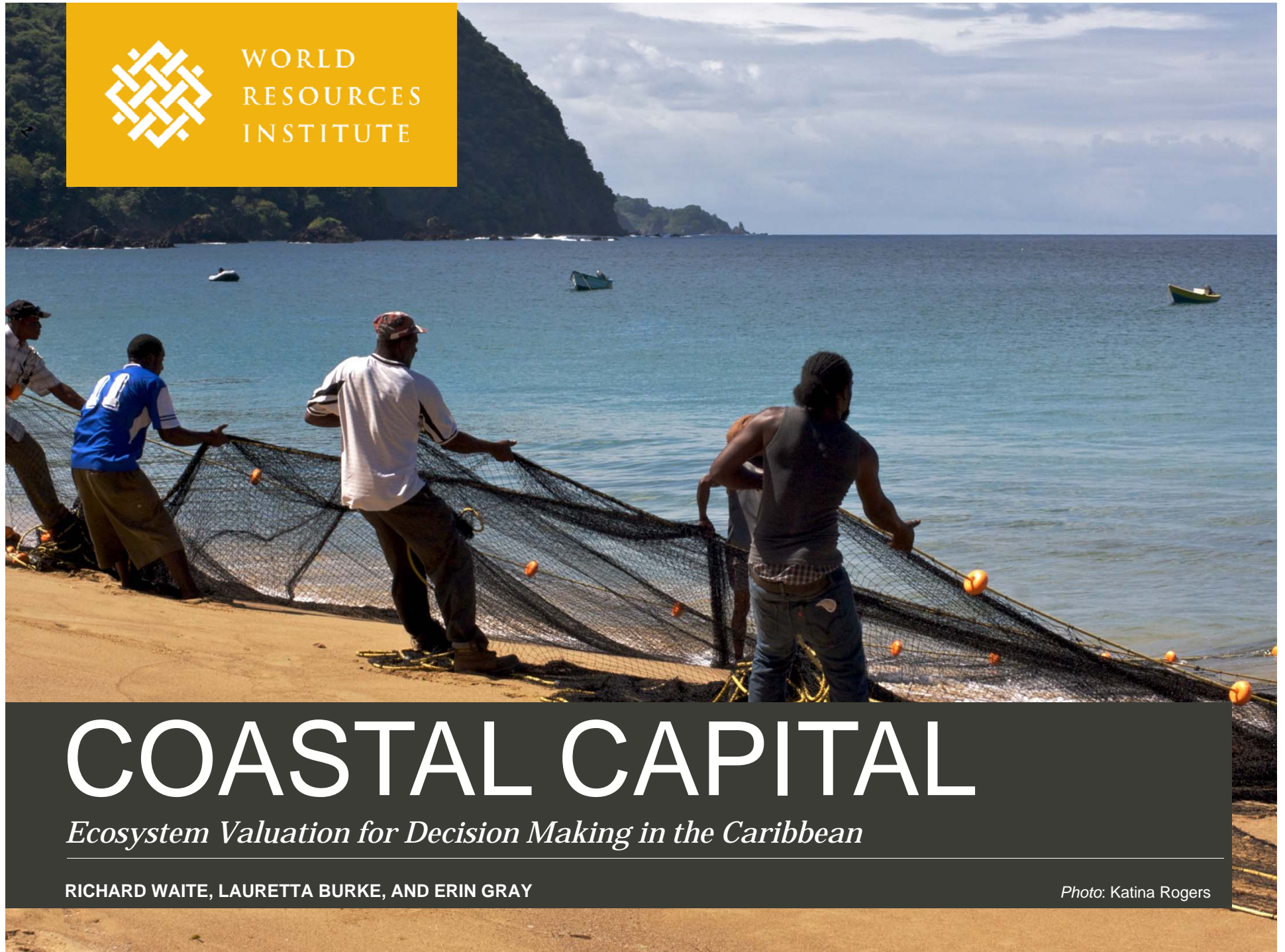




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COASTAL CAPITAL

Ecosystem Valuation for Decision Making in the Caribbean

RICHARD WAITE, LAURETTA BURKE, AND ERIN GRAY

Photo: Katina Rogers

Coastal Capital – Studies 2005-11



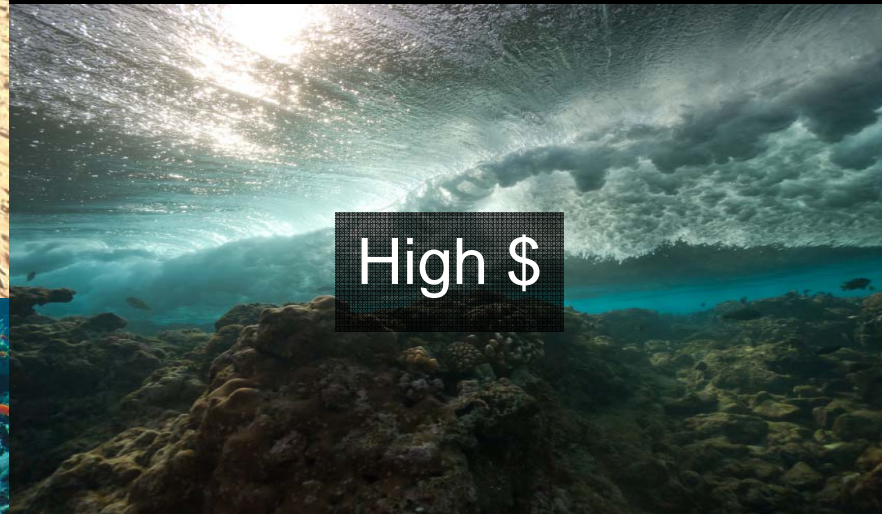
Coastal Capital – Studies 2005-11



Lower \$,
but important
for food/jobs



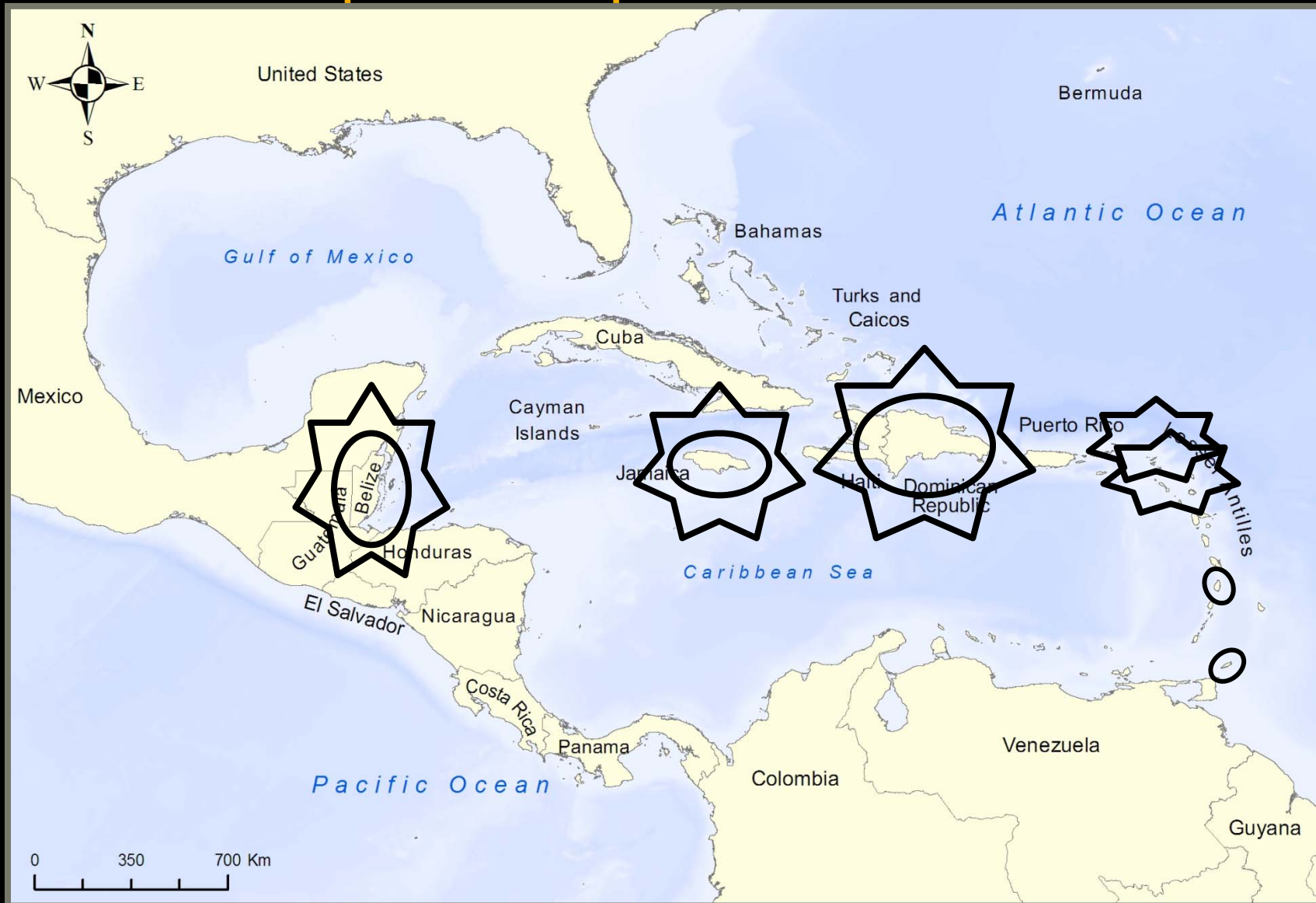
High \$



High \$

*Photos: Crispin Zeenam (fisherman),
Steve Linfield (wave break), K. Tkachenko (diving)*

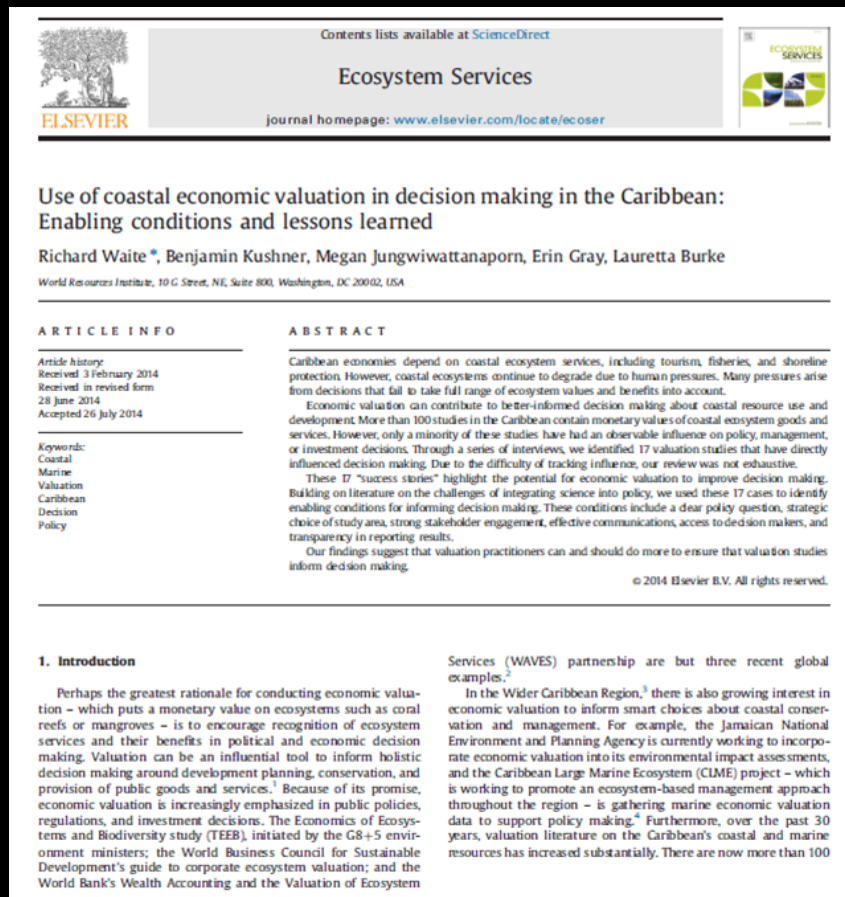
Coastal Capital – Impacts?



Main research questions

- Which valuation studies have informed decision making in the Caribbean?
- What made those studies successful in informing decision making?

Use of coastal ecosystem valuation in decision making in the Caribbean



- Low observed use so far
- But, 20+ case studies offer lots of lessons

Valuation supports MPA establishment

St. Maarten, Haiti, Cuba, Bahamas, USA



Photo: Tadzio Bervoets

Valuation supports establishment of entry fees

Bonaire, Dominican Republic, Mexico, Belize, St. Eustatius



FISHING	PADDLE BOARDING	YACHTING	FREE DIVING	WATER SKIING	SAILING	WAKEBOARDING
WINDSURFING	KAYAKING	SNORKELING	SWIMMING	SCUBA DIVING	KITESURFING	MOTOR SPORTS

**DID YOU?
BUY YOUR TAG.**

Enjoy the beautiful waters surrounding Bonaire! They are part of the internationally recognized **Bonaire National Marine Park**. Before entering these waters you are required by law to purchase the STINAPA Marine Park Tag (Nature Fee), for any and all water activities. This tag is your personal access pass to the Bonaire National Marine Park.



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Valuation supports damage claims

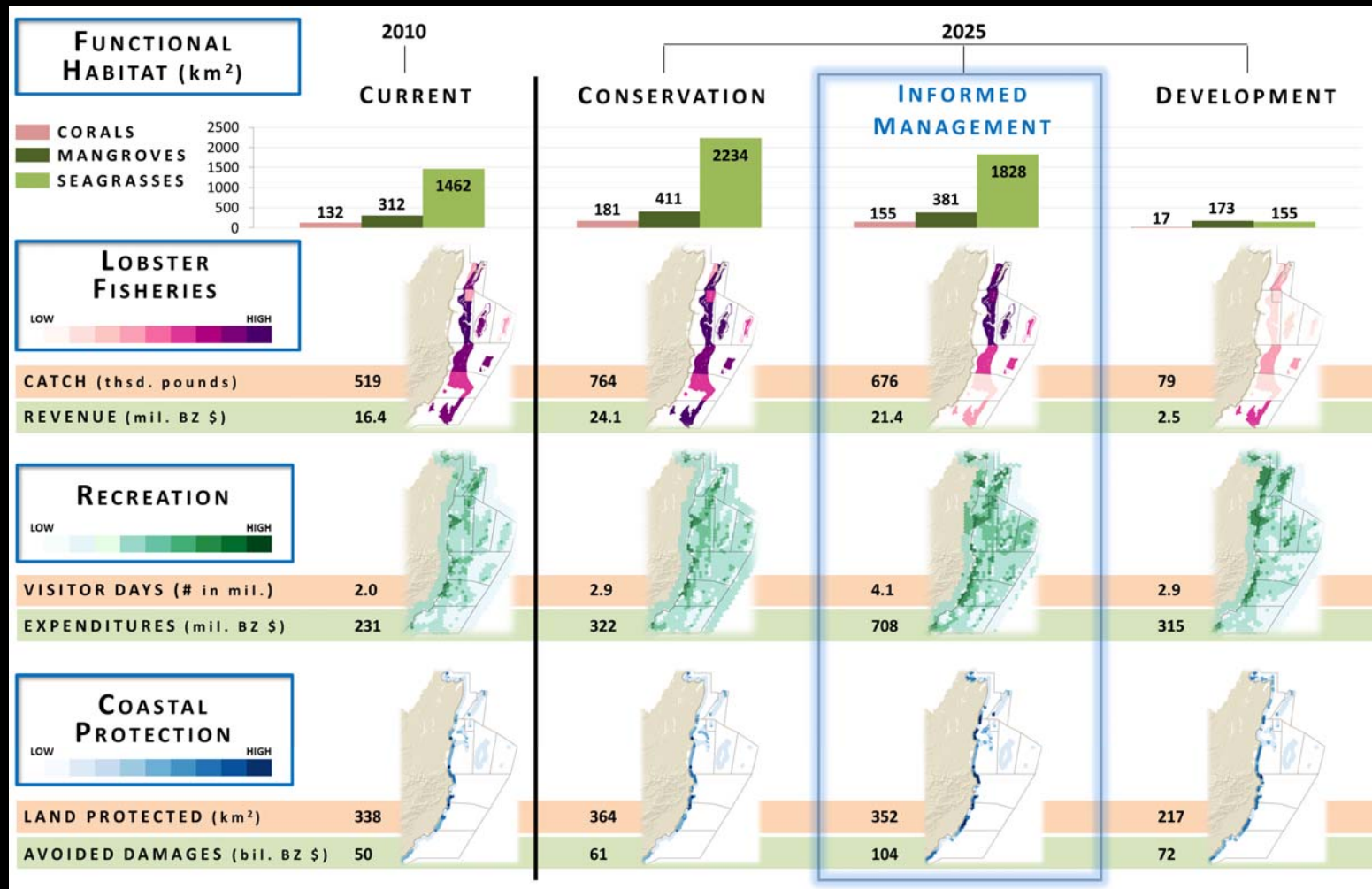
Belize, Jamaica, St. Eustatius, St. Maarten



Source: U.S. Coast Guard.

Valuation informs marine spatial planning

Belize



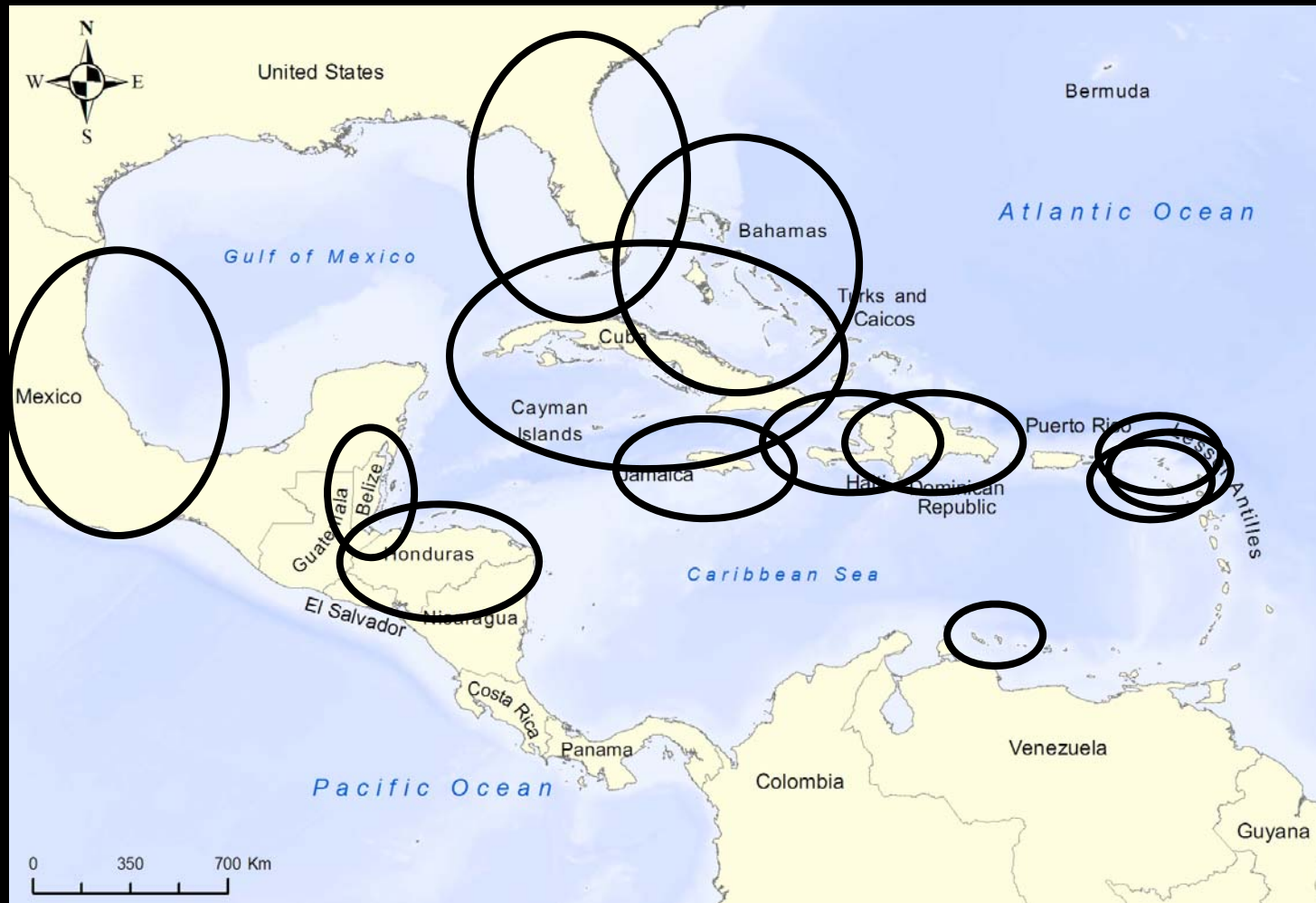
Source: Clarke et al. (2013).

How else have valuation results been used?

- Justify other policy changes (e.g., fishing regulations, offshore oil drilling ban)
- Justify investment in management/conservation/enforcement
- Design Payments for Ecosystem Services schemes
- Raise awareness/highlight economic importance



Valuation results have informed decision making across the Caribbean



Note: Not exhaustive.

Why were these 20+ studies influential?

...enabling conditions for use in decision making

WHAT YOU CAN DO

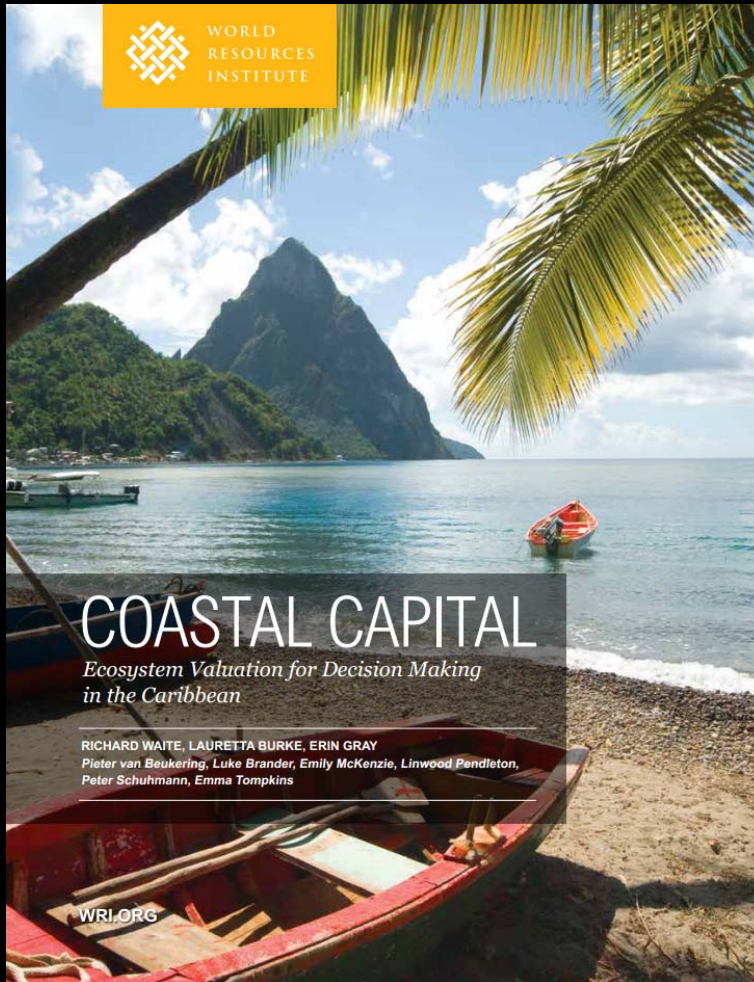
- ✓ Conduct a sound analysis
- ✓ Link to a clear policy question (and use appropriate methods/data)
- ✓ Engage stakeholders and decision makers
- ✓ Value relevant ES
- ✓ Be transparent
- ✓ Communicate strategically

WHAT YOU CAN LOOK FOR

- ✓ Highly threatened coastal ecosystems
- ✓ High economic dependence on coastal resources
- ✓ Good governance
 - Transparency in decision making
 - Legal framework, enforcement ability
 - Local control over resource management / revenue

New Guidebook:

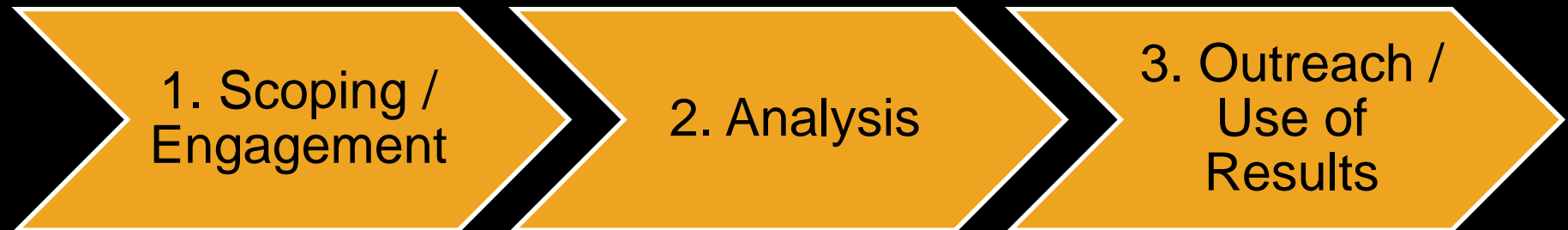
Replicating the enabling conditions



- The CARIBSAVE Partnership
- Centre for Resource Management and Ecosystem Studies (CERMES), University of the West Indies (UWI), Cave Hill, Barbados
- Conservation Strategy Fund
- Coral Reef Alliance
- Marine Ecosystem Services Partnership (MESP)
- Natural Capital Project
- The Nature Conservancy
- Nicholas Institute for Environmental Policy Solutions, Duke University
- Organization of American States
- United Nations Environment Programme – Caribbean Environment Program (UNEP-CEP)
- University of North Carolina Wilmington
- WWF Conservation Science Network

New Guidebook:

Replicating the enabling conditions



Phase 1: Scoping / Engagement

- 1.1 Identify policy question
- 1.2 Consider the context
- 1.3 Review previous valuation studies
- 1.4 Identify and begin to engage stakeholders
- 1.5 Identify decision makers and other target audiences and draft communications strategy

Phase 2: Analysis

- 2.1 Develop scenarios
- 2.2 Analyze changes in ecosystem services
- 2.3 Choose valuation method(s)
- 2.4 Collect and analyze data
- 2.5 Account for risk and uncertainty
- 2.6 Apply decision support tools
- 2.7 Report all valuation results clearly

Phase 3: Outreach and Use of Results

- 3.1 Develop non-technical products for decision makers
- 3.2 Communicate results to decision makers
- 3.3 Share study and results with valuation community
- 3.4 Monitor and assess impact

Other resources and next steps

- 2-page checklist
- Spanish translations
- Pilot applications
- Training and capacity building



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Thank you!
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Photo: Olivier Langrand