

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

Interventions to Increase the Resilience of Coral Reefs

Meeting 4 Agenda

October 30, 2018

National Academy of Sciences Building
2101 Constitution Ave NW | Washington, DC 20418
Room 250

Meeting Goal: Discussions at the meeting will explore the advantages and limitations of various decision tools that may be used to evaluate the risks and benefits on implementing novel approaches for improving coral resilience. This meeting is one component of the information-gathering activities that may inform the deliberations of the National Academies' Committee on Interventions to Increase the Resilience of Coral Reefs.

- 8:30 AM *Breakfast*
- 9:00 AM **Introduction**
Stephen Palumbi, *Stanford University, Committee Chair*
- 9:15 AM **Risk and the relationship of risk to decision making**
Trina von Stackelberg, *Harvard University, Committee Member*
- 10:15 AM *Break*
- 10:30 AM **Overview of decision analysis tools and their utility**
Mitchell Small, *Carnegie Mellon University*
- 11:00 AM **Decision science for ecological conservation**
Hugh Possingham, *The Nature Conservancy and University of Queensland*
- 11:30 AM **Discussion**
- 12:30 PM *Lunch*
- 1:30 PM **Strawman decision models**
Structured Decision Making: Michael Runge, *U.S. Geological Survey*
Bayesian Belief Network: Ken Anthony, *Australian Institute of Marine Science, Committee Member*
Multi-attribute Utility Analysis: Trina von Stackelberg, *Harvard University, Committee Member*
- 3:30 PM *Break*

- 3:45 PM **Application of Coral Reef Decision Models in Guánica Bay, Puerto Rico**
Bill Fisher and John Carriger, *U.S. Environmental Protection Agency*
- 4:30 PM **Coral Restoration Consortium Management Working Group**
Liz Shaver, *Reef Resilience Network (remote)*
- 5:00 PM *Adjourn*

Note: Comments of any given committee member may not necessarily reflect the position he or she may actually hold on the subject under discussion. Any inference about an individual's position regarding findings or recommendations in the interim or final report is therefore premature. Sample decision models have been developed for discussion purposes only and do not represent an outcome of committee deliberations.