Saving Nemo

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Saving Nemo: New Approaches to Ecosystem Management for Oceans

Larry Crowder
Center for Ocean Solutions
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The Center for Ocean Solutions mission is to integrate cutting-edge science and technology with economic, social and political expertise to develop practical solutions to the challenges facing the oceans.

Packard Foundation-supported Big Think—Designing solutions and strategies: Realizing a future for the oceans where the needs of people and nature are aligned.
Success Stories in Marine Conservation

Kemp’s Ridley Sea Turtle declined to ~300 nesting females in 1986.
Success Stories in Marine Conservation

Beach protection and TEDs promoted recovery to >21,000 nests last year.
Reasons for Hope and Caution

Richards et al. (2008)

Robert Simmon, NASA
Looking Ahead…

Projections for 2050 and beyond are cause for Urgent Action

- Trends in Human Population, Consumption, Urbanization and Technology and Implications for Global Security

- Trends in Ocean Commerce and Energy Development Climate Change Emissions Projections and Related Impacts on Oceans
# Strategies and Tools

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<td>Reduce Counterproductive Market Signals (e.g., subsidies)</td>
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Designing Solutions and Strategies

Work With Nature: Invest in Natural Coastal Habitats as a Climate Adaptation Strategy

Gary Griggs

Surfrider Foundation
Designing Solutions and Strategies

Work With Nature: Invest in Natural Coastal Habitats as a Climate Adaptation Strategy
Designing Solutions and Strategies

Strategy Fusion: Integrate Conservation Areas (MPAs) and Fisheries Management

John Annala, Gulf of Maine Research Institute (2011)
Mainstream marine stewardship into the everyday work of infrastructure and energy planning and development, human settlement development, climate change adaptation.

Time-tested strategies, like MPAs and fisheries reform, deserve continued support and innovation. These strategies take time to bloom.

Fuse, or link, strategies and tools.
Acknowledgments

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