

AGENDA

Monday, 17 May 2010

13:00 Registration Opens in Skyview

SESSION 1: Measuring and Monitoring Bycatch (Moderator: Steve Teo)

14:00 Welcome and Introduction (Pineview Theater)

14:10 Issues on tuna purse-seine bycatch information worldwide
E. Altamirano and M. Hall

14:30 Identifying areas with high rates of bycatch: can we consider a linear relationship between bycatch and tuna catch?
Monin-Justin Amandè, Nicolas BEZ, Laurent Dagorn and Pierre Chavance

14:50 Capacity estimation and bycatch reduction: An application to the western and central Pacific purse seine fishery and bigeye tuna
Eric Janofsky

15:10 Standardizing fishing gear descriptions for fisheries and bycatch studies
Takahisa Mituhasi, Martín Hall, Marlon Román, Wilbert Marin, Simón Chapilliquén, Manuel Parráles, Jorge Villavicencio, Lilita Rendón, Erick Largacha, Marcos Loo, Mario Quirós, Berny Marin, Ronaldo Gutiérrez, Salvador Siu, Celina De Paz, Manuel Ixquiác, Samuel Ramos, Antonio Murillo, and Abel Pérez

15:30 Beyond dolphin-safe: distinguishing sustainable tuna in the marketplace
Robin Pelc

15:50 Coffee Break

SESSION 2: Behavior and Survival Inferred from Tagging I (Moderator: Dan Cartamil)

16:10 Horizontal and vertical movements of satellite tracked blue shark around the Azores, Central North Atlantic
Pedro Afonso, Frédéric Vandeperre, Marco Santos, Jorge Fontes, Alexandre Aires-da-Silva and Ricardo S. Santos

16:30 Post-release survival of blue sharks captured in the California-based drift gillnet fishery
Natalie Spear, Lyle Enriquez and Suzanne Kohin

16:50 Oceanic spatial behavior and the impact of pelagic longline fishery on loggerhead sea turtles (*Caretta caretta*) in the wider Azores region
Marco Aurélio Robalo dos Santos, Alan Bolten, Frederic Vandeperre, Pedro Afonso and Karen Bjorndal

SESSION 3: Gear Modifications I (Moderator: Dan Cartamil)

17:10 Bluefin tuna bycatch mitigation research in the Gulf of Mexico yellowfin tuna pelagic longline fishery
Daniel Foster and Charles Bergmann

17:30 Catch and bycatch effects of large circle hooks in a tuna longline fishery
Daniel Curran and Keith Bigelow

17:50 'Welcome Gathering Party' in the Tavern (Continued After Dinner)

18:30 Dinner

Socializing in the Tavern

20:00 Video Viewing Session (Pineview)

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8:00 Breakfast

SESSION 4: Gear Modifications II (Moderator: Yonat Swimmer)

9:00 New designs of drifting fish aggregating devices to avoid ghost fishing of sea turtles and sharks
Gala Moreno, Igor Sancristobal, Jose Franco and Laurent Dagorn

9:20 Reducing Sea Turtle entanglements from the Eastern Pacific artisanal surface longline fisheries
*Takahisa Mituhasi, Yoshiro Hara, Manuel Parráles, Jorge Villavicencio, Liliana Rendón, Cleridy Lennert-Cody, Nicholas Vogel, and **Martín Hall***

9:40 Using visual cues to reduce sea turtle interactions with fishing gear
John H. Wang, Shara Fisler and Yonat Swimmer

10:00 Effects of Nd/Pr alloy on catch rates of pelagic and coastal shark species
Melanie Hutchinson, J.H. Wang, S. Kohin, H. Dewar, R. Vetter, J. Wraith, Y. Swimmer and K. Holland

10:20 Coffee Break

SESSION 5: Behavior and Survival Inferred from Tagging II (Moderator: David Kerstetter)

10:40 Depth distribution and temperature preferences of wahoo (*Acanthocybium solandri*) in the eastern North Pacific
Chugue Sepulveda, Scott A. Aalbers, Sofia Ortega-Garcia, Nick Wegner and Diego Bernal

11:00 Geographic variation in movements, behavior, and habitat of yellowfin tuna in the Eastern Pacific Ocean, ascertained from archival tags
Kurt Schaefer, Daniel Fuller and Barbara Block

11:20 Behavioural and environmental influences on the distribution of striped marlin (*Kajikia audax*) in the southwest Pacific Ocean: Results from behavioural modelling of individual movements
Tim Sippel, John Holdsworth, Todd Dennis and John Montgomery

11:40 Defining habitat utilization for striped marlin in the Pacific
Chi H. Lam, Nicole Nasby-Lucas and Michael L. Domeier

12:00 Lunch

SESSION 6: Management Strategies (Moderator: Shane Griffiths)

13:00 It's about total removals, not just the bycatch: Metrics of ecosystem impact of the ETP purse-Seine fishery
Robert Olson, Tim Gerrodette, Stephen Reilly, George Watters and William Perrin

13:20 Swordfish bycatch in the Hawaii-based deep-set pelagic longline fishery: Does the current management regime promote regulatory discards?
Russell Y. Ito, William A. Walsh and Karen L. Sender

13:40 Does live release provide an effective means of reducing fishing mortality on istiophorid billfishes?
John E. Graves and David Kerstetter

14:00 Trade-offs in the design of fishery closures: Management of silky shark bycatch in the Eastern Pacific Ocean tuna fishery

Jordan T. Watson, Timothy E. Essington, Cleridy E. Lennert-Cody and Martín A. Hall

14:20 Coffee Break

14:40 The cost of juvenile fishing: bycatch in the western and central Pacific Ocean tuna purse seine fishery

Megan Bailey and U. Rashid Sumaila

15:00 The economic value of bycatch reduction

Stephen M. Stohs

SESSION 7: Recreational Fisheries

(Moderator: Bill Bayliff)

15:20 Wall Street or Pacific Stocks? An analysis of the historical drivers of sportfishing demand

James Hilger and Eric Janofsky

15:40 Description of the historical and current south Florida recreational tournament fishery for swordfish, *Xiphias gladius*

Elaine Brewer and David Kerstetter

15:50 Catching the uncatchable: Use of respondent-driven sampling for obtaining representative catch estimates for target and bycatch species in specialized sport fisheries

Shane P. Griffiths, Kenneth H. Pollock, Jeremy M. Lyle, Julian G. Pepperell, Mark L. Tonks and Bill Sawynok

16:30 Poster Session (See List of Posters) and “Sushi Party” in Lakeview – Sashimi donated by Prime Time Seafood, Inc.

18:30 Dinner

Socializing in the Tavern

20:00 A Hands-On Introduction to TrackIt – Tim Lam (Lakeview)

20:00 Summary and discussion of the Sukarrieta meeting on bycatch in tuna purse seine FAD fisheries, November 2009 - Martin Hall, Gala Moreno and Laurent Dagorn (Pineview)

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8:00 Breakfast

SESSION 8: Fish Aggregating Devices (FADs)
(Moderator: William Walsh)

9:00 The evolution of FADs in the tuna purse-seine fishery of the Eastern Pacific Ocean
Marlon H. Román-Verdesoto, Martín Hall and Nickolas W. Vogel

9:20 Behavior of the primary shark bycatch species by purse seiners, the silky shark, around drifting FADs
John D. Filmalter and Laurent Dagorn

9:40 Where'd they go? The behavior of tuna after they leave FADs
Kim Holland, David Itano and Laurent Dagorn

10:00 Studying fish aggregations around drifting FADs using fishers' echosounder bouys
Gala Moreno, Yolanda Sagarminaga, Dorleta García and Igor Sancristobal

10:20 Coffee Break

SESSION 9: Stock Structure I
(Moderator: Keith Bigelow)

10:40 Is there stock heterogeneity in north Pacific albacore entering the North American west coast fishery?
R. Michael Laurs

11:00 Discrimination of age-0 Pacific bluefin tuna from two different spawning grounds in length-frequency distributions
Kazuhiro Oshima, Momoko Ichinokawa and Yukio Takeuchi

11:20 Genetic analysis of population structure of striped marlin in the Pacific Ocean
Catherine M. Purcell and Suzanne Edmands

11:40 Use of nuclear genetic markers and Bayesian clustering to infer population admixture and neighboring stock bycatch in Atlantic swordfish (*Xiphias gladius*)
Brad L. Smith

12:00 Lunch

SESSION 10: Stock Structure II

(Moderator: Marty Golden)

13:00 Genetic structure of dolphinfish, *Coryphaena hippurus*, in the Gulf of California using microsatellite loci

Miguel A. Tripp-Valdez, Francisco J. García de León, Sofía Ortega-García, Daniel Lluch-Cota, Juana López-Martínez and Pedro Cruz

13:20 Back to basics for bycatch: Using parasites and morphometrics to assess stock structure of wahoo, *Aconthocybium solodri*, in Australian waters

Mitchell T. Zischke, Shane P. Griffiths, Robert J. G. Lester and Ian R. Tibbetts

SESSION 11: Growth and Morphology

(Moderator: Marty Golden)

13:40 Review of joint research activities at the IATTC's Achatines Laboratory

Vernon Scholey, Dan Margulies, Jeanne Wexler and Maria Santiago

14:00 Stage-specific density effects on growth in early stages of yellowfin tuna, *Thunnus albacares*

Jeanne Wexler, Dan Margulies, Maria Santiago and Vernon Scholey

14:20 Ram ventilation in the shortfin mako, *Isurus oxyrinchus*: oxygen utilization and the bronchial pressure gradient

Nicholas C. Wegner, N. Chin Lai, Kristina B. Bull and Jeffrey B. Graham

14:40 Coffee Break

SPECIAL SESSION: BYCATCH IN GLOBAL TUNA FISHERIES

15:00 Introduction: The Kobe Process and the Bycatch Workshop – **Rebecca Lent**

15:10 Overview of Global Tuna Fishery Bycatch Issues – **Nicole LeBoeuf**

Improving assessment and mitigation of bycatch in Tuna RFMOs
(Moderator: Mark Helvey)

15:40 Bycatch assessment – **Guillermo Diaz**

15:55 Bycatch mitigation – **John Graves**

16:10 Overview of economic approaches/incentives – **Dale Squires**

- 16:25 Collaboration and outreach – **Martín Hall**
- 16:40 Moderator wrap up – **Mark Helvey**
- 16:50 DISCUSSION
(Moderator: Liz English)
- 17:35 Concluding Remarks – **Rebecca Lent**
- 18:00 Business Meeting (Pineview)
- 18:30 Dinner – Tuna Barbeque
- 20:00 CAMPFIRE (Frontier Village)
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Thursday, 20 May 2010

8:00 Breakfast

SESSION 12: Tag Design (Moderator: Tim Sippel)

9:00 New tagging technologies increase position accuracy, tag capabilities, and sample size
Thomas Gray

9:20 Determining transmitter drag and best-practice attachment procedures for biotelemetry studies on sea turtles
T. Todd Jones, Brian Bostrom, Michael Carey, Jon Mikkelsen, Yonat Swimmer, Jeffrey A. Seminoff and David R. Jones

SESSION 13: Modeling Spatial Structure (Moderator: Tim Sippel)

9:40 Spatial and seasonal distribution of 0-age Pacific bluefin tuna (*Thunnus orientalis*) based on analysis of Japanese troll fishery catches
Momoko Ichinokawa, Kazuhiro Oshima and Yukio Takeuchi

10:00 An evaluation of spatial structure in the stock assessment of bigeye tuna in the eastern Pacific Ocean
Alexandre Aires-da-Silva and Mark Maunder

10:20 Dynamic habitat mapping for large pelagic species of the California Current
Stephanie Snyder, Daniel Harrison, Suzanne Kohin, Ed Armstrong, Frank O'Brien and Dale Kiefer

10:40 Coffee Break

SESSION 14: Specialized Habitats
(Moderator: Michael Laurs)

11:00 Habitat utilization and trophic ecology for three co-occurring tuna species in the EPO
Daniel Madigan, Aaron Carlisle, Kurt Schaefer and Barbara Block

11:20 Characterisation of the physical environment at Cross Seamount and its effects on micronekton
Réka Domokos

11:40 Nursery habitat of juvenile common thresher shark (*Alopias vulpinus*) in U.S. and Mexican waters
Daniel Cartamil, Miguel Escobedo-Olvera, Omar Santana-Morales, Oscar Sosa-Nishizaki, Suzanne Kohin, Nick Wegner, Dovi Kacev and Jeffrey Graham

12:00 Lunch

13:00 End of Conference