



NOAA
FISHERIES

Introduction to the Special Session on the Economics of Bycatch

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Management Approaches

- Despite the sustained efforts made during the last decades to reduce it, the accidental capture of living marine resources (bycatch), sometimes followed by their discarding at sea, remains an important point of friction between fisheries and biodiversity governance systems, particularly when emblematic or endangered species are concerned.
- Bycatch reduction practices have traditionally focused on command-and-control measures (e.g., time-and-area closures, effort reduction) or technology standards (e.g., mesh size, hook types, bycatch excluder devices).
- Incentive-based bycatch reduction practices such as use rights, taxes, credit schemes, or insurance give vessels greater flexibility to devise cost-effective solutions of their own making. These systems bring privately held information to bear and can incentivize innovation and cooperation.
- Incentives for bycatch reduction are increasingly arising out of consumer markets and standards and certification in the supply chain, as well as through policy instruments.
- The purpose of this special section on the economics of bycatch is to address incentive-based approaches grounded in economics. The special session will present a mix of case studies and conceptual and theoretical papers.



Plan for the Session : Part 1

- Dale Squires, Jenny Sun, James Hilger, Valerie Chan, Mark Helvey, Samuel F. Herrick Jr., Stephen Stohs, and Kathleen Segerson - "Conservation of Global Public Goods: The Endangered Species Act and Pacific Sea Turtles."
- Alan Haynie - "Bycatch Management in Alaska Groundfish Fisheries"
- Olivier Thebaud – "Modeling the impacts of a discard ban in a mixed fishery under catch-quota management"
- Chris Anderson – "A Real Options Approach to Modeling Fishery Participation"



Plan for the Session : Part 2 (13:30 today)

- Chris Martin and Dan Holland. "Cooperative Bycatch Management in Pacific Whiting Fishery in Concept and in Practice."
- Rebecca Lent and Lisa Ballance. "Marine Mammal Bycatch"
- Kathryn Bisack and Patrica Clay. "Incentives and Disincentives to Compliance with Protected Species Regulations in the US Northeast Gillnet Fleet: Combining Models and Focus Groups"
- 30-minute Panel Discussion Moderated by Doug Lipton
 - Kathryn Bisack U.S. National Marine Fisheries Service
 - Haynie, Alan U.S. National Marine Fisheries Service
 - Holland, Dan U.S. National Marine Fisheries Service
 - Lent, Rebecca U.S. Marine Mammal Commission
 - Squires, Dale U.S. National Marine Fisheries Service