

DETAILED SYMPOSIUM SCHEDULE

Sunday, September 17, 2006

2:00 pm	n – 6:30 pm	Registration Open
6:30 pm	n – 8:30 pm	SUNDAY WELCOMING RECEPTION
		Day 1: Monday, September 18, 2006
6:30 an	n – 3:00 pm	Registration Open
7:00	Continental Bro	eakfast at the Westin
8:00	Introduction	
8:20	Keynote addre Kai Lorenzen	ss: Understanding and managing fisheries enhancement systems
		ocking and stock enhancement systems and their role in fisheries management ober and Josianne Støttrup
9:00	Mini-keynote: Sintegrated appropriate Arbuckle	Scallop stock enhancement in New Zealand: lessons from applying an roach
9:30		recovery of depleted <i>Tripneustes gratilla</i> stocks through sea ranching and restocking e Juinio-Meñez, H. Bangi , D Pastor
9:50	30 years of sea and lessons lea Peter Becker, (
10:10	Questions	
10:30	MORNING TEA	
10:50	accountability-	nhancement in Florida: a multidisciplinary, stakeholder-supported, based approach li, K. Leber, W. Halstead, R. McMichael, J. O'Hop, B.Winner, R. Cody, C. Young, C. Neidig, Barbieri

11:10	Mudcrabs and mangroves; an example of integrated approaches to stock enhancement Lewis Le Vay, M. Walton, J. Lebata, J. Primavera, E. Quinitio, F. Parado-Estepa, E. Rodriguez, V. Noc Ut, T. Nghia, P. Sorgeloos M. Wille
11:30	Restocking the eastern Baltic cod: in sight or distant? Josianne Støttrup, J. Overton, H. Paulsen, J. Tomkiewicz, C. Møllmann, P. Pedersen, P. Lauesen
11:50	Improving yield and market traits of southern rock lobsters through translocation Arani Chandrapavan, C. Gardner
12:10	Questions
12:30	LUNCH
	Theme 2 - When can hatchery releases add value to other forms of management? Chairs: Kai Lorenzen and Caleb Gardner
1:30	Mini-keynote: Metapopulation source-sink dynamics and stock enhancement of marine species Rom Lipcius, S. Schreiber, H. Wang, J. Shen, M. Sisson
2:00	Uses and limitations of contemporary genetic analyses in delineating biological populations for stock enhancement Michael Tringali
2:20	Complete optimization: integrating management with hatchery releases Robert Aguilar, A. Hines, M. Kramer, M. Goodison
2:50	Have reseedings contributed to the stock enhancement of abalone in Japan? Tomohiko Kawamura, T. Horii, H. Takami
3:10	Questions
3:30	AFTERNOON TEA
3:50	Variable long-term performance of released sandfish Steven Purcell, M. Simutoga
4:10	Simultaneous estimation of mixing proportions of released populations and genetic drift based on individual genotypes Toshihide Kitakado, S. Kitada, H. Kishino
4:30	Manipulations of stocking magnitude; addressing density-dependence in juvenile populations of a marine carnivore Nathan Brennan, K. Leber, C. Walters
4:50	Fisheries management in troubled waters: the need for scientifically informed decision making Willis McConnaha, L. Mobrand, J. Waldo
5:10	Questions

Day 2: Tuesday, September 19, 2006

1:00 ar	m – 3:00 pm	
7:00	Continental Breakfast at the Westin	
	Theme 3 – Institutional and socio-economic issues Chairs: John Ward and Ann-Lisbeth Agnalt	
8:00	Mini-keynote 1: On the economics of ocean ranching and stock enhancement Ragnar Arnason	
8:30	Mini-keynote 2: Legal framework of sea ranching: The Norwegian experience and management strategy Britt Leikvoll	
9:00	Property rights in fish in sea ranching and enhancement – real or de facto Bernard Walrut	
9:20	Stock enhancement and fisheries management of the Japanese flounder in Fukushima, Japan Takeshi Tomiyama, M. Watanabe, T. Fujita	
9:40	Questions	
10:10	MORNING TEA	
10:30	Geoduck enhancement in British Columbia: a case study of incentives for enhancement Michelle James	
10:50	The economic feasibility of increasing rock lobster yield by translocation in Tasmania, Australia Caleb Gardner, I. van Putten	
11:10	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	
11:30	An economic analysis of stock enhancement of Persian sturgeon in Iran Hassan Salehi	
11:50	Questions	
12:10	LUNCH	

Theme 4 – Release strategies Chairs: Dave Eggleston and Reiji Masuda

1:10	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
1:40	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
2:00	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
2:20	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
2:40	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
3:00	Questions
3:20	AFTERNOON TEA
3:40	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
4:00	Post-release mortality due to predation: a case study of winter flounder and green crabs Elizabeth Fairchild, N. Rennels, W. Huntting
4:20	Behavioral patterns of hatchery-produced abalone <i>Haliotis asinine</i> for stock enhancement: predator avoidance and search for food and shelter Shelah Mae A. Buen-Ursua , W. Gallardo, A. del Norte-Campos
4:40	Application of the larval phase in marine invertebrate population restoration William Arnold, J. Leverone, S.Geiger, J. Greenawalt
5:00	A generalized predator-impact model to optimizse stocking of estuarine finfish Matthew Taylor, I. Suthers
5:20	Questions
6:30	POSTER SESSION OPENING RECEPTION

Day 3: Wednesday, September 20, 2006

7:00 ar	m – 3:00 pm Registration Open
7:00	Continental Breakfast at the Westin
8:00	Keynote Address: The Chesapeake Bay blue crab (<i>Callinectes sapidus</i>): a multidisciplinary approach to responsible stock enhancement Yonathan Zohar
	Theme 5 – Interactions between wild and released stocks Chairs: Devin Bartley and Mike Tringali
8:40	Mini-keynote: Genetic effects of hatchery releases on marine finfish populations: case studies from Japan Shuichi Kitada
9:10	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
9:30	Genetic risk of stocking on fishes having environmentally influenced sex-determination Minoru Kanaiwa, Y. Harada
9:50	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
10:10	Questions
10:30	MORNING TEA
10:50	Genetic diversity, migration, and reproduction of released hatchery-reared Japanese flounder <i>Paralicthys olivaceus</i> Tetsuo Fujii, T. Ito, M. Nishida
11:10	Genetic considerations during the experimental and expanded phases of blue crab stock enhancement in Chesapeake Bay Allen Place, X. Feng, J. Hill
11:30	Monitoring of the stock enhancement program for black sea bream (<i>Acanthopagrus schlegeli</i>) in Hiroshima Bay, Japan Enrique Blanco Gonzalez, D. Jeong, T. Umino, K. Nagasawa
11:50	Ecological impact of sea-ranching lobster: current research and future perspectives Ann-L. Agnalt, K. Jørstad, E. Farestveit
12:10	Questions
12:30	LUNCH

1:30	Testing differences between wild and hatchery-reared blue crabs: minimizing potential negative interactions at release Alicia Young, J. Davis, E. Johnson, A. Hines
1:50	The concept of carrying capacity in red drum stock enhancement Michael Denson, W. Jenkins, T. Smith
2:10	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
2:30	Questions
2:50	AFTERNOON TEA
	Theme 6 – Biological insights from hatchery release Chairs: Neil Loneragan and Shuichi Kitada
3:10	Mini-keynote: Overview of queen conch (<i>Strombus gigas</i>) restoration Megan Davis, G. Delgado, R. Glazer
3:40	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
4:00	The CARE experience: post-larval collection and rearing for restocking of Marine Protected Areas Sven-Michel Lourié, G. Lecaillon
4:20	Spatial scales of movement of released hatchery-reared and wild Atlantic cod Torstein Pedersen, E. Cuveliers, E. Berg
4:40	Dispersal, habitat associations, survival, and residence time of hatchery-reared and wild juvenile red drum, <i>Sciaenops ocellatus</i> , in the Alafia River, Tampa Bay, Florida Carole Neidig, D. Roberts, C. Armstrong
5:00	Questions
7:00	AQUARIUM CELEBRATION

Day 4: Thursday, September 21, 2006

	7:00 am - 12:00 pm	Registration O	pen
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7:00 Continental Breakfast at the Westin

Theme 6 cont'd

- 8:00 Stocking the Blackwood River Estuary, Western Australia, with the black bream Acanthopagrus butcheri Greg Jenkins, D. French, I. Potter, S. de Lestang, N. Hall, G. Partidge, A. Hesp, G. Sarre
- 8:20 Natal homing of herring released in Miyako Bay Hiroyuki Okouchi, M. Nakagawa
- 8:40 Optimizing fish size and applying a conditioning trial in a Danish flatfish stocking program Claus Reedtz Sparrevohn, J. Støttrup
- 9:00 Movements of cultured white seabass, *Atractoscion nobilis*, released throughout the southern California Bight
 Michael Shane, M. Drawbridge, D. Kent
- 9:20 Questions

Theme 7 – Arenas of progress Chairs: Lee Blankenship and Barry Berejikian

- 10:00 Mini-keynote: Restocking, stock enhancement and sea ranching: arenas of progress Devin Bartley, J. Bell
- 10:30 Stock enhancement and sea ranching- practices at Zhangzidao Island in the northern Yellow Sea, China Qingyin Wang, H. Wu, J. Fang, S. Wang
- 10:50 Stock enhancement and sea ranching activities in the East China Sea Huaqing Lu, J. Xu
- 11:10 Enhancement of paua (abalone) stocks in New Zealand Jeremy Cooper (to be presented by Liz Keys)
- 11:30 Current situation and the future of stock enhancement of yellowtail, *Seriola quinqueradiata*, in Japan Keiichi Mushiake, H. Yamasaki, H. Fujimoto
- 11:50 Stock enhancement program for threatened species in Southeast Asia K. Okuzawa, Ronald Maliao, S. Buen-Ursua, J. Primavera
- 12:10 Questions
- 12:30 LUNCH

1:30	Current trends in hatchery techniques and stock enhancement for Chinese mitten crab, Eriocheir sinensis Yongxu Cheng, X. Wu, X. Yang, A. Hines
1:50	Mark-release-recapture experiments of kuruma prawn by using microsatellites and mitochondrial DNA markers Takuma Sugaya, S. Nakano, M. Oka, K. Mushiake
2:10	Use of deep seawater for Japanese scampi lobster <i>Metanephrops japonicus</i> broodstock Kazutoshi Okamoto
2:30	Using forced upwelling for nutrient enrichment to increase ocean ecosystem carrying capacity Philip Kithil
2:50	Enhancing the production of the open ocean ranch lan Jones
3:10	Questions
3:30	AFTERNOON TEA
3:50	Presentation of awards
4:00	Summing up and general discussion International Scientific Committee
7:00	FAREWELL DINNER BANQUET
	Friday, September 22, 2006
8:00	Field Trip Leaves Westin
5:00	Field Trip Returns to Westin