

Theme 3 Pan-Pacific comparisons, with an emphasis on comparisons of similar species or processes from multiple coastal ecosystems and of open ocean-coastal linkages and climate connections

Friday, April 21, 2006 8:30-18:00

- 08:30-09:05 **David L. Mackas and Kazuaki Tadokoro** (Invited)
Zooplankton of the eastern and western subarctic Pacific: Similarities in the face of strong decadal variability and contrasting mean environments (T3-2680)
- 09:05-09:30 **R.C. Francis, J.E. Little, J.F. Kitchell, I. Kaplan, J.C. Field, K. Aydin, M. Dalton, S. Gaichas, J. Hinke, S. Martell, R. Olson, C. Walters and G. Watters**
Comparison of climate impacts on five fishery ecosystems of the North Pacific (T3-2645)
- 09:30-09:55 **Andrew Thomas, P. Ted Strub and Peter Brickley**
Does phytoplankton biomass vary out-of-phase in the California Current and Gulf of Alaska on interannual time scales? (T3-2660)
- 09:55-10:20 **Rubén Rodríguez-Sánchez and Daniel Lluch-Belda**
Spatial dynamics of small pelagic fish in the California Current system on the regime time-scale. Parallel processes in other species-ecosystems (T3-2700)
- 10:20-10:45 **Coffee Break**
- 10:45-11:10 **Akinori Takasuka, Yoshioki Oozeki, Hiroshi Kubota and Ichiro Aoki**
Why were anchovy and sardine regime shifts synchronous across the Pacific? (T3-2672)
- 11:10-11:35 **Akihiko Yatsu and CFAME Task Team**
Mechanistic linkages of fish population dynamics to climatic forcing: Comparative study on selected stocks representing five life-history strategies in the North Pacific (T3-2665)

- 11:35-12:00 **Douglas Hay, Kenneth A. Rose, Jake Schweigert and Bernard A. Megrey**
Geographic variation in herring populations in the North Pacific: Understanding latitudinal responses to climate change (T3-2706)
- 12:00-13:15 **Lunch**
- 13:15-13:40 **Kenneth A. Rose, Bernard A. Megrey, Shin-ichi Ito, Francisco Werner, Douglas Hay, Maki Noguchi Aita, Yasuhiro Yamanaka, Michio J. Kishi, Jake Schweigert, Matthew Birch Foster, Dan Ware, David Eslinger, Robert Klumb and S. Lan Smith**
Geographic variation in fish growth and population responses to regime shifts in the North Pacific: A comparison of herring and saury using NEMURO.FISH, a coupled fish bioenergetics and NPZ model (T3-2674)
- 13:40-14:05 **R. Ian Perry, Jake Schweigert and Kenneth A. Rose**
Carrying capacity and climate change: Drivers and responses of North Pacific fish populations (T3-2690)
- 14:05-14:30 **Randall M. Peterman, Brigitte Dorner, Steven L. Haeseker, Brian J. Pyper and Franz J. Mueter**
Kalman-filter reconstructions emphasize the importance of regional-scale (< 800 km) environmental processes in driving temporal variation in recruits per spawner in Northeastern Pacific salmon (*Oncorhynchus*) populations (T3-2681)
- 14:30-14:55 **C. Tracy Shaw, Leah R. Feinberg, William T. Peterson, Alexei Pinchuk, William Sydeman, Hiroya Sugisaki, Irina Bragina, Se-Jong Ju and Jaime Gómez-Gutiérrez**
A pan-Pacific comparison of the biology of *Euphausia pacifica* (T3-2691)
- 14:55-15:25 **Coffee Break** (Posters down by 12:00)
- 15:25-15:50 **William J. Sydeman, Yutaka Watanuki, Alexander S. Kitaysky, Christine L. Abraham, Julie A. Thayer, K. David Hyrenbach, Ken H. Morgan, Mark A. Hipfner, Leslie Slater and Chester E. Grosch**
Marine birds and ocean climate in the North Pacific: A Meta-Analysis (T3-2704)

- 15:50-16:15 **S.M. McKinnell**
Pacific salmon and climate at the onset of the 21st century;
What concepts survived the CCCC decade and what new
questions have emerged? (T3-2711)
- 16:15-16:40 **Closing Perspective Talk 1 (Makoto Kashiwai)**
- 16:40-17:05 **Closing Perspective Talk 2 (John C. Davis)**
- 17:05-17:40 **Closing Panel Discussion**
- 17:40-18:00 **Closing Session**

Posters

R. Beamish, X. Jin, A. Yatsu, S. Kim, E. Dulepova, L. Low, J. King, G. McFarlane and L. Klyashtorin
Impacts of climate and climate change on the key species in the subarctic Pacific (T3-2631)

Hyo Choi
Coastal climate influenced by air-sea interaction and moisture advection adjacent the East Sea of Korea - Winter snowfall (T3-2717)

David Hyrenbach, Chris Rintoul, Mike Henry, Ken Morgan and William Sydeman
Characterizing marine bird distributions across the subarctic North Pacific using platform of opportunity vessels (2002-2005): Seasonal and inter-annual variability (T3-2699)

Thomas C. Kline, Jr. and Steven R. Hare
Spatial and ontogenetic variability in the trophic status of Pacific halibut (*Hippoglossus stenolepis*) across its range in the Sub-Arctic Northeast Pacific Ocean and Bering Sea (T3-2657)

Andrew W. Leising, Cindy Bessey, Catherine Johnson and Jeffrey Runge
Latitudinal variation in environmental forcing of copepod overwintering and its effects on population dynamics for the copepod *Calanus pacificus* along the U.S. West Coast (T3-2685)

Michael A. Litzow, Kevin M. Bailey, Fredrick G. Prahl and Ron Heintz

Alternate lipid states in boreal fish communities: The essential fatty acid limitation hypothesis (T3-2633) (*Withdrawn*)

G.A. McFarlane, S. Kim, J.R. King, R.J. Beamish, C. Zhang and J.H. Oh

Contrast in life histories of commercially exploited marine fishes off the coasts of Canada and Korea, and changes in ecosystem structure (T3-2658)

Shadananan K. Nair

A study of the influence of Pacific anomalies on the aridity conditions and temporary climate shifts in India (T3-2654)

Vladimir I. Korochentsev, Vera A. Kochetova and Sergey A. Shevkun

Calculation of the ulf (ultra low frequency) electro-magnetic field over typhoon zone (T3-2664)

Kaori Takagi, Akihiko Yatsu, Masatoshi Moku, Chiyuki Sassa, Masayuki Noto and Hiroshi Nishida

Abundance and horizontal distributions of small epipelagic fishes and myctophids in the Kuroshio-Oyashio Transition Zone (T3-2640)

Kaori Takagi, Akihiko Yatsu, Hiroshi Itoh and Hiroshi Nishida

Possible food resource partitioning by small epipelagic fishes and myctophids in the Kuroshio-Oyashio Transition Zone - A preliminary study on copepods (T3-2639)