

Presentation given at the Marine Katoomba meeting

**Katoomba XVI:
Building a Blueprint to Harness New Investment for the Protection
of Marine and Coastal Ecosystem Services**

February 9-10, 2010

Moore Foundation, Palo Alto, CA

Hosted by the Katoomba Group



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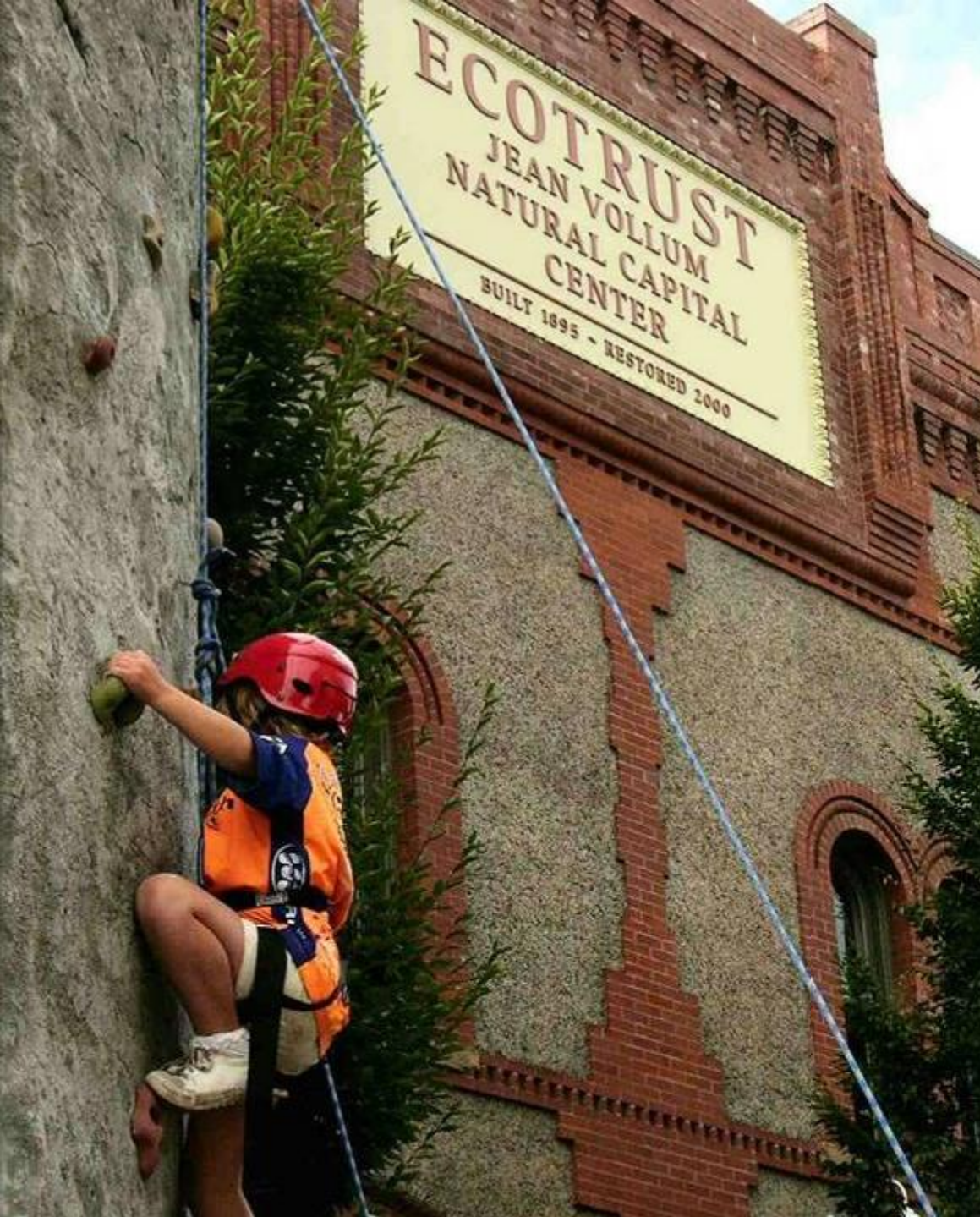
The Role of Civil Society in Catalyzing Market-based Marine Conservation

Towards developing a Fund for Marine Conservation

***Astrid J. Scholz, Ph.D., Ecotrust
2010 Katoomba Group Meeting XVI, February 9-10, Palo Alto***

Outline

- Quick recap of marine ecosystem services
- Three large numbers
- Concept sketch for a marine ecosystems fund
- The role of civil society: what we can do today for a future fund



*innovate, invest,
inspire...*

Founded in 1991 to foster triple-bottom-line outcomes in communities from California to Alaska through knowledge and capital

First environmental bank, Shorebank Pacific

First forest land investment fund, Ecotrust Forest, LLC.

North Pacific Fisheries Trust

Award-winning OCEAN software for Marine Spatial Planning

Valuing the ocean

- Oceans cover 70% of the planet
- Provisioning services
 - fish and other seafoods
 - materials
 - energy
- Regulating services
 - maintaining hydrological and climate balances
 - providing nursery areas for fisheries species
 - nutrient cycling and waste processing, etc.
 - Providing grow out areas for aquacultured /farmed species
- Cultural, recreational and spiritual services

\$1.9 – 7.7 billion

- Size of the estimated average annual funding gap for conservation financing over the next 40 years.

The screenshot shows the Island Press website. The header includes the Island Press logo with the tagline "Solutions that inspire change.", a shopping cart icon, and the phone number 1-800-621-2736. There is a search bar with a "Books" dropdown and a "Search" button, and a "Search Full Text" button. The navigation menu includes links for About Us, Books, Beyond Books, Publish with Us, Donate, Experts, Media, and Contact Us. The main content area features a sidebar with "Books by Topic" (Global Systems, Natural Systems, Human Systems, Built Environment) and social media links (Email, Print, RSS, Bookmark). The main text announces the "Western Conservation Finance Boot Camp" with details about the funding gap, the event's purpose, registration dates (February 1-5, 2010), limited participation (20 people), and a \$1,000 tuition. It states that registration is closed. A right sidebar titled "Stay Connected" offers an email subscription and "Island Blogs" featuring a post by Terry Tamminen on "The Carbon Cops?".

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Western Conservation Finance Boot Camp

Experts estimate that the average annual funding gap for conservation financing will be between \$1.9 billion and \$7.7 billion over the next 40 years.

The conservation community is innovating to fill this enormous gap! The Western Conservation Finance Boot Camp will present the best thinking on financing mechanisms available nationwide, especially for the West, to the practitioners who need to answer some of these questions.

Registration
Event dates: February 1-5, 2010
Limited to 20 participants
\$1,000 Tuition

Registration is closed.
The Western Conservation Finance Boot Camp will provide the most

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\$3 billion



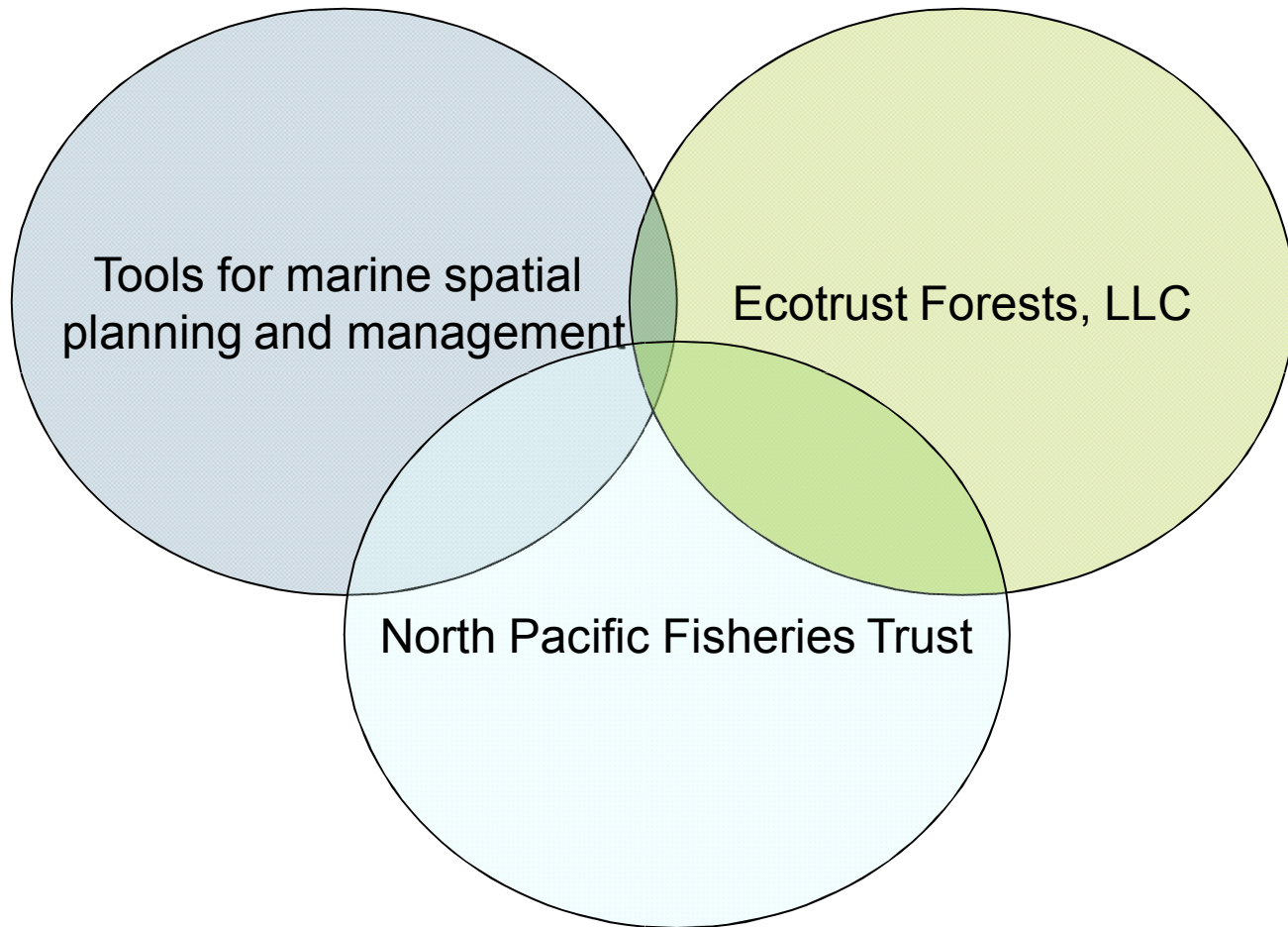
- \$300,000 = cost of developing the institutional capacity, marine spatial planning, and fisheries certification to realize ecosystem based management and economy in one community in the Coral Triangle
- There are 10,000 communities in the Coral Triangle ...
- There are 63 other large marine ecosystems in the world...

\$2.4 trillion

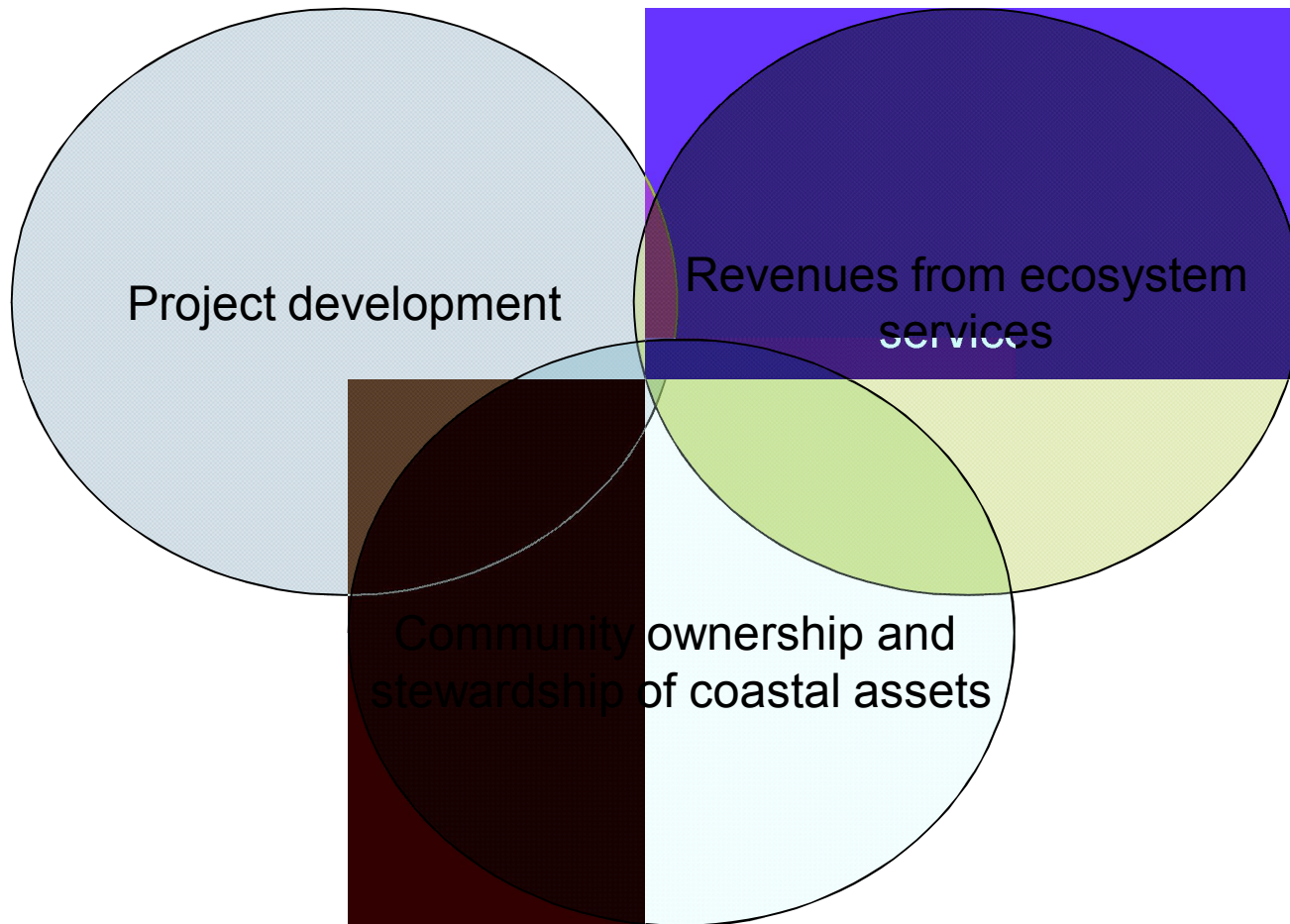
- Minimum estimate of climate services provided by frozen Arctic (Pew Environment Group, 2/5/2010)



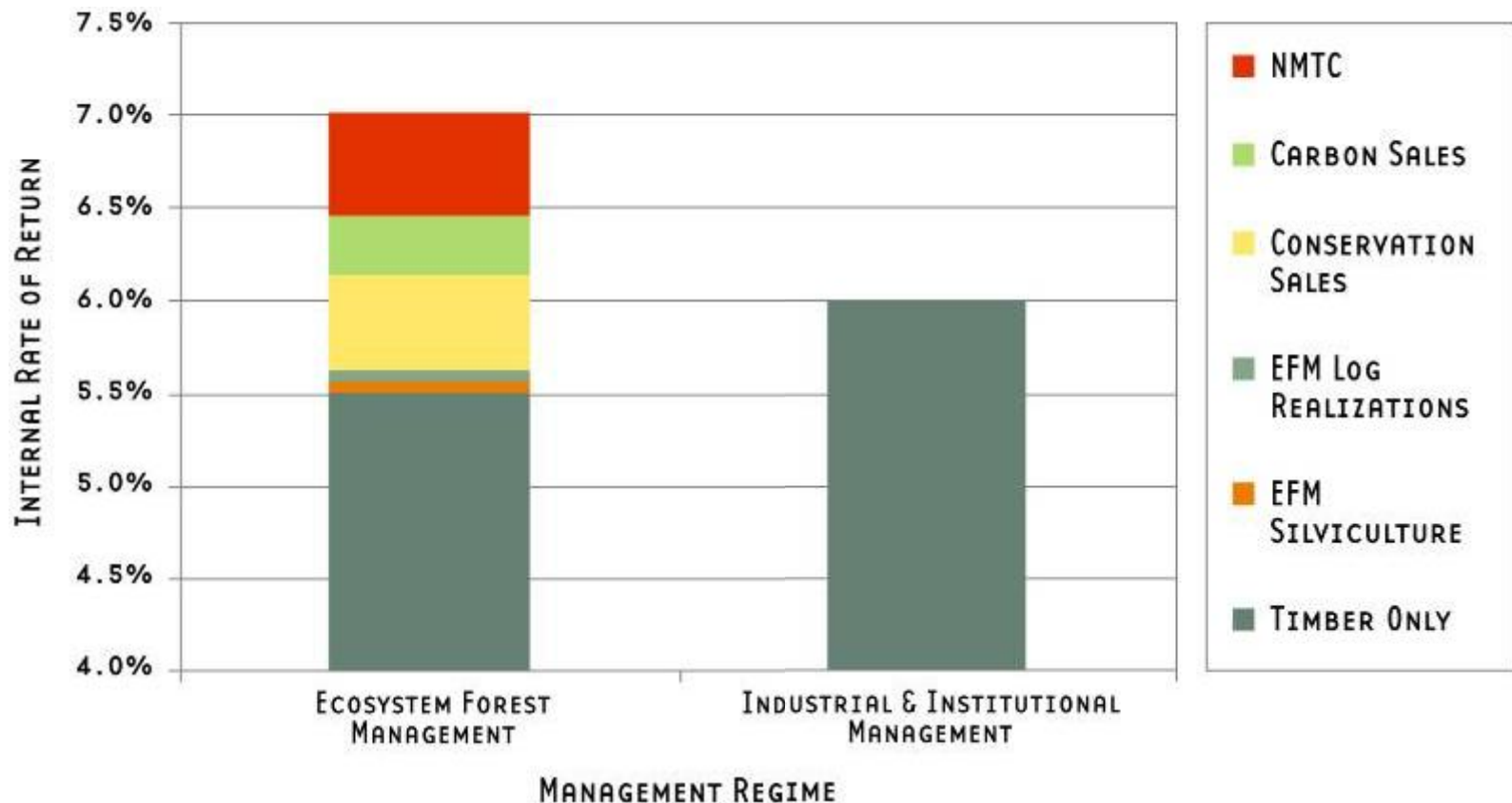
Towards a marine ecosystem fund



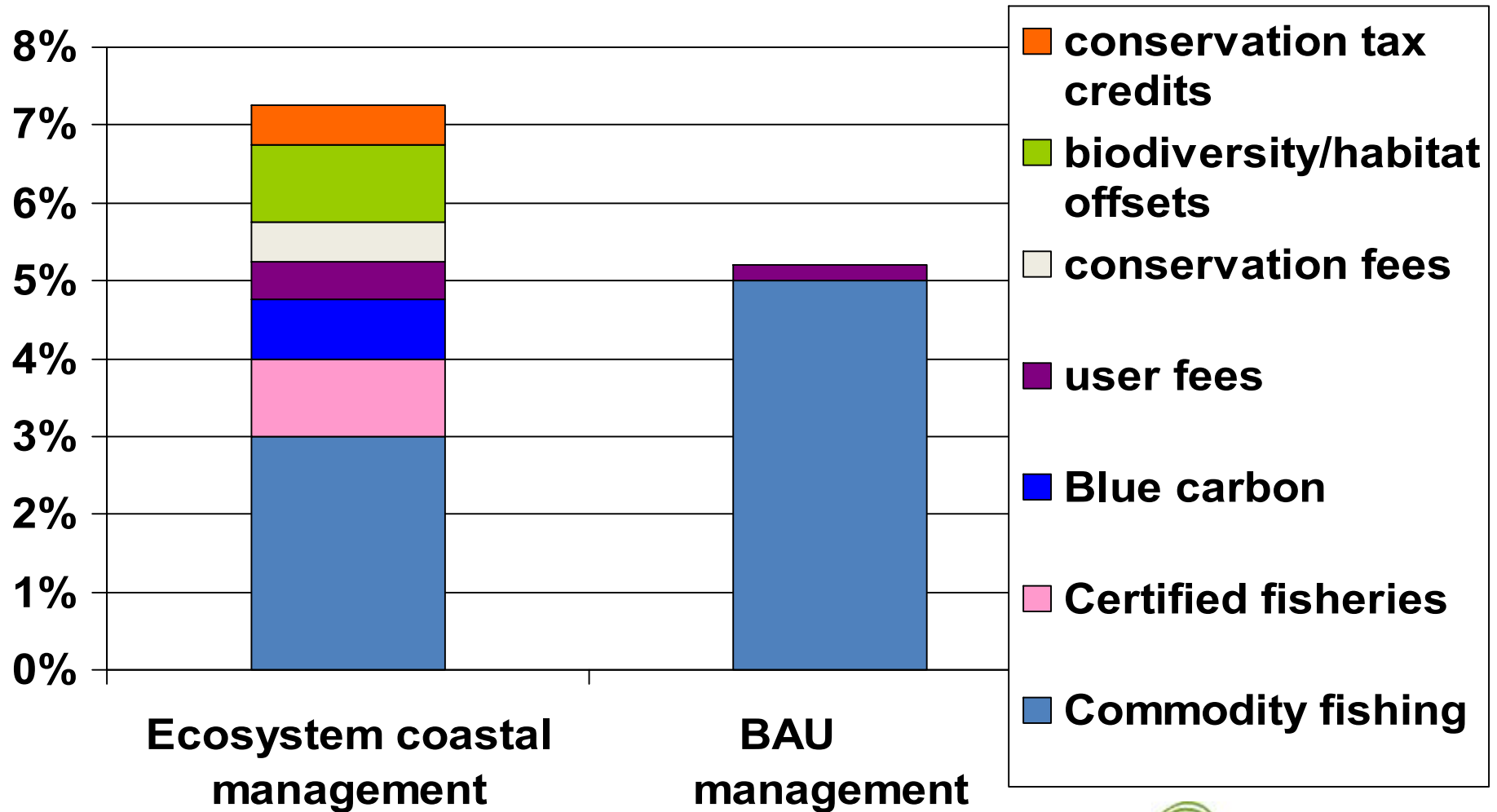
Towards a marine ecosystem fund



Layering the possible returns



Possible returns?



Foundations for private investment

Current practices	Potential
Single purpose ocean zoning (e.g., Marine Protected Areas)	Comprehensive marine spatial planning
Focus on fisheries certification for seafood/aquariums	Multiple revenue streams from intact marine/coastal ecosystems
Payment for single ecosystem services	Portfolio of ecosystem co-products (beyond carbon)
Public policy or private property approaches to management	Community structures for local stewardship of coastal assets
Ecosystem service valuation from “30,000 foot” level	“Transaction strength” accounting, protocols and registries
Prototype marine conservation agreements	Transferable international contractual vehicles

Next steps

- Continue exploration and feasibility study
- Continue learning from marine spatial planning processes and market-based fisheries reform
- Continue developing tools and models for decision-support, community based marine/coastal ventures, marine/coastal ecosystem service valuation
- Seek synergies and proof of concept opportunities

Questions?

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