

FIS Paper Session

Session Convenor: Yukimasa Ishida (Japan)

Papers on all aspects of fishery oceanography in the North Pacific and its marginal seas are invited.

Thursday, October 21, 2004 13:00-16:20

- 13:00-13:15 **Chiyuki Sassa and Yoshinobu Konishi**
Recruitment process of the Japanese jack mackerel in the East China Sea (ECS) - Spawning ground and larval transport into fishing grounds (FIS_P-1823)
- 13:15-13:30 **Motomitsu Takahashi, Yoshiro Watanabe, Hiroshi Nishida and Akihiko Yatsu**
Interannual variation in growth of larval and early juvenile Japanese anchovy in the Kuroshio-Oyashio transition region (FIS_P-1857)
- 13:30-13:45 **Ivan Martinez Tovar, Felipe Amezcua Martinez and Juan Madrid Vera**
Analysis of fish bycatch from the commercial shrimp fleet in the Southeast Gulf of California (FIS_P-1924)
- 13:45-14:00 **Ling Tong and Qisheng Tang**
Impacts of global change on fisheries resources of a coastal ecosystem (FIS_P-1813)
- 14:00-14:15 **Hiroshige Tanaka, Akinori Takasuka, Ichiro Aoki, Seiji Ohshimo and Yozo Wada**
Geographical variations in carbon and nitrogen stable isotope ratios of Japanese anchovy *Engraulis japonicus* (FIS_P-1957)
- 14:15-14:30 **Michael J. Schirripa, Jim J. Colbert and Omar Rodriguez**
Interannual changes in Pacific hake (*Merluccius productus*) growth in response to oceanographic conditions (FIS_P-1995)
- 14:30-14:45 **Mikhail A. Stepanenko**
Environmental differentiation of pollock reproduction in the Bering Sea (FIS_P-1809)
- 14:45-15:00 **Oleg A. Bulatov**
Pollock fishery and total allowable catch in the Bering Sea (FIS_P-1976)
- 15:00-15:20 **Coffee break**
- 15:20-15:35 **Tetsuichiro Funamoto, Keizo Yabuki and Satoshi Honda**
Temperature-dependent stock-recruitment model for walleye pollock around Hokkaido, Japan (FIS_P-1822)
- 15:35-15:50 **Jennifer P. Stahl and Gordon H. Kruse**
Maturation of walleye pollock, *Theragra chalcogramma*, in the eastern Bering Sea in relation to temporal and spatial factors (FIS_P-1873)
- 15:50-16:05 **Yong-Woo Lee, Bernard A. Megrey and S. Allen Macklin**
Predictability of future recruitment by parametric and non-parametric models: Case study of Gulf of Alaska walleye pollock (FIS_P-1937)

16:05-16:20 **Andre Buchheister and Matthew T. Wilson**
Differential food habits as a mechanism for seasonal and geographic variation in juvenile walleye pollock condition in the western Gulf of Alaska (FIS_P-2107)

Posters

Alexander I. Abakumov, Lev N. Bocharov and Evgeny P. Karedin
Modeling analysis for multispecies fisheries (FIS_P-1814)

Felipe Amezcua, Juan Madrid and Hugo Aguirre
Effect of the artisanal shrimp fishery on the ichthyofauna in a subtropical coastal lagoon in the Gulf of California (FIS_P-1820)

Alexander V. Busloy and Oleg B. Tepnin
New data on walleye pollock spawning in waters of the Commander's Islands Preserve (FIS_P-1776)

Yaqu Chen, Zhaoli Xu, Yong Ni and Yuanquan Chen
Study on dynamic of fisheries resources and protection countermeasures in adjacent waters of Jiuduansha (FIS_P-2190)

Vladimir B. Darnitsky, Vladimir A. Belyaev, Nikolay P. Pahorukov and Svetlana P. Bomko
Composition and changeability of the fish community of the central seamounts of the Kyushu-Palau Ridge and some oceanographic features (Part II) (FIS_P-1800)

Elena Dulepova
Trophic relations of chum (*Oncorhynchus keta*) and pink salmon (*O. gorbuscha*) in the western Bering Sea (FIS_P-2170)

Yukimasa Ishida, Tomonori Azumaya, Masaaki Fukuwaka and Toru Nagasawa
Estimation of catch efficiency of salmon gillnets, distance traveled by salmon, and salmon density in the Bering Sea (FIS_P-1922)

Nozomi Ishiko, Hidetada Kiyofuji and Sei-Ichi Saitoh
Prediction of Pacific saury fishing grounds based on physical variability derived from daily satellite remote sensing data (FIS_P-2025)

Vladimir I. Karpenko and O.A. Rassadnikov
Status of Far Eastern Pacific salmon stocks during recent years (1971-2002) (FIS_P-2152)

Eun Jung Kim, Suam Kim, Dae-Yeon Moon and Jeong-Rack Koh
The variations in distribution, catch, and biology of skipjack tuna (*Katsuwonus pelamis*) induced by climate variability (FIS_P-2021)

Hee-Yong Kim, Atsushi Kaneda, Taisuke Inai, Xinyu Guo and Hidetaka Takeoka
Effect of the Kuroshio frontal eddy on the recruitment of jack mackerel larvae and juveniles in the Bungo Channel, Shikoku, Japan (FIS_P-1896)

Sergey G. Korostelev and P.M. Vasilets
Changes in the composition of demersal fish communities on the western Kamchatka shelf under the influence of fishing (FIS_P-1836)

V.V. Kuznetsov and E.N. Kuznetsova
The stock assessment and fishery of walleye pollock in the Sea of Okhotsk off West Kamchatka (FIS_P-2103)

Sergey V. Loboda and Pavel V. Vorobyov

Influence of commercial fishing on the stock conditions of Pacific herring from the northern part of the Okhotsk Sea (FIS_P-2013)

Ole A. Mathisen and Lowell Fair

Density dependent growth of sockeye salmon in the ocean (FIS_P-1950)

Alexander Nikolaev and Michail Kuznetsov

Acoustic methods for monitoring and ecosystem studies in the Bering and Okhotsk Seas (FIS_P-1879)

Todd Sandell, Kym Jacobson, David Teel and Edmundo Casillas

The distribution and prevalence of Bacterial Kidney Disease (*Renibacterium salmoninarum*) in juvenile chinook and coho salmon in the Northeast Pacific Ocean (FIS_P-1853)

Anatoly V. Smirnov

Environmental impact of interannual variability of Okhotsk Sea pollock abundance (FIS_P-1805)

Gennady V. Avdeev, Anatoly V. Smirnov, Evgeny E. Ovsyannikov and Svetlana L. Ovsyannikova

Variability in sex ratio of the northern Okhotsk Sea walleye pollock spawning stock in 1997-2002 (FIS_P-1953)

Katsuya Suzuki, Tsutomu Takagi, Shinsuke Torisawa and Kazushi Miyashita

Video analysis of the schooling behavior of Japanese surfsmelt (*Hypomesus japonicus*) under light and dark conditions using a mathematical model (FIS_P-1959)

Andrey V. Vinnikov, Dmitry A. Terentiev, Alexei M. Tokranov and Boris A. Sheiko

The preliminary estimation of abundance of some fishes in adjacent waters of the Commander Islands by results of bottom long-line catching in 1995-1997 (FIS_P-2088)

Songguang Xie and Yoshiro Watanabe

Hatch-date dependent difference in growth and development of jack mackerel *Trachurus japonicus* during early life stages recorded in otolith microstructure (FIS_P-1830)

Songguang Xie, Yoshiro Watanabe, Toshiro Saruwatari, Reiji Masuda, Yoh Yamashita, Chiyuki Sassa and Yoshinobu Konishi

Growth and morphological development of sagittal otolith of jack mackerel *Trachurus japonicus* in larval and early juvenile stages (FIS_P-1831)

Chang Ik Zhang, Jae Bong Lee and In-Ja Yeon

Current status of ecosystem-based fisheries management in Korea (FIS_P-2051)

