Workshop on MPA resilience to climate change:
How MPA networks can improve marine ecosystem resilience in the Caribbean Region?

St Martin, FWI, 28-29 November 2013

Carole Martinez, IUCN , Global Marine Programme – EU Overseas

IUCN involment and works

- Knowledge products
- Capacity building
- Outreaching
- Promoting MPAs

Close-up comparison of bleached and healthy coral heads. Photo: © Wolcott Henry 2005.

IUCN works

- Knowledge products
- Guidelines
- Status coral reefs

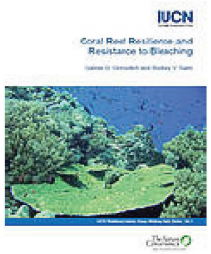
IUCN

GCRMN
GLOBAL CORAL REEF MONITORING NETWORK

ICRI

UNEP

IUCN works

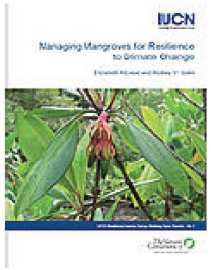


Coral Reef Resilience and Resistance to Bleaching

IUCN Resilience Science Group Working Paper Series – No 1
Gabriel D. Grimsditch and Rodney V. Salm
© IUCN/TNC, October 2006

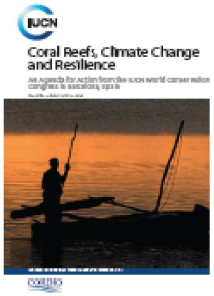
Resilience Assessment of Coral Reefs: Rapid assessment protocol for coral reefs, focusing on coral bleaching and thermal stress

IUCN Resilience Science Group Working Paper Series – No 5
David Obura and Gabriel Grimsditch
© IUCN / TNC, April 2009



Managing Mangroves for Resilience to Climate Change

IUCN Resilience Science Group Working Paper Series – No 2
Elizabeth Mcleod and Rodney V. Salm
© IUCN/TNC, October 2006



Coral Reefs, Climate Change and Resilience An Agenda for Action from the IUCN World Conservation Congress in Barcelona, Spain

IUCN Resilience Science Group Working Paper Series – No 6
David Obura & Gabriel Grimsditch
© 2009 IUCN/TNC

Managing Seagrasses for Resilience to Climate Change

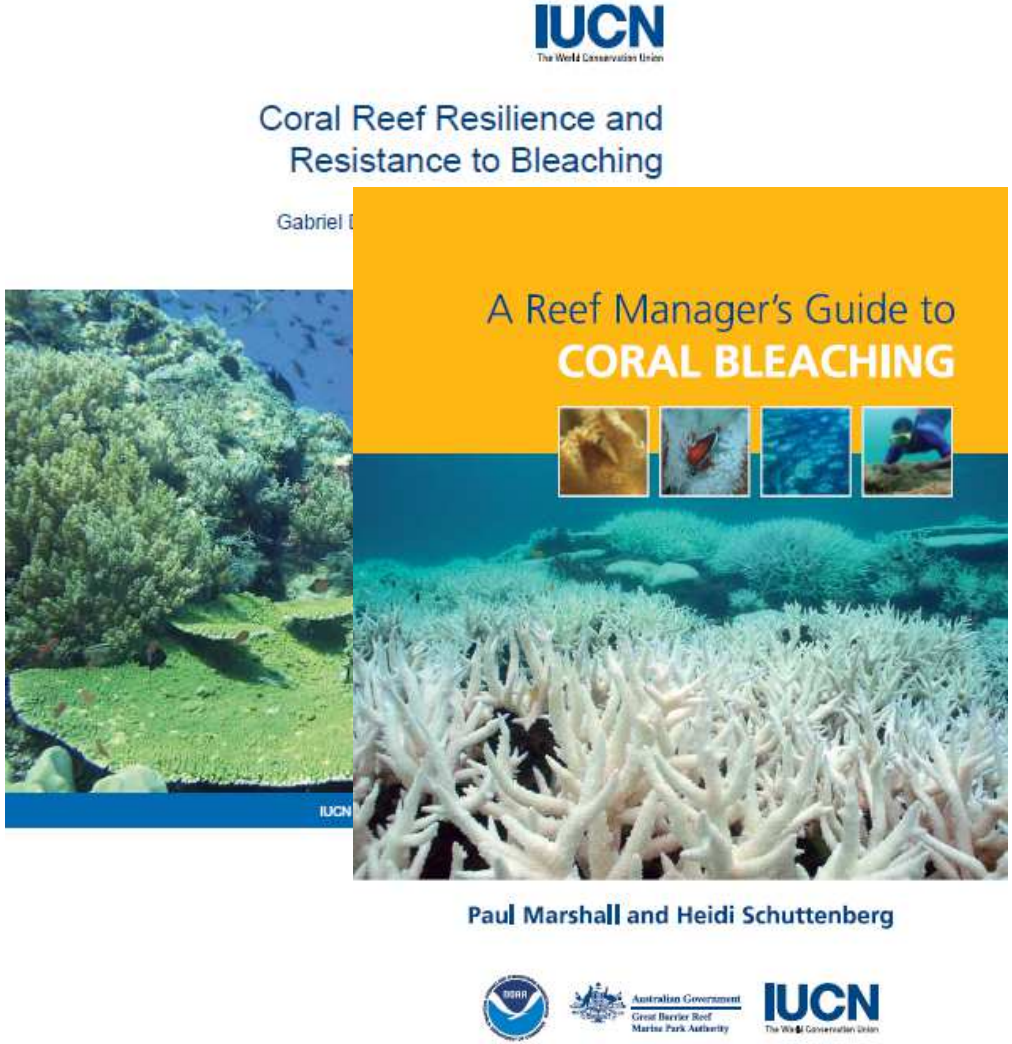
IUCN Resilience Science Group Working Paper Series – No 3
Mats Björk, Fred Short, Elizabeth Mcleod and Sven Beer
© IUCN/TNC, 2008

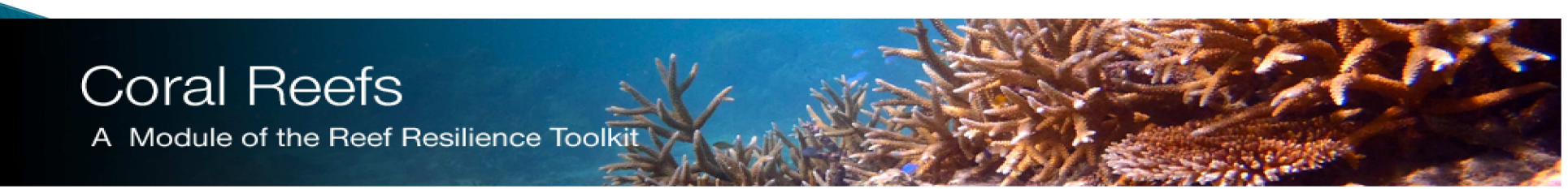
A Framework for Social Adaptation to Climate Change - Sustaining Tropical Coastal Communities & Industries

NA Marshall, PA Marshall, J Tamelander, D Obura, D Malleret-King and JE Cinner
© IUCN December 2009

IUCN works

- Capacity building
- Guides
- Workshops





IUCN works

- Capacity building
- Guide
- Workshops

IUCN works

- Outreaching
- Advocating for Nature based solutions
- Working Group
- Partnerships

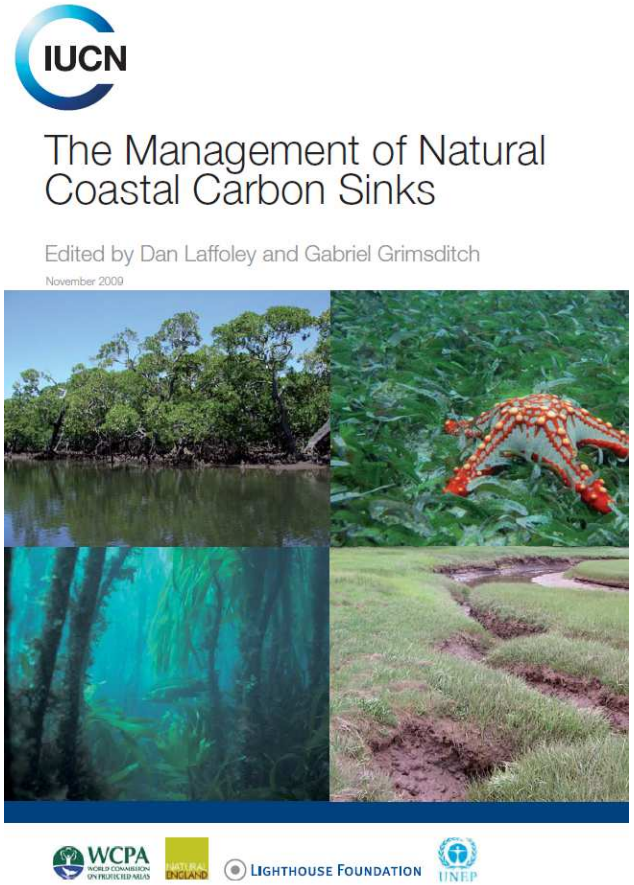
IUCN works

•Integrated approach

• Outreaching and Advocating for Nature Based solution

• Blue Carbon Initiative for

mitigating climate change through the conservation and restoration of coastal and marine ecosystems



•Working Group CR CC

IUCN works

•Integrated approach

• Outreaching and Advocating for Nature Based solution

•Blue Carbon Initiative for

mitigating climate change through the conservation and restoration of coastal and marine ecosystems

the BLUE CARBON initiative

coordinating organizations:

CONSERVATION INTERNATIONAL

IUCN

2% – 83% – 50%
Critical storage

Global Distribution of **Blue Carbon Ecosystems**

Global Saltmarsh UNEP-WCMC and TNC. Dataset Incomplete. Personal communication with Neil Saintilan to supplement Saltmarsh Data.

IUCN works

- Integrated approach
- Outreaching and Advocating for Nature Based solution

- Blue Carbon

- Partnerships

IUCN works

BLUE SOLUTIONS

- Integrated approach
- Outreaching and Advocating for Nature Based solution
- Blue Carbon
- Working Group
- Outreaching

- Partnerships

Areas of Work

Blue Solutions works in the marine and coastal realm on the topics:
Coastal & Marine Management
Protected Areas
Integrating Ecosystem Services
Climate Change
Sustainable Financing

giz Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH
G·R·I·D ARENDAL A Centre Collaborating with UNEP
IUCN
UNEP
On behalf of Federal Ministry for the Environment, Nature Conservation and Nuclear Safety of the Federal Republic of Germany

IUCN works

•Integrated approach
• Outreaching and Advocating for Nature Based solution
•Blue Carbon
•Working Group
•outreaching
•Partnerships
•Promoting MPAs

Caribbean Workshop Nov, 28-29, 2013

- **Participative approach** for :

- Capitalization of current initiatives and exchanges of experiences

- Building and strengthening MPA local and national capacities to increase the resilience of the coastal marine environments to climate change

- Developing regional cooperation

- Exploring the development of regional action plan to that purpose

Caribbean Workshop Nov, 28-29, 2013

· **Best management practices**

Which are the management practices that have each of the MPAs represented that consider and address large spatial and time scale threats to coastal environments, including those generated by global climate changes and those generated by local human uses?

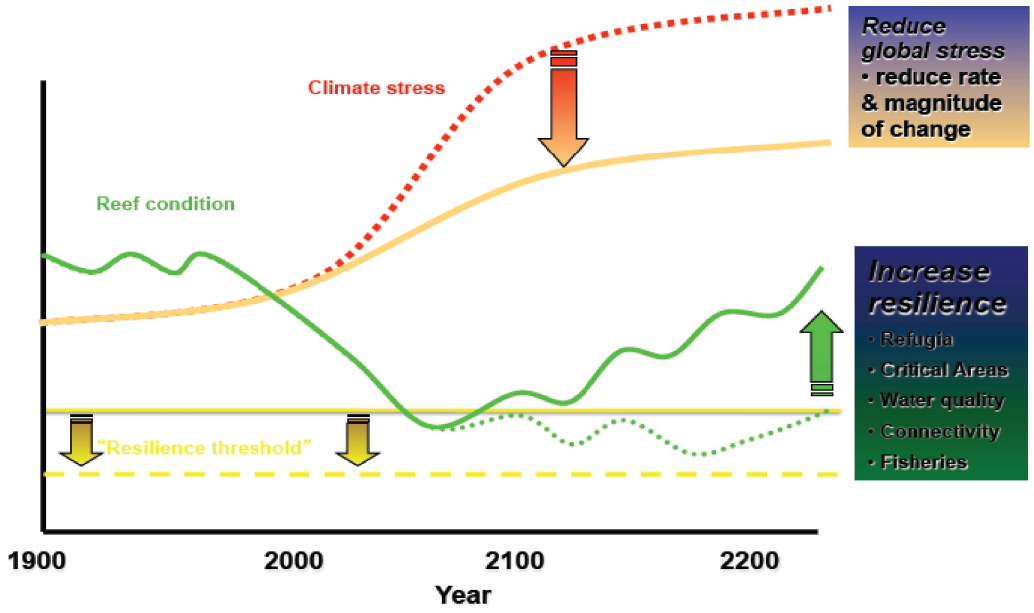
· **Sharing lessons**

Which are the best practices that each MPA can share with the other MPAs in the EU territories and other neighbor islands of the Caribbean to address regionally the local and global threats? (joint projects, networking, policy development)

· **Regional approach**

What are the multi-island initiatives that each of the 3 country-led organizations
(from the Netherlands, France and UK) are currently implementing that can be applied in, emulated by or coordinated with other islands (EU or non EU countries)?

Managing for resilience and adaptation



Thank you for your attention

IUCN

CAR·SPAW·RAC CARAIBE

CaMPAM Network & Forum

afd AGENCE FRANÇAISE DE DÉVELOPPEMENT

UNEP

CARIBBEAN ENVIRONMENT PROGRAMME

Réserve Naturelle SAINT-MARTIN