



ORAL PRESENTATIONS

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DAY 1: Monday, September 18, 2006

Introduction	Chairs: Steering Committee and International Scientific Committee
Keynote address No. 1: <i>Understanding and managing fisheries enhancement systems</i>	Kai Lorenzen
Theme 1 - Restocking and stock enhancement systems and their role in fisheries management	Chairs: Ken Leber, Josianne Støttrup
Mini-keynote: Scallop stock enhancement in New Zealand: lessons from applying an integrated approach	Mike Arbuckle
Enhancing the recovery of depleted <i>Tripneustes gratilla</i> stocks through sea ranching and restocking	Marie Antonette Juinio-Meñez, H. Bangi, D Pastor
30 years of sea ranching manila clams <i>Tapes philipinarum</i> : successful techniques and lessons learned	Peter Becker, C. Barringer
Marine stock enhancement in Florida: a multidisciplinary, stakeholder-supported, accountability-based approach	Michael Tringali, K. Leber, W. Halstead, R. McMichael, J. O'Hop, B. Winner, R. Cody, C. Young, C. Neidig, H. Wolfe, A. Forstchen, L. Barbieri
Mudcrabs and mangroves; an example of integrated approaches to stock enhancement	Lewis Le Vay, M. Walton, J. Lebata, J. Primavera, E. Quinitio, F. Parado-Esteva, E. Rodriguez, V. Noc Ut, T. Nghia, P. Sorgeloos M. Wille
Restocking the eastern Baltic cod: insight or distant?	Josianne Støttrup, J. Overton, H. Paulsen, J. Tomkiewicz, C. Møllmann, P. Pedersen, P. Lauesen
Improving yield and market traits of southern rock lobsters through translocation	Arani Chandrapavan, C. Gardner

Theme 2 - When can hatchery releases add value to other forms of management?	Chairs: Kai Lorenzen, Caleb Gardner
Mini-keynote: Metapopulation source-sink dynamics and stock enhancement of marine species	Rom Lipcius, S. Schreiber, H. Wang, J. Shen, M. Sisson
Uses and limitations of contemporary genetic analyses in delineating biological populations for stock enhancement	Michael Tringali
Complete optimization: integrating management with hatchery releases	Robert Aguilar, A. Hines, M. Kramer, M. Goodison
Have reseedings contributed to the stock enhancement of abalone in Japan?	Tomohiko Kawamura, T. Horii, H. Takami
Variable long-term performance of released sandfish	Steven Purcell, M. Simutoga
Simultaneous estimation of mixing proportions of released populations and genetic drift based on individual genotypes	Toshihide Kitakado, S. Kitada, H. Kishino
Manipulations of stocking magnitude: addressing density-dependence in juvenile populations of a marine carnivore	Nathan Brennan, K. Leber, C. Walters
Fisheries management in troubled waters: the need for scientifically informed decision making.	Willis McConnaha, L. Mobrand, J. Waldo

DAY 2: Tuesday, September 19, 2006

Theme 3 – Institutional and socio-economic issues	Chairs: John Ward, Ann-Lisbeth Agnalt
Mini-keynote 1: On the economics of ocean ranching and stock enhancement	Ragnar Arnason
Mini-keynote 2: Legal framework of sea ranching: The Norwegian experience and management strategy.	Britt Leikvoll
Property rights in fish in sea ranching and enhancement – real or de facto	Bernard Walrut
Stock enhancement and fisheries management of the Japanese flounder in Fukushima, Japan	Takeshi Tomiyama, M. Watanabe, T. Fujita
Geoduck enhancement in British Columbia: a case study of incentives for enhancement	Michelle James
The economic feasibility of increasing rock lobster yield by translocation in Tasmania, Australia	Caleb Gardner, I. van Putten
Stocking and aquatic ranching in South America: lessons from stocking non-indigenous species for fisheries	Theresa Bert, H. Ortega, H. López-Rojas, A. Bonilla-Rivero, C. Alves, P. Vigliano, M. Alonso, M. Pascual, J. Ciancio

An economic analysis of stock enhancement of Persian sturgeon in Iran	Hassan Salehi
Theme 4 – Release strategies	Chairs: Dave Eggleston, Reiji Masuda
Mini-keynote: Release strategies for estuarine species with complex migratory life cycles: stock enhancement of Chesapeake blue crabs	Anson Hines , E. Johnson, A.Young-Williams, R. Aguilar, M. Kramer, M. Goodison, O. Zmora, Y. Zohar
Optimizing enhancement strategies: predicting growth and survival of hatchery-reared blue crabs under varying release scenarios	Eric Johnson , A. Hines, M. Kramer, A. Young-Williams
Optimal release site, season and size of spotted halibut determined by cage experiments and landing	Toshihiro Wada , T. Yamada, M. Aritaki, H. Sudo, Y. Yamashita, M. Tanaka
Evaluating the effect of size at release on recapture rates of Japanese spanish mackerel in the eastern Seto Inland Sea, Japan	Yasuhiro Obata , H. Yamazaki, A. Iwamoto, S. Kitada
Optimal location for cultured and released juveniles of ocellate puffer <i>Takifugu rubripes</i> identified by tag and release experiments using fluorescent elastomer	Hiroshi Nakajima , M. Kai, K. Koizumi, T. Tanaka, M. Machida
Differences in predation between wild and hatchery-reared juveniles of tiger puffer in a salt pond mesocosm	Daisuke Shimizu , K. Sakiyama, Y. Sakakura, T. Takatani, Y. Takahashi
Stock enhancement of a marginal abalone fishery in trouble - the challenge continues	Mike Heasman
Behavioral patterns of hatchery-produced abalone <i>Haliotis asinina</i> for stock enhancement: predator avoidance and search for food and shelter	Shelah Mae A. Buen-Ursua , W. Gallardo, A. del Norte-Campos
Application of the larval phase in marine invertebrate population restoration	William Arnold , J. Leverone, S.Geiger, J. Greenawalt
A generalized predator-impact model to optimize stocking of estuarine finfish	Matthew Taylor , I. Suthers

DAY 3: Wednesday, September 20, 2006

Keynote Address No. 2: <i>The Chesapeake Bay blue crab (<i>Callinectes sapidus</i>): a multidisciplinary approach to responsible stock enhancement</i>	Yonathan Zohar
Theme 5 – Interactions between wild and released stocks	Chairs: Devin Bartley, Mike Tringali

Mini-keynote: Genetic effects of hatchery releases on marine finfish populations: case studies from Japan	Shuichi Kitada
Loss of family variation in Japanese flounder during seed production and shortly after release	O. Tominaga , J. Hasegawa, T. Tsusaki, S. Shiozawa, T. Seikai, Y. Tanaka, T. Fujii
Genetic risk of stocking on fishes having environmentally influenced sex-determination	Minoru Kanaiwa , Y. Harada
Experimental study on broodstock management of barfin flounder under the concept of minimum kinship selection	Shigenori Suzuki , S. Sekiya, T. Sugaya, M. Del Mar Ortega-Villaizan Romo, T. Matsubara, N. Taniguchi
Genetic diversity, migration, and reproduction of released hatchery-reared Japanese flounder <i>Paralichthys olivaceus</i>	Tetsuo Fujii , T. Ito, M. Nishida
Genetic considerations during the experimental and expanded phases of blue crab stock enhancement in Chesapeake Bay	Allen Place , X. Feng, J. Hill
Monitoring of the stock enhancement program for black sea bream (<i>Acanthopagrus schlegelii</i>) in Hiroshima Bay, Japan	Enrique Blanco Gonzalez , D. Jeong, T. Umino, K. Nagasawa
Ecological impact of sea-ranching lobster: current research and future perspectives	Ann-L. Agnalt , K. Jørstad, E. Farestveit
Testing differences between wild and hatchery-reared blue crabs: minimizing potential negative interactions at release	Alicia Young , J. Davis, E. Johnson, A. Hines
The concept of carrying capacity in red drum stock enhancement	Michael Denson , W. Jenkins, T. Smith
The optimum stocking density in relation to carrying capacity of nursery grounds for Japanese flounder	Yoh Yamashita , Y. Kurita, Y. Tanaka, J. Miller, M. Tanaka
Theme 6 – Biological insights from hatchery releases	Chairs: Neil Loneragan, Shuichi Kitada
Mini-keynote: Overview of queen conch (<i>Strombus gigas</i>) restoration	Megan Davis , G. Delgado, R. Glazer
Stock enhancement and ecosystem carrying capacity in blue crab nursery habitats of Chesapeake Bay	Rochelle Seitz , R. Lipcius, K. Knick, M. Seebo, W. Chris Long
The CARE experience: post-larval collection and rearing for restocking of Marine Protected Areas	Sven-Michel Lourié , G. Lecaillon
Spatial scales of movement of released hatchery-reared and wild Atlantic cod	Torstein Pedersen , E. Cuveliers, E. Berg
Dispersal, habitat associations, survival, and residence time of hatchery-reared and wild juvenile red drum, <i>Sciaenops ocellatus</i> , in the Alafia	Carole Neidig , D. Roberts, C. Armstrong

River, Tampa Bay, Florida	
Stocking the Blackwood River Estuary, Western Australia, with the black bream <i>Acanthopagrus butcheri</i> .	Greg Jenkins , D. French, I. Potter, S. de Lestang, N. Hall, G. Partidge, A. Hesp, G. Sarre
Natal homing of herring released in Miyako Bay	Hiroyuki Okouchi , M. Nakagawa
Optimizing fish size and applying a conditioning trial in a Danish flatfish stocking program.	Claus Reedtz Sparrevojn , J. Støttrup
Movements of cultured white seabass, <i>Atractoscion nobilis</i> , released throughout the southern California Bight	Michael Shane , M. Drawbridge, D. Kent

DAY 4: Thursday, September 21, 2006

Theme 7 – Arenas of progress	Chairs: Lee Blankenship, Barry Berejikian
Mini-keynote: Restocking, stock enhancement and sea ranching: arenas of progress	Devin Bartley , J. Bell
Stock enhancement and sea ranching- practices at Zhangzidao Island in the northern Yellow Sea, China	Qingyin Wang , H. Wu, J. Fang, S. Wang
Stock enhancement and sea ranching activities in the East China Sea	Huaqing Lu , J. Xu
Enhancement of paua (abalone) stocks in New Zealand	Jeremy Cooper (to be presented by Elizabeth Keys)
Current situation and the future of stock enhancement of yellowtail, <i>Seriola quinqueradiata</i> , in Japan	Keiichi Mushiake , H. Yamasaki, H. Fujimoto
Stock enhancement program for threatened species in Southeast Asia	K. Okuzawa, Ronald Maliao , S. Buen-Ursua, J. Primavera
Current trends in hatchery techniques and stock enhancement for Chinese mitten crab, <i>Eriocheir sinensis</i>	Yongxu Cheng , X. Wu, X. Yang, A. Hines
Mark-release-recapture experiments of kuruma prawn by using microsatellites and mitochondrial DNA markers	Takuma Sugaya , S. Nakano, M. Oka, K. Mushiake
Utilization of deep seawater for Japanese scampi lobster broodstock, <i>Metanephrops japonicus</i>	Kazutoshi Okamoto
Using forced upwelling for nutrient enrichment to increase ocean ecosystem carrying capacity	Philip Kithil
Enhancing the production of the open ocean ranch	Ian Jones