

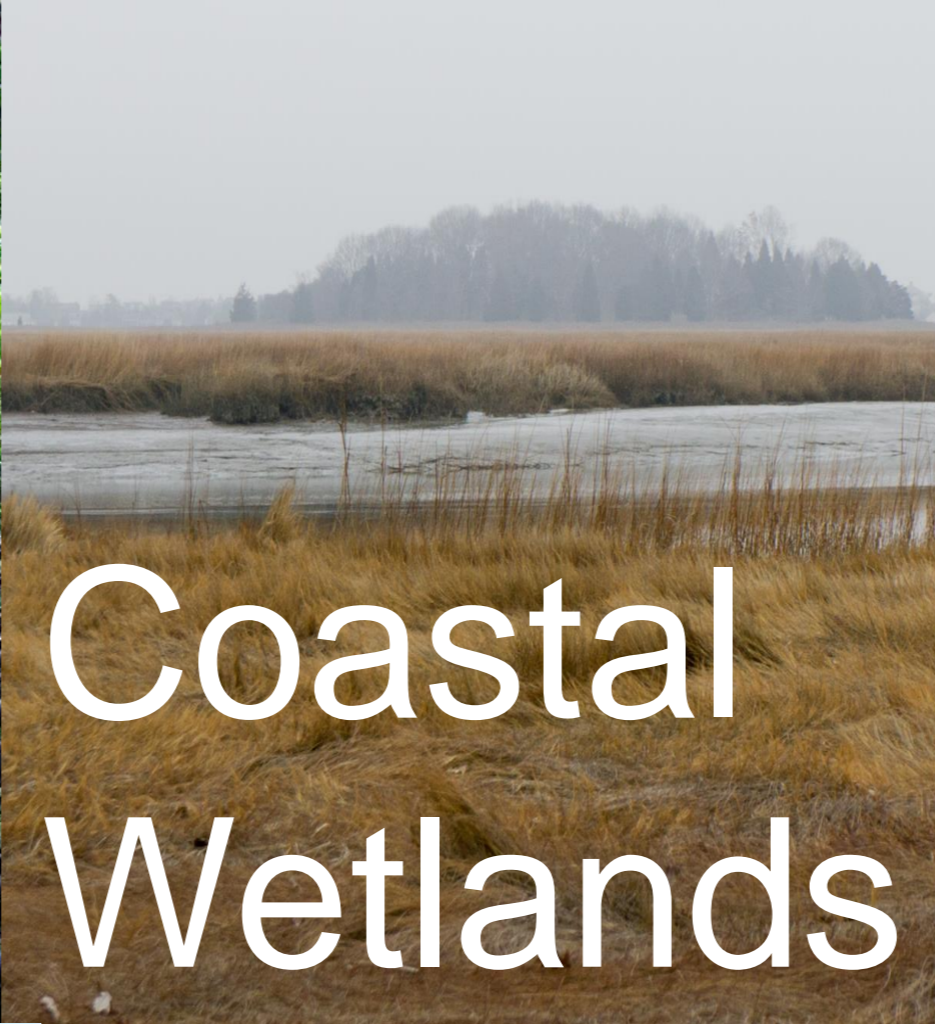


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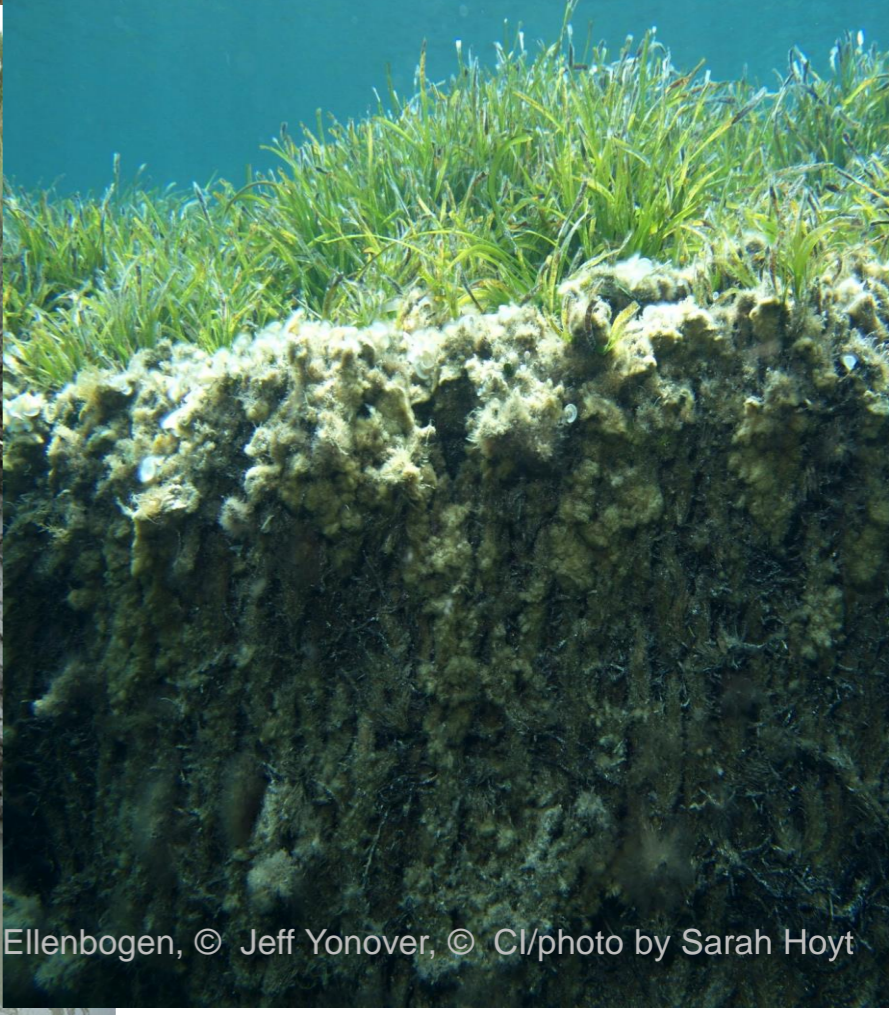
the
**BLUE
CARBON**
initiative

Coastal Marine Ecosystems: Current conservation and restoration approaches

Dr. Emily Pidgeon
Conservation International



Coastal Wetlands



Coastal Ecosystems – critical ecosystem services

Fisheries

Coastal protection & erosion control

Coastal Water Quality

Livelihoods (tourism etc.)

Cultural value

Food

Biodiversity



Bird's Head Seascape : Marine Protected Areas (MPAs)

**Total MPA Coverage
= 3,589,702 ha**



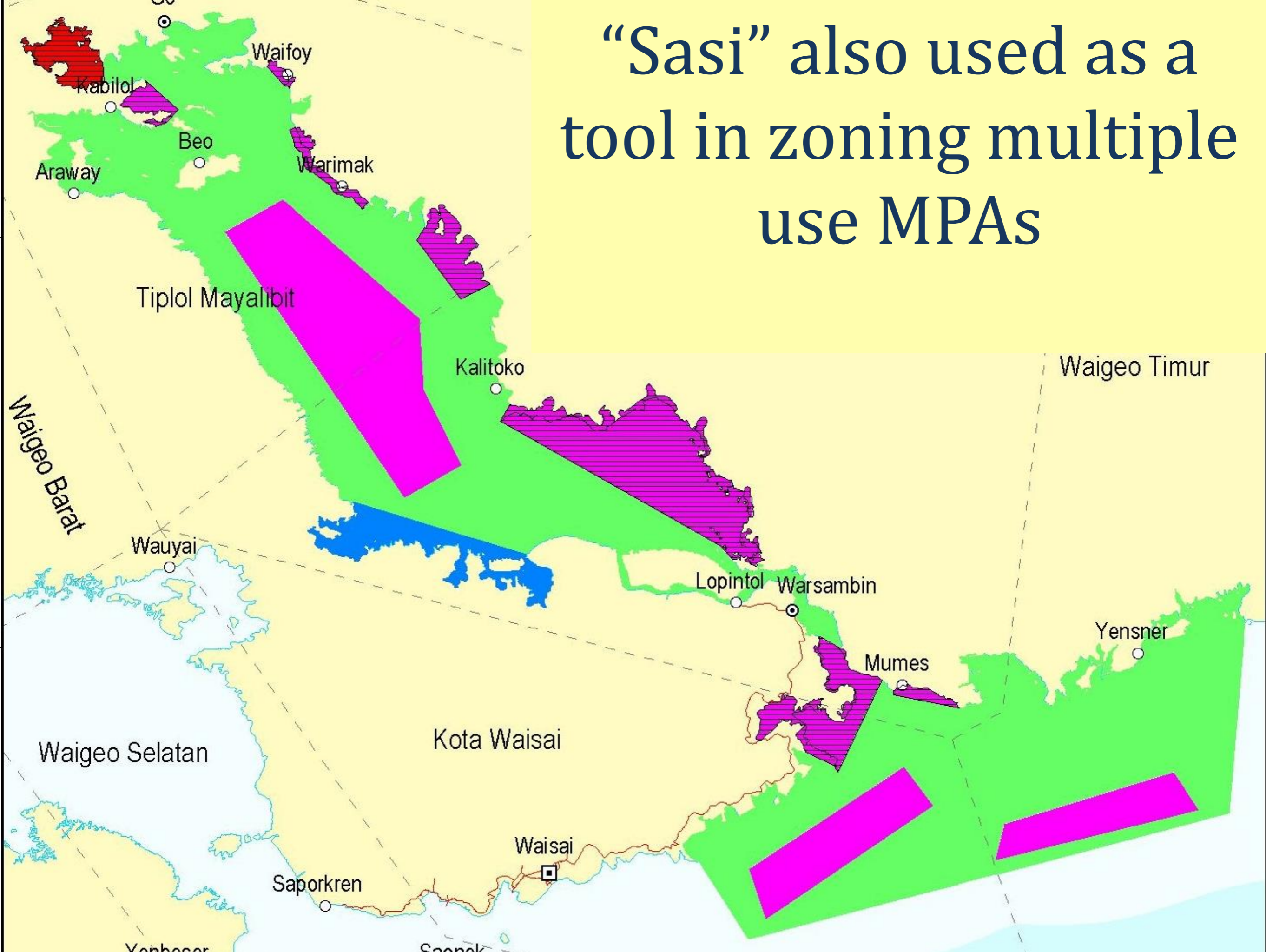
Criteria used for MPA Network Design and Zoning

1. Biological features and ecological connectivity
2. Physical and oceanographic features
3. Socioeconomic and cultural criteria
 - Community aspirations and tenure boundaries
 - Inclusion of vulnerable communities

Mayalibit Bay is the home to the Maya Tribe, Raja Ampat's original inhabitants and it's poorest and most marginalized community. They are also highly dependent on fisheries.



“Sasi” also used as a tool in zoning multiple use MPAs



“Rolling” joint patrols maximize ownership

Each year over hundreds of community members have a two week “tour of duty” in the MPA patrol teams.

Restoration - Mangroves



<http://www.mangroverestoration.com/>

Mangrove Rehabilitation

Barangay Balibago, Philippines

- CALMADA, community lead project
 - mangrove reforestation
 - income diversification
- 20,000 seedlings have been planted to date
- Income diversification schemes
 - Community-based Mangrove Aquasilviculture
 - Mudcrabs and fish
 - Mangrove Eco-Lodge

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Seagrass Restoration

Virginia Coast, USA

World's largest seagrass
restoration (5,000 acres
eelgrass)

VIMS
Virginia Institute of Marine Science

The Nature
Conservancy 
Protecting nature. Preserving life.™



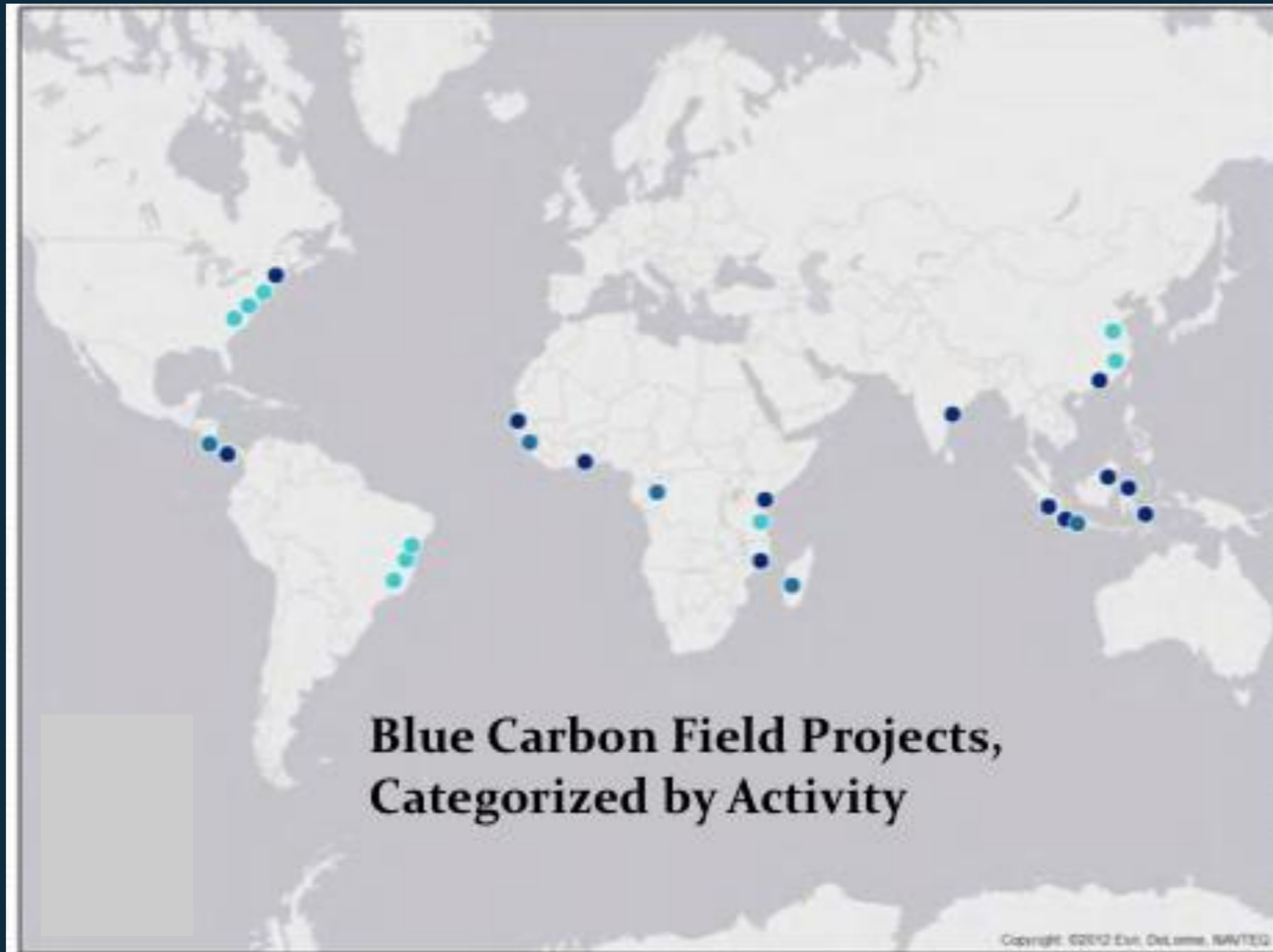


Can coastal “blue” carbon leverage better management, conservation and restoration of coastal ecosystems?

- Increase recognition of mitigation value
- Improve management and regulation
- Provide basis for incentives to conserve or restore

Survey of Blue Carbon Field Projects

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Gulf of Nicoya - Costa Rica

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Develop and support policy and management that conserves and promotes sustainable use of the mangroves.

In next year

- Assessment fisheries and blue carbon value
- Community mangrove restoration
- Capacity building in sustainable fisheries and alternative livelihoods

Indonesia

- Indonesia National Plan of Action on Blue Carbon (Target: Dec 2013)
- Engaged in National and International BC programs
- Field implementation in priority sites
- Training and Capacity Building Cooperation





Increased conservation, restoration and sustainable management of coastal blue carbon ecosystems

<http://thebluecarboninitiative.org/>

Thank you

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<http://thebluecarboninitiative.org/>

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