

**PFRP Principal Investigators Workshop**  
**GLOBEC-CLIOTOP WG3 Workshop**  
**November 14 -17, 2006**  
*The Role of Squid in Pelagic Marine Ecosystems*

Time	Presenter	Provisional Title
8:30 AM		<b>Gathering and re-cafeination</b>
		<b>Tuesday, November 14</b>
9:00 AM	John Sibert	Introductory Remarks
9:20 AM	Patrick Lehodey	<i>Introduction to CLIOTOP</i>
9:40 AM	Shichao Li Minling Pan Samuel G. Pooley	Evaluation of Fishing Opportunity under the Sea Turtle Take Cap for Hawaii Swordfish Fishery Using a Spatial Bioeconomic Model
10:00 AM	Minling Pan Adam Griesemer <b>Rusyan Jill Mamiit</b>	Valuation of Recreational Fishery - a Case Study on the Open Boat Fishing Tournaments in Hawai'i
10:20 AM		<b>Break</b>
10:40 AM	Minling Pan Quang Nguyen	Technological Adoption and its Impact on Fishing Capacity and productivity
11:00 AM	Ed Glazier	Hawaii's Small-Boat Private FAD Fishery: Operational Dynamics and Considerations for Management
11:20 AM	David Itano Kim Holland John Hampton	Papua New Guinea/SPC Tuna Tagging Project: PRFP linking to the bigger picture
11:40 AM	Kim Holland	Overview of recent electronic tagging and tag development in Hawaii
12:00 PM		<b>Lunch Break</b>
1:30 PM	Heidi Dewar	The ups and downs of swordfish and satellite tagging
1:50 PM	John Sibert Anders Nielsen	Errors in estimating latitude from light measurements
2:10 PM	Anders Nielsen John Sibert	State space model for estimating geographic positions from light measurements
2:30 PM	Eric Gilman	Efficacy and Commercial Viability of Regulations Designed to Reduce Sea Turtle Interactions in the Hawaii-Based Longline Swordfish Fishery
2:50 PM		<b>Break</b>
3:10 PM	Yonat Swimmer Milani Chaloupka Chris Boggs	Bayesian semiparametric modelling of factors affecting post-release mortality of loggerheads in the North Pacific: Preliminary results
3:30 PM	Milani Chaloupka	Bayesian spatial hazard rate modelling of pelagic longline fishery interactions with loggerhead sea turtles in the Pacific
3:50 PM	Selina Heppell <b>Molly Lutcavage</b>	<i>Comparing sea turtle distributions and fisheries interactions in the Atlantic and Pacific: Report of Second Workshop</i>
04:10 PM		<b>Adjourn</b>
		<b>Reception, posters, software demonstrations- Wailana Room, Garden Level</b>

**PFRP Principal Investigators Workshop**  
**GLOBEC-CLIOTOP WG3 Workshop**  
**November 14 -17, 2006**  
*The Role of Squid in Pelagic Marine Ecosystems*

Time	Presenter	Provisional Title
		<b>Wednesday, November 15</b>
8:30 AM		<b>Gathering and re-cafeination</b>
9:00 AM	David S Kirby Karine Briand Valerie Allain Marie-Laure Coudron Adam Langley	Regime shifts & recruitment: ocean climate/ecosystem variability and links to tuna recruitment
9:20 AM	Michael Laurs David Foley Michael Musyl	Update on research regarding identification and utilization of ocean habitats by large Pacific sharks using pop-up satellite archival tags, oceanic satellite remote sensing and SODA simple ocean data simulation model analysis
9:40 AM	Lisa De Forest Jeff Drazen	Effect of seamounts on mesopelagic micronekton community structure around Hawaii
10:00 AM	Brittany Graham Brian Fry Robert Olson Valerie Allain Felipe Galvan Brian Popp	From Pelagic Predators to Primary Production: Using Isotope Biogeography to Understand Tropical Tuna Foraging Behavior, Migration, and the Nutrient Dynamics of the Equatorial Pacific.
10:20 AM		<b>Break</b>
10:40 AM	Patrick Lehodey	From mixed-resolution to mixed effects: Climate and Fishing Impacts on the Spatial Population Dynamics of Tunas - A CLIOTOP WG4 - PFRP funded project
11:00 AM	Inna Senina John Sibert Patrick Lehodey	Adjoint-based parameter estimation for the spatially explicit model of large pelagics (with application to skipjack tuna)
11:20 AM	Mary Hunsicker Tim Essington	Intra-guild predation and cannibalism in pelagic predators: implications for the dynamics, assessment and management of Pacific tuna populations
11:40 AM	Jock Young Robert Olson Valerie Allain Jeffrey Dambacher Alistair Hobday	Examining latitudinal variation in food webs leading to top predators in the Pacific Ocean: an introduction.
12:00 PM		<b>Lunch Break</b>
1:30 PM	Marco Kienzle	Oceanographic influence on albacore catch from the American Samoa longline fleet
1:50 PM	Reka Domokos	Oceanographic Influences on Albacore and its Forage in the American Samoa Longline Fishing Grounds
2:10 PM	Bill Walsh	Preliminary Results with Shark Bycatch in the HI-based Longline fishery
2:30 PM	Keith Bigelow	Performance of Longline Catchability Models in Assessments of Pacific Highly Migratory Species
2:50 PM	Pierre Kleiber	Stock assessment of blue sharks in the North Pacific
3:10 PM		<b>Adjourn</b>
3:30 PM		

**PFRP Principal Investigators Workshop**  
**GLOBEC-CLIOTOP WG3 Workshop**  
**November 14 -17, 2006**  
*The Role of Squid in Pelagic Marine Ecosystems*

Time	Presenter	Provisional Title
	<b>Special Session -CLIOTOP WG3</b>	
	<b>The Role of Squid in Pelagic Marine Ecosystems</b>	
	<b>Thursday, November 16</b>	
8:00 AM		<b>Gathering and re-caffeination</b>
8:30 AM	Robert Olson	Workshop Introduction: Why are cephalopods important to tuna fisheries ecologists?
8:45 AM	Ron O'Dor	Keynote: Are squid replacing fish?
9:15 AM	Hugo Arancibia	Assesing the potential role of predation by jumbo squid ( <i>Dosidicus gigas</i> ) and fishing on small-pelagics (common sardine <i>Strangomera bentincki</i> and anchovy <i>Engraulis ringens</i> ) and common hake ( <i>Merluccius gayi</i> ) in central Chile, 33° S - 39° S.
9:45 AM	William Gilly	Horizontal and vertical migrations of <i>Dosidicus gigas</i> in the Gulf of California revealed by electronic tagging
10:15 AM		<b>Break</b>
10:45 AM	Cesar A. Salinas-Zavala	Jumbo squid ( <i>Dosidicus gigas</i> d'Orbigny, 1835) studies in Mexico: fishery, ecology, and climate
11:05 AM	Alexander Arkhipkin	The role of squid in linking marine ecosystems
11:35 AM		<i>Discussion of biology and ecology (Gilly)</i>
12:20 PM		<b>Lunch Break</b>
1:20 PM	Enzo Acuña	Artisanal catches of <i>Dosidicus gigas</i> off Coquimbo, Chile and their relation to environmental variables
1:40 PM	Yasunori Sakurai	How climate change might impact squid populations and the ecosystems - as an example of Japanese common squid
2:10 PM	Eric Hochberg	<i>Dosidicus gigas</i> distribution: Are northern incursion events driven by oceanographic conditions?
2:30 PM		<b>Break</b>
3:00 PM	Rui Rosa	Effect of high CO <sub>2</sub> on the metabolism of jumbo squid <i>Dosidicus gigas</i>
3:20 PM	Taro Ichii	Long-term changes in stock abundance of the neon flying squid, <i>Ommastrephes bartramii</i> , in relation to climate change and fishery in the North Pacific
3:50 PM	George Jackson	Potential impacts of climate change on loliginid squid: biology, ecology and fisheries
4:20 PM		<i>Discussion of climate impacts (Jackson/Sakurai)</i>
5:05 PM		<b>Adjourn</b>
		<b>Dinner at exclusive Honolulu Restaurant</b>

**PFRP Principal Investigators Workshop**  
**GLOBEC-CLIOTOP WG3 Workshop**  
**November 14 -17, 2006**  
*The Role of Squid in Pelagic Marine Ecosystems*

<b>Time</b>	<b>Presenter</b>	<b>Provisional Title</b>
		<b>Friday, November 17</b>
8:30 AM		<b>Gathering and re-cafeination</b>
8:50 AM	Jock Young	Introduction to second day/housekeeping
9:00 AM	Molly Lutcavage	Squids in stomach contents analysis of large pelagic fishes in the northwest Atlantic Ocean
9:20 AM	John Field	The jumbo squid, <i>Dosidicus gigas</i> , a new groundfish predator in the California Current?
9:40 AM	Felipe Galván-Magaña	Cephalopod prey of the apex predator guild in the epipelagic eastern Pacific Ocean
10:00 AM		<b>Break</b>
10:30 AM	Francis Juanes	Prey size-predator size relationships of squid and their predators in the Northwest Atlantic
10:50 AM	Unai Markaida	Trophic ecology of jumbo squid <i>Dosidicus gigas</i> in the Gulf of California and adjacent waters
11:20 AM	Iliana Ruiz-Cooley	Use of stable isotopes to examine foraging ecology of jumbo squid ( <i>Dosidicus gigas</i> )
11:40 AM	Enzo Acuña	Use of fatty acids in the study of feeding habits of <i>Dosidicus gigas</i> off Chile
12:00 PM		<b>Lunch Break</b>
1:00 PM		<i>Discussion of trophic links (Lutcavage/Markaida)</i>
1:45 PM	Graham Pierce	Modelling environmental influences on squid life history, distribution, and abundance
2:15 PM	Matthew Parry	A simple model of the ecological impact of two Ommastrephid squids
2:35 PM	Mary Hunsicker	The direct and indirect contribution of cephalopods to marine fisheries
2:55 PM		<b>Break</b>
3:25 PM		<i>Discussion of modeling (Pierce) and general discussion (O'Dor)</i>
5:00 PM		<b>Adjourn</b>