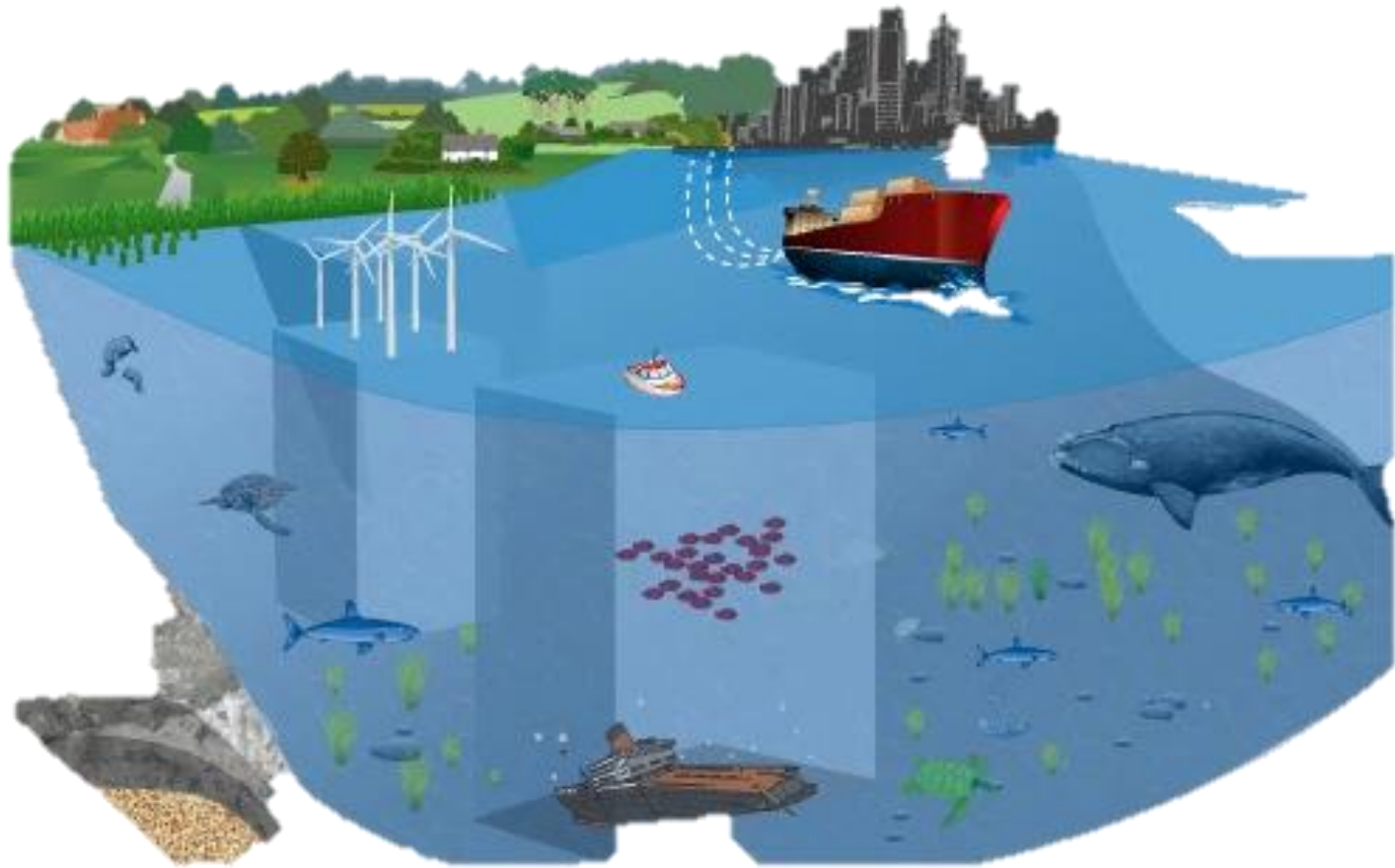
**Imen Meliane**  
IGR



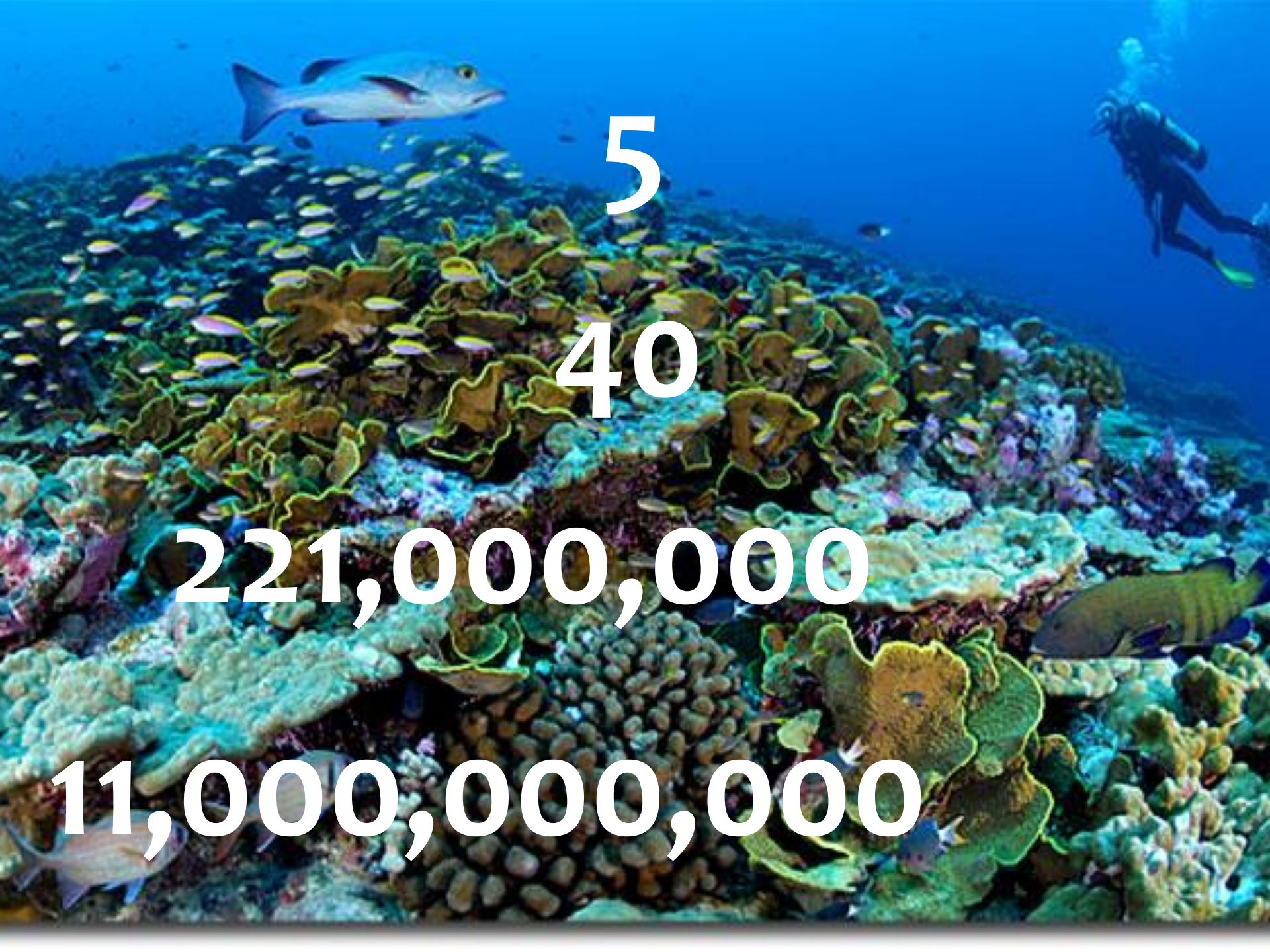
# BIG HUMAN 'FOOTPRINT' ON THE OCEANS



# CHALLENGE: CONSERVATION IN A CROWDED WORLD







5

40

221,000,000

11,000,000,000

# OCEAN SOLUTIONS

## SCIENCE: Mapping Ocean Wealth

Linking Habitats to Benefits

Global Ecosystem Services

Links to Development Agendas



## POLICY: Shaping Global and Regional Policy Initiatives

Global Partnership for Oceans

Regional Challenges and Ocean Partnerships



## MANAGEMENT: Advancing Regional Ocean Governance

Integrated Sea Use Plans / MSP

Sustainable Financing



## ACTION: Demonstrating Habitat Protection and Restoration

Site-based action to ensure local benefits for people and nature



# A SHIFT TOWARD PEOPLE

NOT AWAY FROM NATURE



# FOCUSING ON BENEFITS

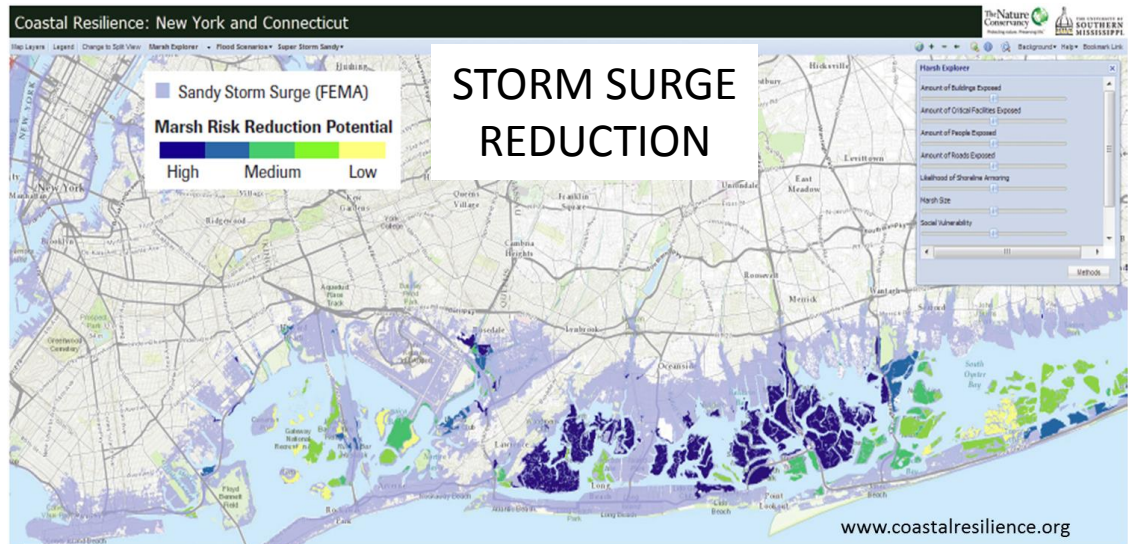
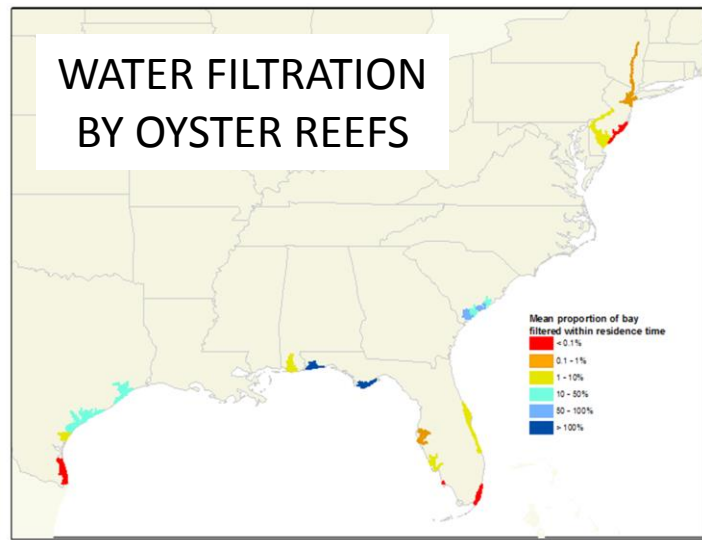
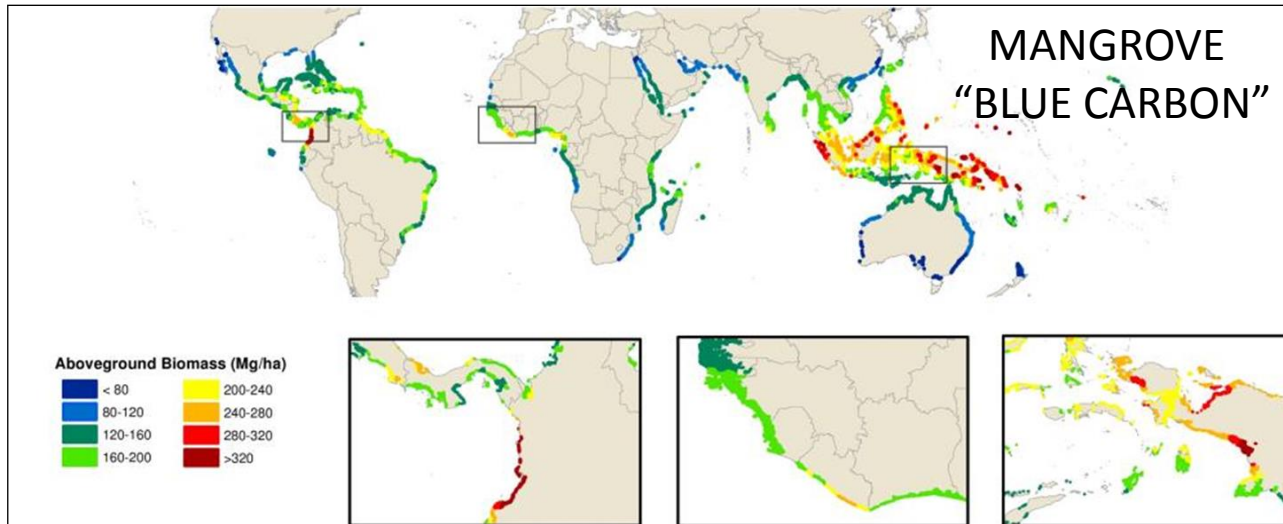
VALUE INCREASES NEAR PEOPLE





# MAPPING OCEAN WEALTH

Nature's value is not evenly distributed





# INTEGRATED OCEAN MANAGEMENT

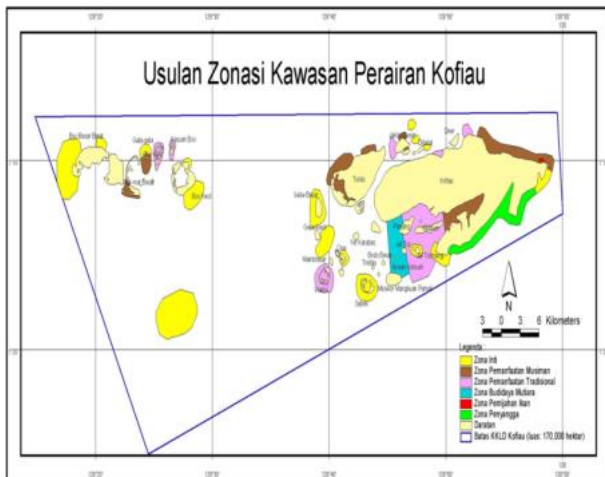
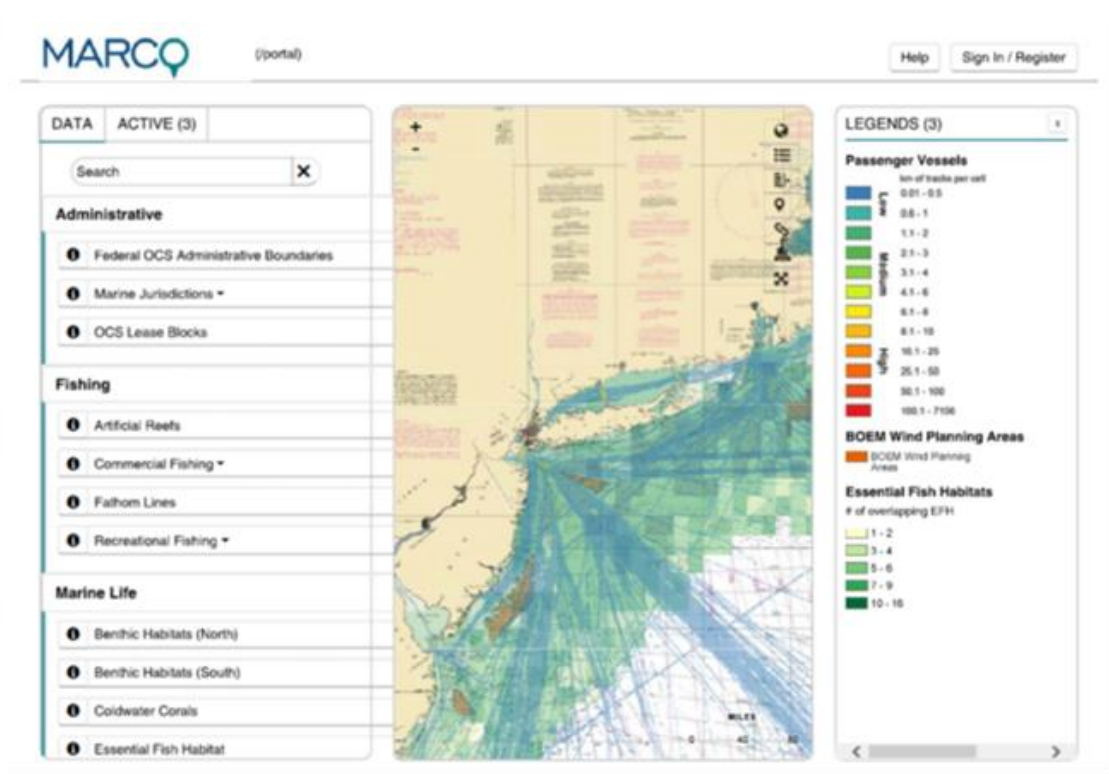
LEVERAGING THROUGH POLICY  
AND PARTNERSHIPS





# INTEGRATED OCEAN MANAGEMENT

REGIONAL COMMITMENTS



# INTEGRATED OCEAN MANAGEMENT

## INTEGRATED SEA USE PLANS





# INTEGRATED OCEAN MANAGEMENT

## SITE- BASED ACTION

*that delivers conservation benefits to local communities and builds new constituencies*





# GLOBAL PARTNERSHIP FOR OCEANS



# 10 Year Targets

## FISHING & AQUACULTURE

- Significantly increase global fish production
- Reduce open access fishing
- Increase sustainable aquaculture
- Rebuild overfished stocks

## HABITAT & BIODIVERSITY

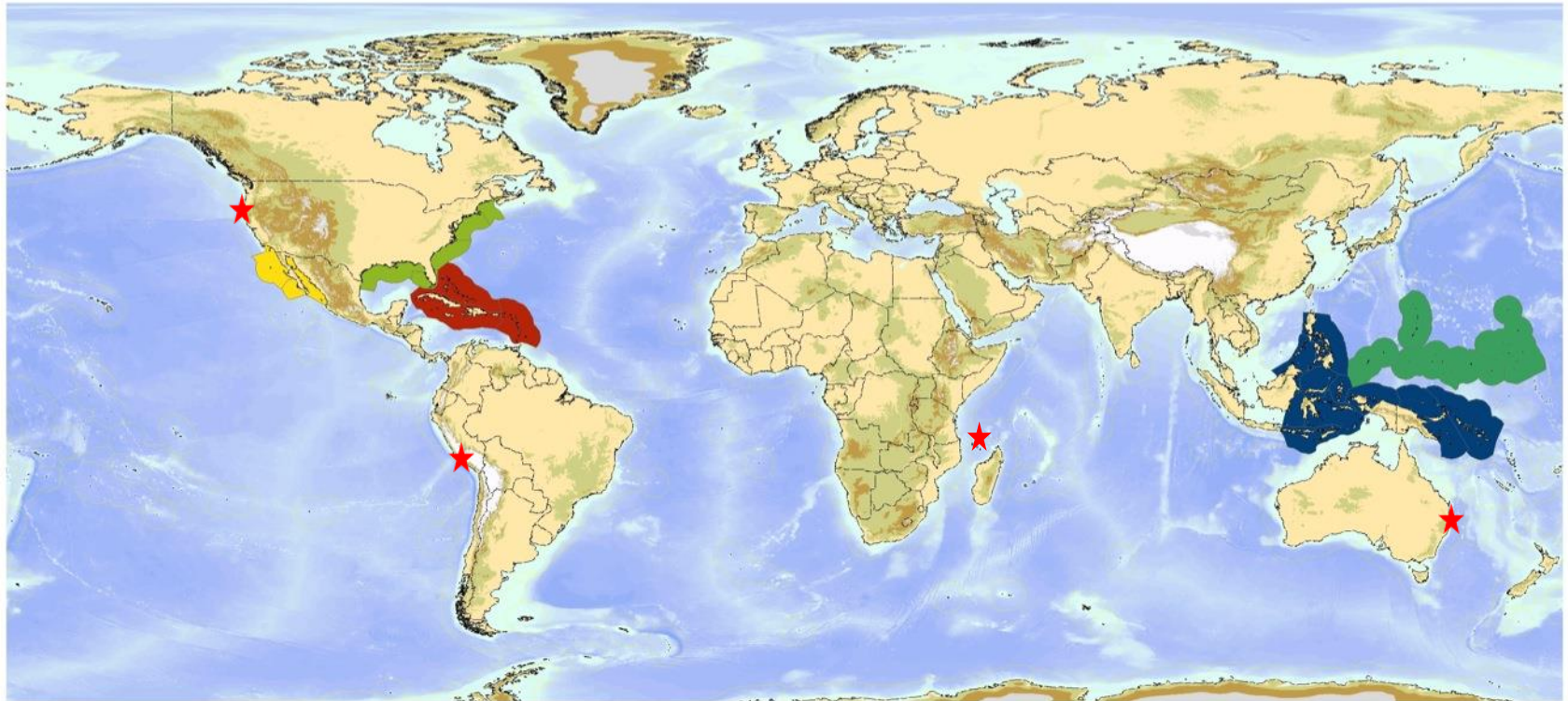
- Halve current rate of habitat loss
- Increase managed & protected areas to 10%
- Conserve and restore natural coastal habitats

## POLLUTION

- Reduce marine debris, waste water, excess nutrients
- Support Global Program of Action

# INTEGRATED OCEAN MANAGEMENT

## Priority Marine Ecoregions



### Priority Marine Ecoregions

-  Baja Marine Initiative
-  Caribbean
-  Coral Triangle
-  Micronesia
-  U.S. Atlantic & Gulf Coast

### Priority Statistics

Total Ecoregions	26
Area (km <sup>2</sup> )	2,592,897
Population (2000)	221,330,552
Coastline (km)	241,945
Coral reefs (km <sup>2</sup> )	125,013
Mangroves (km <sup>2</sup> )	43,787


★ "Pipeline"  
Oceanscapes



**USAID**  
The Nature Conservancy  
*restoring nature. improving life.*


# Marine Zoning in Saint Kitts and Nevis

## A Path Towards Sustainable Management of Marine Resources



Report by  
Vera N. Agostini, Shawn W. Margles, Steven R. Schill, John E. Knowlton

### Best Practices for Propagation and Population Enhancement

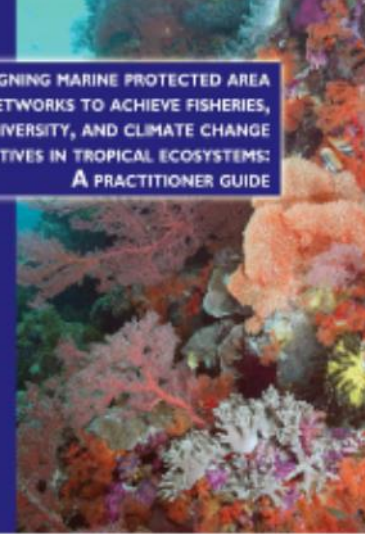


# CARIBBEAN *Acropora*

## RESTORATION GUIDE



### DESIGNING MARINE PROTECTED AREA NETWORKS TO ACHIEVE FISHERIES, BIODIVERSITY, AND CLIMATE CHANGE OBJECTIVES IN TROPICAL ECOSYSTEMS: A PRACTITIONER'S GUIDE




### HISTORICAL ECOLOGY WITH REAL NUMBERS: PAST AND PRESENT EXTENT AND BIOMASS OF AN IMPROVED ESTUARINE HABITAT


Patrick S. E. Donohue<sup>1</sup>, Mark D. Spalding<sup>2</sup>, Wendy Hahn<sup>3</sup>, Loren D. Connor<sup>4</sup>, Steve D. Sandwell<sup>5</sup>, Steve Coakley<sup>6</sup>, Jonathan M. Greenwood<sup>7</sup>, Raymond Gettel<sup>8</sup>, Mark LeDuc<sup>9</sup>, Kay McGowan<sup>10</sup>, William Riedinger<sup>11</sup>, Jennifer L. Rowland<sup>12</sup>, Sean R. Powers<sup>13</sup> and William H. Swenson<sup>14</sup>

<sup>1</sup>Department of Geology and Coastal Science, The University of Maryland System, Department of Geology, College Park, Maryland, 20742, USA  
<sup>2</sup>Department of Biology, University of Maryland System, 10100 University Circle, College Park, Maryland, 20742, USA  
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<sup>9</sup>Department of Biology, University of Maryland System, 10100 University Circle, College Park, Maryland, 20742, USA  
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<sup>12</sup>Department of Biology, University of Maryland System, 10100 University Circle, College Park, Maryland, 20742, USA  
<sup>13</sup>Department of Biology, University of Maryland System, 10100 University Circle, College Park, Maryland, 20742, USA  
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# Great Bay Restoration Compendium



Restoration of Great Bay, New York



# MICRONESIANS IN

## Lessons from a Conservation Land



Author: [Name obscured]

### CORAL TRIANGLE INITIATIVE

## Oyster Management Handbook

A publication supporting the Coral Triangle Initiative on Good Health, Fisheries and Food Security (CTI-GFF)



Logos: NOAA, The Nature Conservancy, FAO

### RY BRIEF

# CURING THE FUTURE OF MANGROVES

Naimee Van Leuven, Mark Spalding, Daniel M. Alongi, Mami Katsuma, Miguel Cússens-Godí, Zafar Adeel



Logos: The Nature Conservancy, FAO, and other partners.

# What does success look like in 2020?

- Energy production, aquaculture, shipping and fishing practices will be conducted in ways and in places that minimize impacts on the most important marine habitats
- Habitat protection and restoration efforts will be a policy priority for ocean nations and be well supported financially
- Businesses and governments will be active champions of smart use of ocean resources that protects and maintains key ocean wealth/ecosystem services