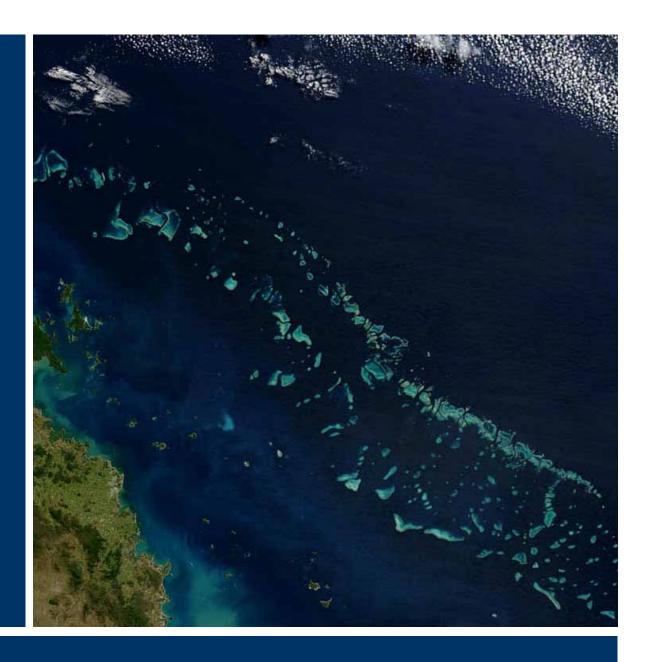
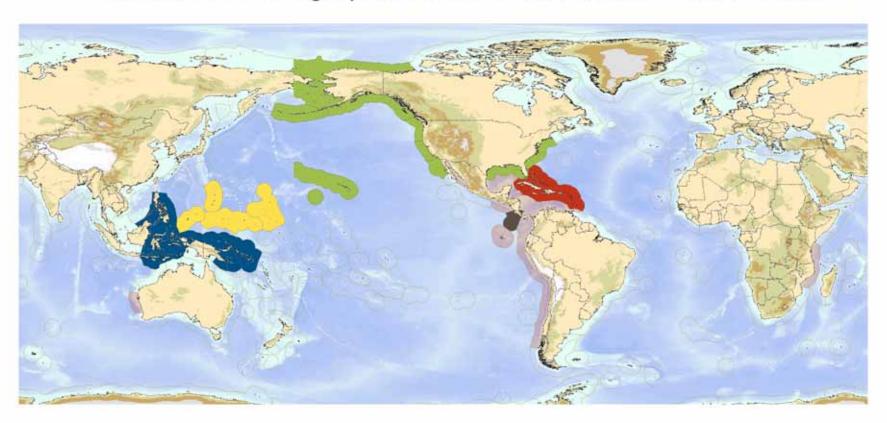
Strengthening collaboration between The Nature Conservancy and Regional Seas





### Current TNC Geographic Priorities for Marine Conservation



### Current TNC Priority Marine Projects



U.S. Coasts and Oceans



Costa Rica



Caribbean



Pacific Islands



Coral Triangle

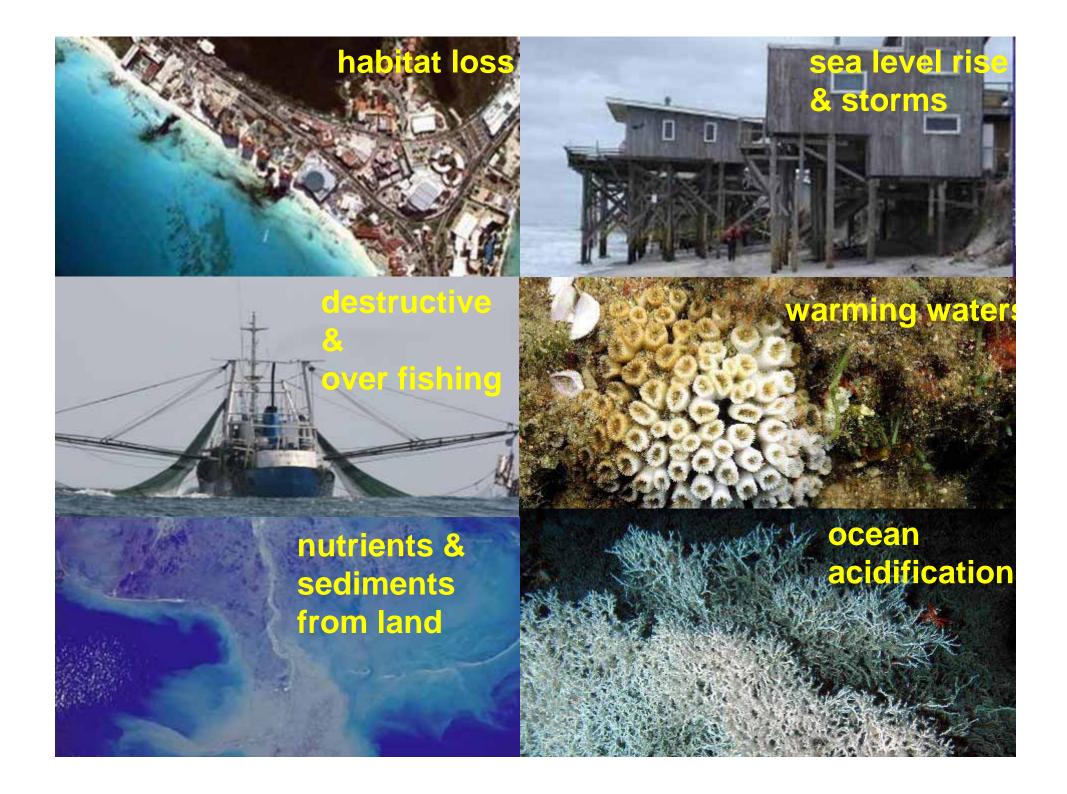
#### Additional TNC Marine Programs



Mexico Mosaics, Western Caribbean, Eastern Tropical Pacific,

Humboldt Current, Mozambique, Western Australia







### Marine Conservation Strategies

### Large Scale Ocean Management

(Marine Protected Area Networks, Marine Spatial Planning)

### **Critical Marine Habitat Protection & Restoration**

(Coral Reefs and Shellfish Reefs)

# Climate Change Adaptation Sustainable Fisheries



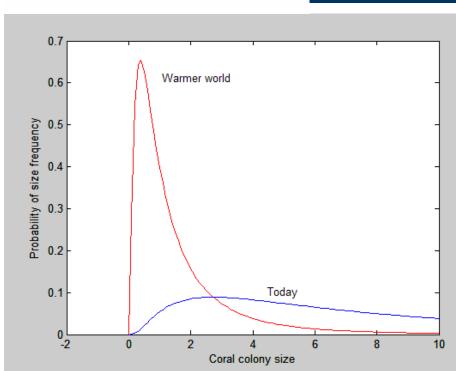


### Conserving critical habitats





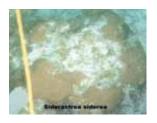
### Reef Resilience Program

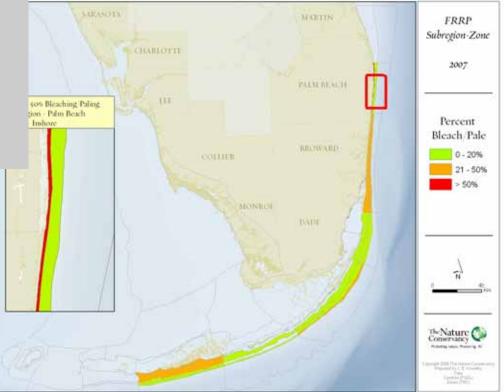


Joint
Research - to understand impacts &
Actions - protection to restoration
Training

Climate change causes partial coral mortality- changes coral size



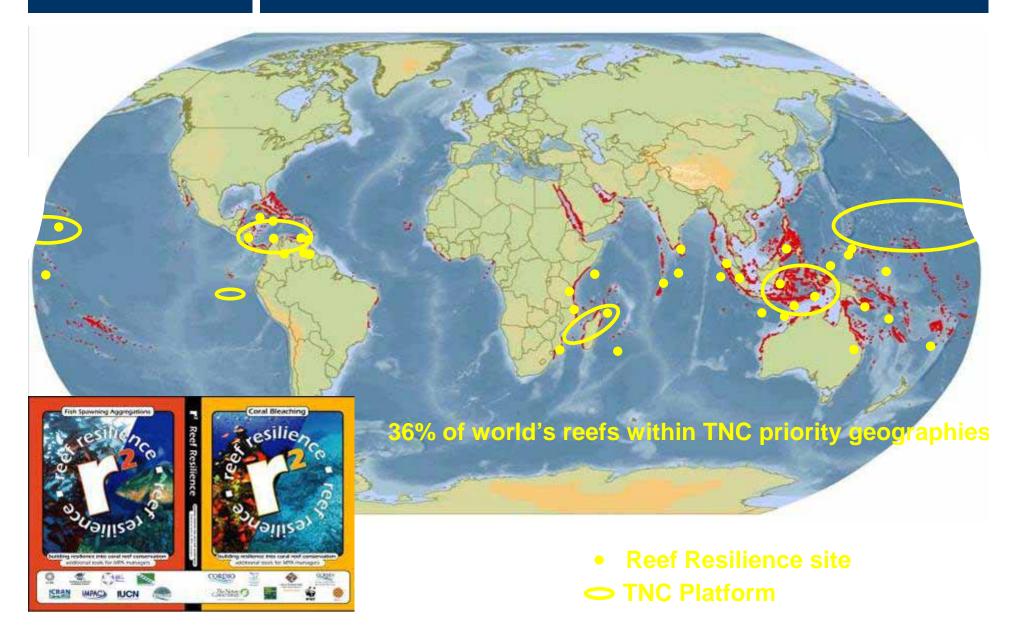


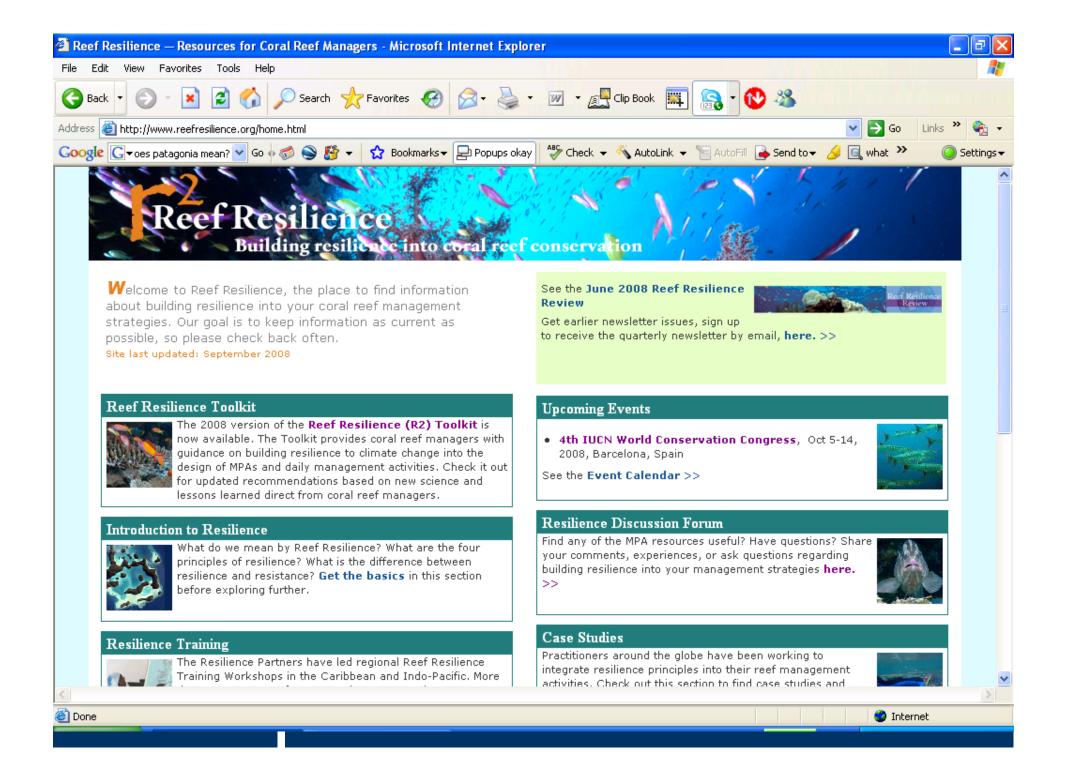




### Going to Scale: Coral Reef Conservation

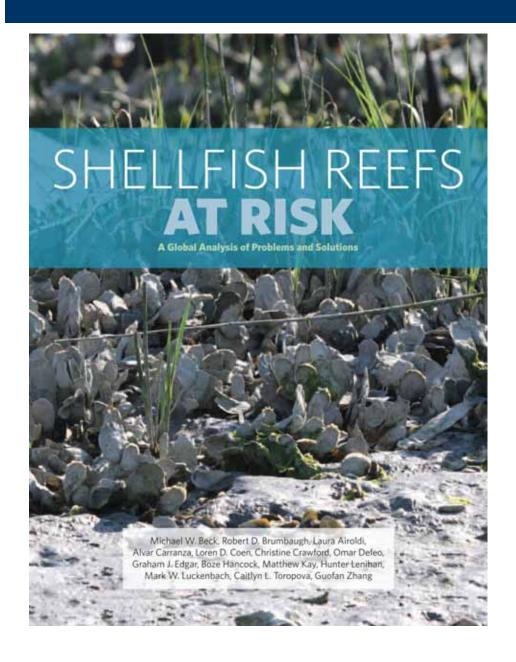
Global extent of coral reefs: 284,300 sq km





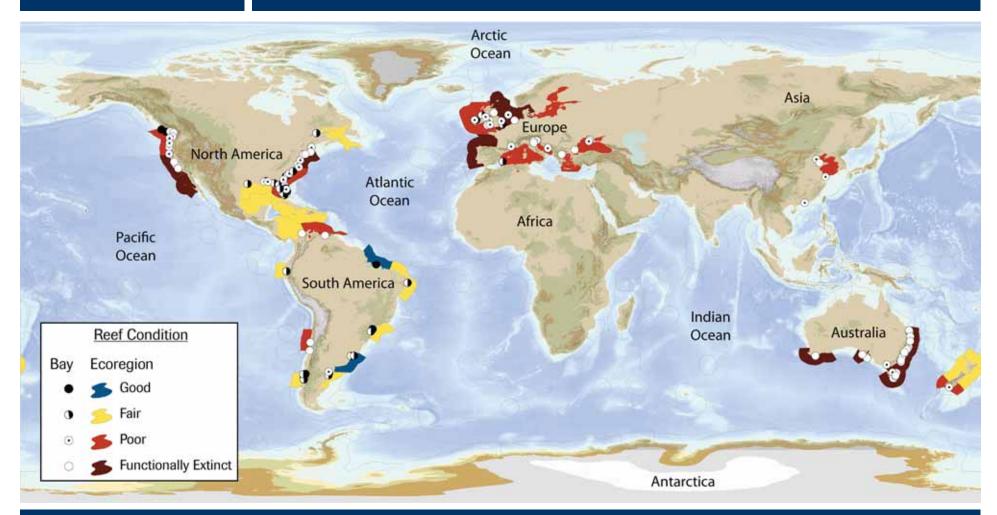


### Conserving critical habitats





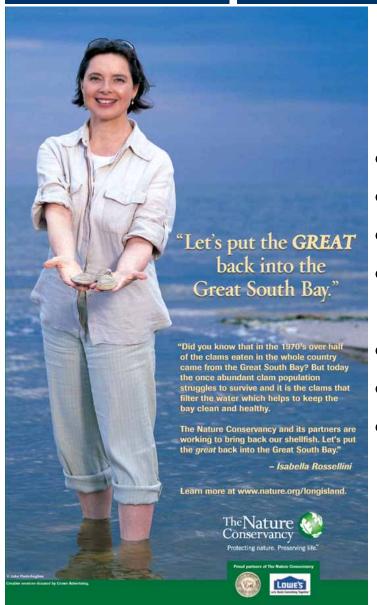
### **Shellfish Reefs at Risk**



85% loss of oyster reef ecosystems in bays and ecoregions; mangrove and saltmarsh (~50%) and coral reef (~20%)



## **Communicating the Challenges**



- Perception that there is not a problem
- Shellfish not appreciated as ecosystem
- Services not well measured
- Significant pressure to spread nonnatives
- Disease
- •Few shellfish in conservation areas
- Estuaries in decline



## Oyster reefs - most impacted marine habitat & loss continues

Recommendations
Stop Overfishing
Conserve Remaining Reefs
Restore Reef Services
Stop Spread of non-natives
Improve Water Quality

Manage reefs as ecosystems see the forest not just the trees





### Recommendations: Conservation Improve Protection

Develop MPAs & expand shellfish sanctuaries
Include reefs in representative protected area policies
Protect best remaining reefs
Expand habitat & species at risk listings

A paradigm shift: oyster reefs managed not only for fisheries production, but also as habitats and for ecosystem services





### Recommendations: Water Quality

Use shellfish as bioindicators to measure water quality and estuarine restoration goals

Support sustainable aquaculture

Use partnerships to advance

- water quality goals &
- estuarine conservation goals







### Action & Opportunities: Enhance Restoration

### Services Being Valued & Enhanced







### Action & Opportunities: Conservation Shellfish MPAs in China

A 4.5 km<sup>2</sup> conservation area has been set up for the Jinjiang oyster in Nantong, Jiangsu Province. This is the first conservation area for the protection of marine shellfish in China





### Action & Opportunities: Enhance Restoration

# Restoration Activities Increasing in Scale Stimulating shellfish - Rebuilding 'green' infrastructure & creating jobs





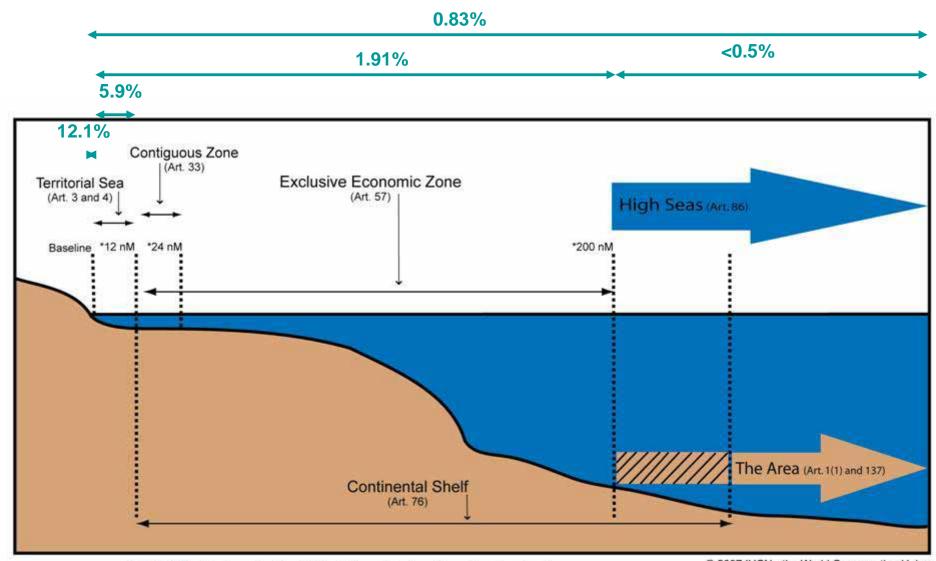


Small Medium

Large

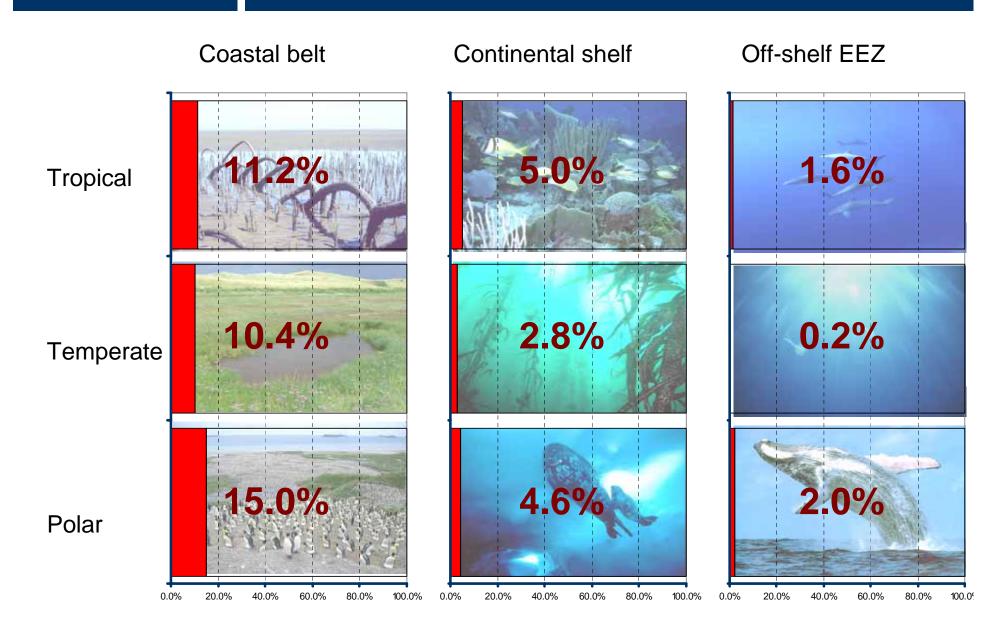


### Less than 1% of the Ocean is protected

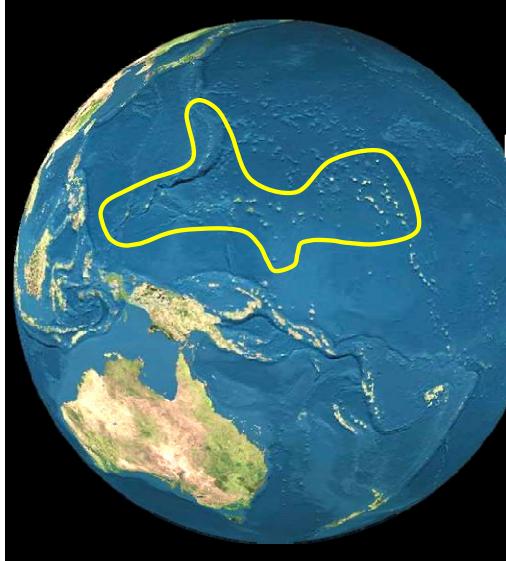




### Less Than 1 % of the Ocean is Protected



### The Micronesia Challenge



The Chief Executives of:
Republic of Palau
Federated States of Micronesia
Republic of the Marshall Islands
Commonwealth of the Northern
Mariana Islands
U.S. Territory of Guam

Agreed to effectively conserve at least 30% of the near-shore marine resources and

20% of the terrestrial resources

across Micronesia by 2020



### How it Happened



### 2004

Countries commit to Protected Areas (COP 7)

### 2005

- Palau and Seychelles Presidents
   launch Global Island Partnership
   &Finance Plan
- Micronesian leaders sign-off

### 2006

- CBD COP 8 Global Island Partnership event & launch of the Challenge
- TNC & Cl and GEF pledges
- Micronesian Challenge Support Team2007 to present
  - Ongoing action within each country for implementation at scale
  - MC Climate Change Conference,
     Majuro



### Why this Challenge Matters

- Builds on on-going work in all jurisdictions
- Increases access to critically needed resources
- High level leadership support for the environment
- Increases regional cooperation and coordination
- Commitment to local people and cultures
- Puts Islands on the global stage
- Sets a benchmark for the world





## Building on regional experiences to influence global change



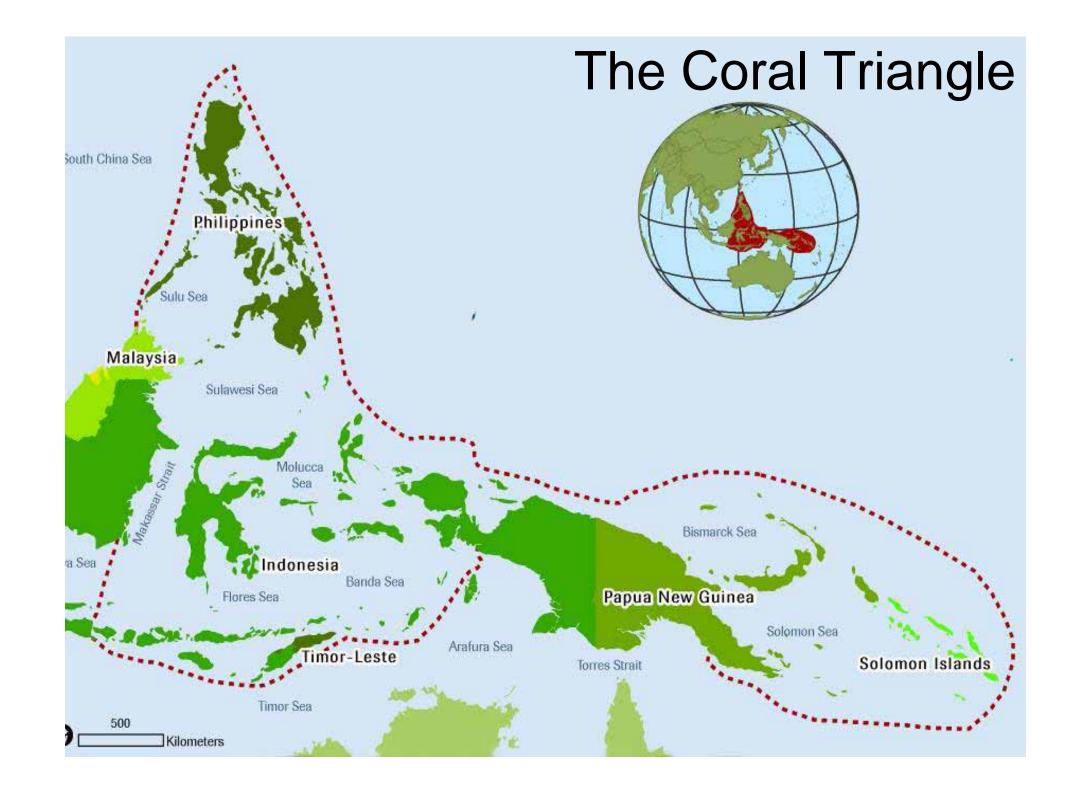


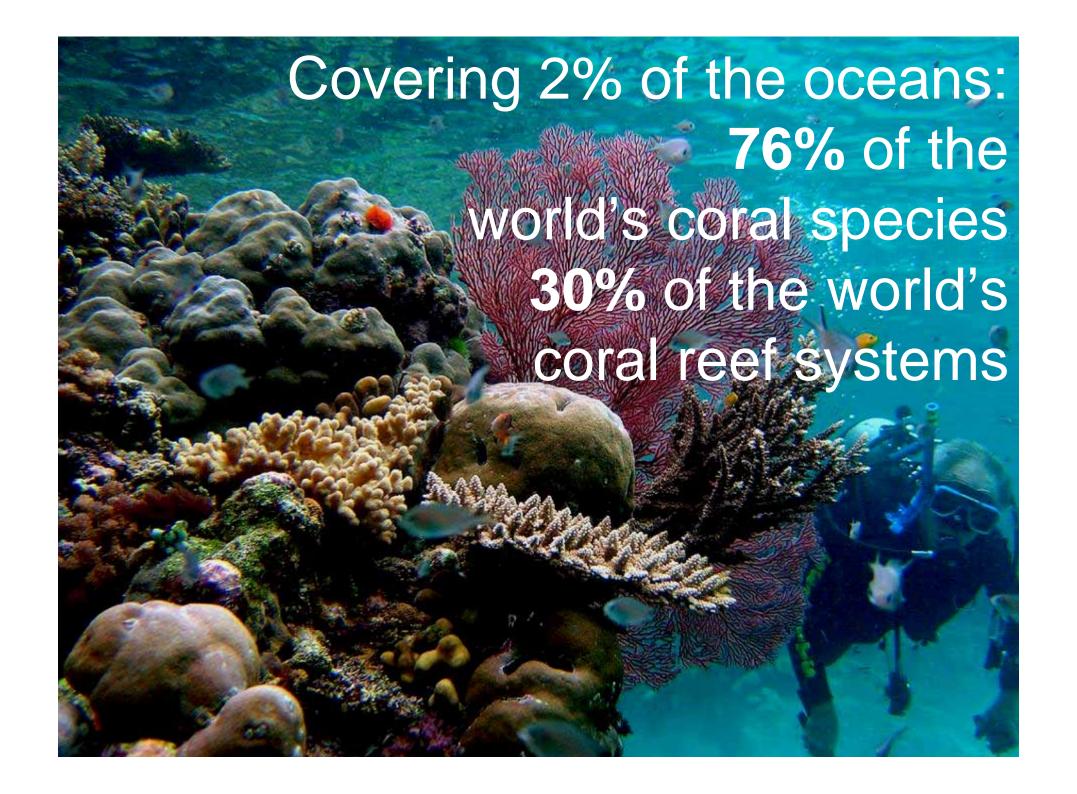
# Two decades of marine conservation in Coral Triangle laid the groundwork for CTI

US government support

NGO programs

**US-based foundations** 







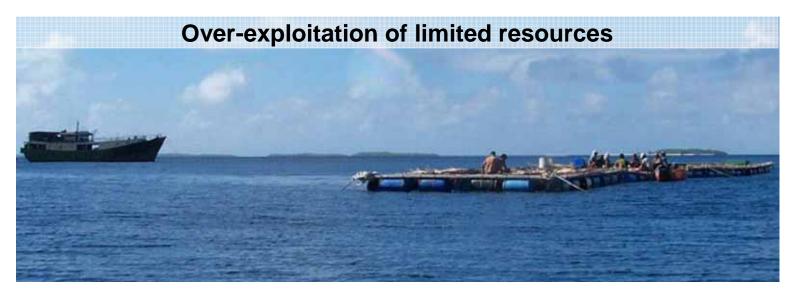
## World's largest tuna fishery







### Overfishing of coastal fisheries







### Protecting meture. Preserving line est uctive fishing practices for live reef and aquarium fish trade









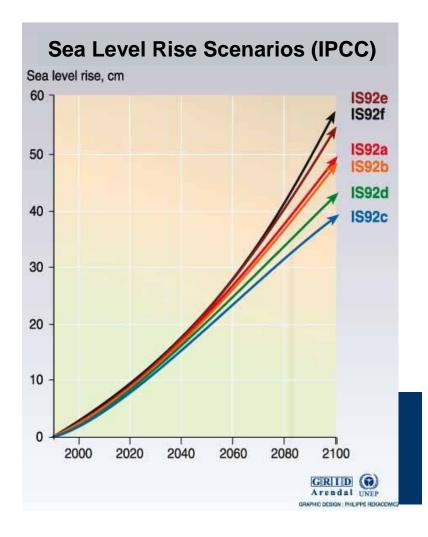




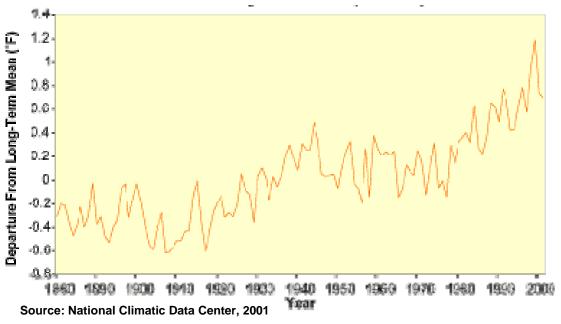
### Illegal fishing



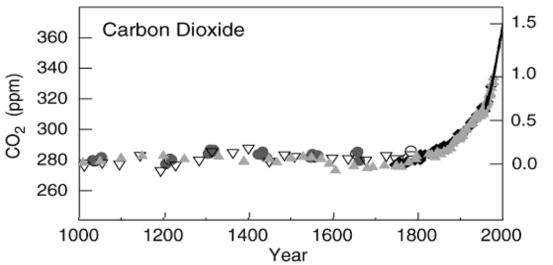




### **Global Temperature Trends (1880-2000)**



### Global atmospheric concentrations of CO<sub>2</sub>

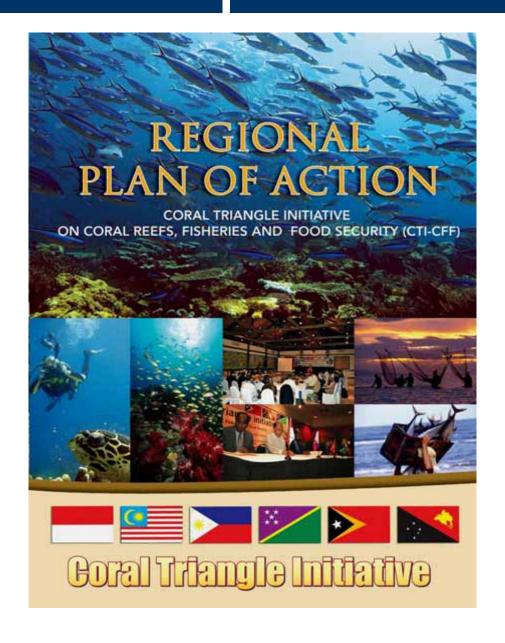








# Building the CTI Foundation: Plan of Action



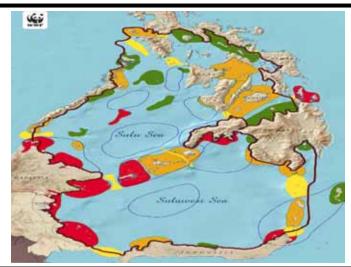
"The boldest and most ambitious marine action plan ever agreed by governments. This will transform the way we manage our marine and coastal resources, and reshape our future"

President Yudhoyono of Indonesia



## Conservation Commitments in CTI Plan of Action

**Priority Seascapes** 

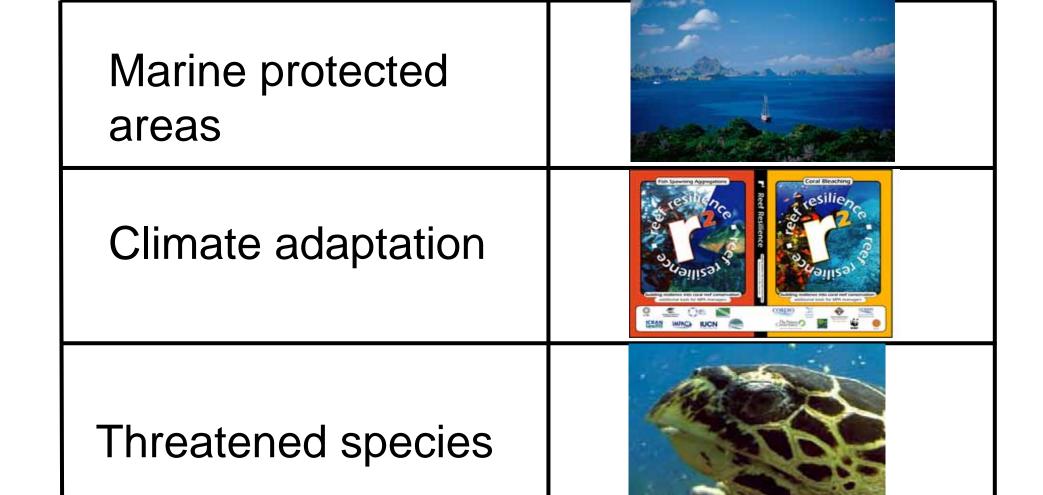


Ecosystem approach to fisheries





### Conservation Commitments in CTI Plan of Action





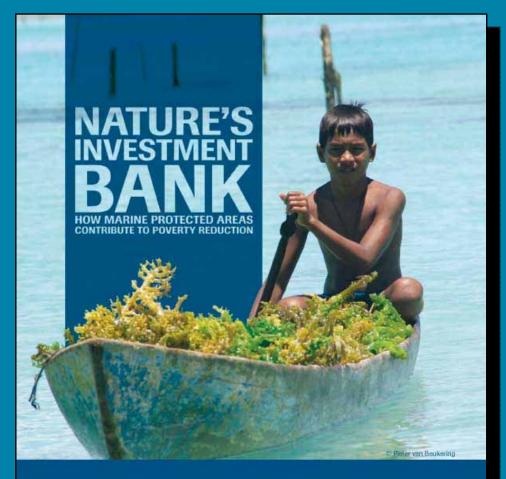
#### Economic Benefits of Marine Protected Areas to Local Communities

# Protection = more fish = greater incomes









Four countries, four marine protected areas, a strong study methodology, and more than 1,000 interviews with local people. The findings conclusively show that "people in the community are now better off and this is because of the marine protected area," as a local person in the Philippines explained.

In one of the first studies of its kind, a large team including a top-tier economist and social scientist sought to determine whether four marine protected areas have contributed to poverty reduction, and if so, why. The study sites are in Fiji (Navakavu), the

the Solomon Islands (Arnavon Islands), Indonesia (Bunaken) and the Philippines (Apo Island). The sites are not a random sample but were deliberately chosen because local experts believe they have contributed to poverty reduction. The objective was to study potentially positive examples to see if there are common factors for success. There are in fact several shared reasons why these particular marine protected areas helped reduce local poverty. Replicating these success factors can help marine protected areas in general contribute more to reducing local poverty.



# Protection of tuna spawning and growth areas

consumers could pay





# Encouraging consumer demand for sustainable fish







#### Selected Indonesian Fisheries Subsidies: Quantitative and Qualitative Assessment of Policy Coherence and Effectiveness





By A. Ghofar, D.K. Schorr, and A. Halim



### Building the CTI Foundation: National Action Plans and Alliances

### PNG example





Department of Environment and Conservation

National Fisheries Authority

Foreign Ministry





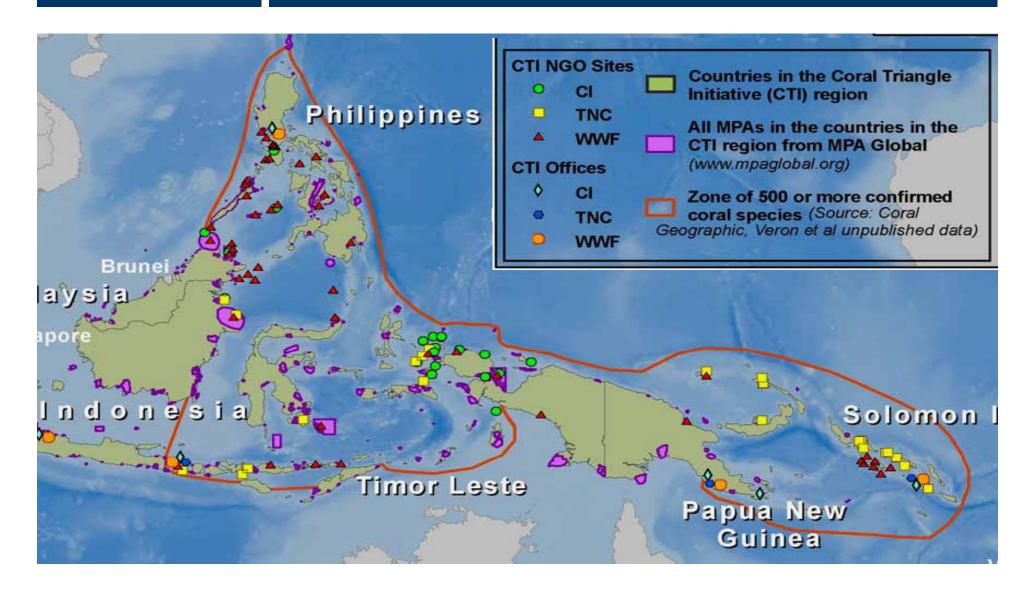


Mama Graun
Conservation Trust
Fund
Local NGOs





### Building the CTI Foundation: **NGO Consortium**





# **Building the CTI Foundation: Early funding commitments**



- \$110 million direct grants to CTI
- \$300 million co-financing package

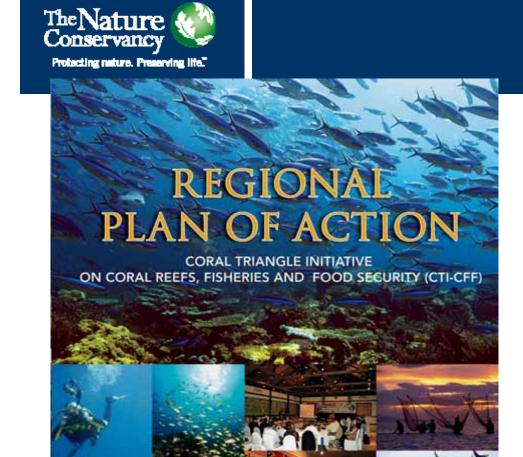
Building the CTI Foundation: Partnership (CTIP)

CTI









Coral Triangle Initiative

Regional action plan formally adopted by 6 leaders

Ministers tasked with ensuring implementation

National actions plans completed



#### **Announcements by leaders**

### Indonesia



Committee of Ministers on CTI

Savu Sea MPA (3.5m hectares)

Pledge: 20m ha MPAs by 2020

Double the budget

Host CTI Secretariat

\$5 million of new funding

Unified CT6 position on ecosystembased adaptation



### **Announcements by leaders**

### **PNG** and Solomons



#### **PNG**

\$2 million of new funding CTI will be integrated into national policy (econ.

development plan)

Solomon Islands

New CTI Unit established with staff

Cabinet endorsed CTI



#### **Announcements by leaders**

# Philippines, Timor Leste, Malaysia



#### **Philippines**

\$5 m pledge

New seascape program

New Executive Order endorsing National CTI Plan of Action

New Presidential decree on ICZM

SSME as platform

Palawan - sustainable seafood

#### **Timor-Leste**

New Task Force on illegal fishing

#### Malaysia

\$1 m pledge

Marine scientific expedition



### The "Challenge" Model

