

Nordic Marine Sciences Conference 2010

Strömstad, Sweden 13-16 September

Monday 13th September

18.00-22.00	Arrivals, registration and icebreaker
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Tuesday 14th September

08.30	Opening of the conference by <u>Pam Fredman</u> , Vice Chancellor, University of Gothenburg			
08.40-09.10	Keynote presentation by <u>Hans-Otto Pörtner</u> , Alfred Wegner Institute			
09.10-09.40	<u>Lisa Levin</u> : Biodiversity under stress: Lessons from the deep sea			
09.40-10.10	Keynote presentation by <u>Tom Rossby</u> University of Rhode Island			
10.10-10.40	Coffea and Tea			
Parallel sessions:	Adaptation and evolution of marine organisms (Room X)	Operational oceanographic services (Room Y)	Fisheries management and the ecosystem approach (Room Z)	Marine climate change and ocean acidification (Room W)
10.40-11.00	<u>Johanna Bergkvist</u> : Size matters – grazer induced chain length plasticity reduces grazing risk in a marine diatom	<u>Erik Buch</u> : MyOcean - the future marine core service in Europe	<u>Henrik Gislason</u> : Predicting the natural mortality of marine fish from life history characteristics	<u>Clare Bradshaw</u> : Combined effects of a contaminant and increased temperature in a shallow brackish ecosystem
11.00-11.20	<u>Eliecer Diaz</u> : Combining gut fluorescence technique and spatial analysis to determine grazing effects on benthic bottoms	<u>Bengt Karlson</u> : New developments in SMHI's operational algal bloom monitoring and forecasting	<u>Mårten Hjernquist</u> : Population fluctuation of seabirds and fish in the Baltic Sea	<u>Anna Granfors</u> : Halocarbons in arctic sea ice
11.20-11.40	<u>Anders Persson</u> : Climatic effects in seasonal environments-inferences from a growth model on Baltic Sea cod	<u>Lisa Lind</u> : Operational oceanographic services at SMHI	<u>Kyungmi Jung</u> : Bio-physical properties of Norwegian coastal cod eggs from different local populations	<u>Jon Havenhand</u> : The importance - and limitations - of statistics in ocean acidification research
11.40-12.00	<u>Sonja Råberg</u> : Stress responses in clonal and unique <i>Fucus radicans</i> individuals –How may this affect distribution in a changing environment?	<u>Lars Petter Røed</u> : Ocean forecasting on yr.no: Challenges	<u>Ane T Laugen</u> : Evolutionary impact assessment: Accounting for evolutionary consequences of fishing in an ecosystem approach to fisheries manage	<u>Maria Koivisto</u> : Trait dependent facilitation of macrofaunal communities in sublittoral blue mussel habitats
12.00-13.00	Lunch			
Parallel sessions:	Adaptation and evolution of marine organisms (Room X)	Results from Nordic research in oceanography – a tribute to 50 years of co-operation in the IOC (Room Y)	Fisheries management and the ecosystem approach (Room Z)	Marine climate change and ocean acidification (Room W)
13.00-13.20	<u>Josefin Sundin</u> : Behavioural adaptations to a changing environment	<u>Hans Dahlin</u> : The Global Ocean Observing System (GOOS) and its implementation in Europe	<u>Sebastian Linke</u> : The Regional Advisory Councils: What is their potential to incorporate stakeholder knowledge into European fisheries governance?	<u>Antoon Kuijpers</u> : Multi-decadal to centennial scale north Atlantic SST fluctuations and NW European winter climate
13.20-13.40	<u>Anders Tengberg</u> : Öresund, marine environment in change: experiences learned from 15 years of environmental monitoring	<u>Bertil Håkansson</u> : Operational oceanography in northern Europe - a dedication to IOC 50th Anniversary	<u>Malin Olofsson</u> : The effect of temperature, algal biomass and taxonomic group on the growth of <i>Vibrio parahaemolyticus</i>	<u>Karin Larsen</u> : Stability and forcing of the Iceland-Faroe inflow of heat and salt to the Arctic
13.40-14.00	<u>Knut Vollset</u> : Potential flexible behavior of marine larval fish: consequences in a changing environment	<u>Peter Haugan</u> : Science and capacity building through IOC	<u>Ingrid Tjensvoll</u> : Suspension of contaminated sediment: a comparative study between trawling and dredging	<u>Robert Lefébure</u> : Impact of climate change on fish production in the Baltic Sea

14.00-14.20	<u>Svein-Erik Fevolden</u> : Alaska pollock off the coast of northern Norway – evidence of a transarctic migration	<u>Gunnar Kullenberg</u> : Reflections on the Intergovernmental Oceanographic Commission	<u>Håkan Westerberg</u> : Why is the recruitment of eels declining?	<u>Odd Lindahl</u> : The influence of large climatic decadal patterns on primary production in the Gullmar Fjord, Sweden
14.20-14.40	<u>Anna Godhe</u> : Linking the planktonic and benthic habitat: genetic structure of the marine diatom <i>Skeletonema marinoi</i>	<u>Henrik Oksfeldt Enevoldsen</u> : IOC and a University - building capacity for research on and management of harmful algae	<u>Carl André</u> : Stock structure and local adaptation in marine fish	<u>Maren Lyngsgaard</u> : Primary production in the Baltic Sea transition zone – seasonal patterns and vertical distribution
14.40-15.00	Amber Teacher: Uncovering cryptic population structure of Baltic herring.	Mike Thorndyke: Marine Research Station in the 21st Century		Søren Nielsen: Synergistic effects of temperature and heavy metal pollution on the brown macroalga <i>Fucus serratus</i>
15.00-15.30	Fruit, coffee and tea			
15.30-17.30	Poster session and exhibition			
17.00-18.00	Annual meetings of the national organizations			
18.00-19.00	Social activities (see separate programme)			
20.00	Dinner			

Wednesday 15th September

08.30-09.00	<u>Georgia Destouni</u> : Nutrient loadings from land: identifying and resolving diverging interpretations of their development			
09.00-09.30	<u>Emmett Duffy</u> : Biological diversity as the central organizing concept in marine conservation and management: Challenges and opportunities			
09.30-10.00	<u>Doug Wilson</u> : Scientific advice and resilience in marine governance: lessons from European fisheries			
10.00-10.30	Coffee and Tea			
Parallel sessions:	Implementing the EU Water and Marine Strategy Framework Directives (Room X)	Mapping and monitoring the sea (Room Y)	Marine biodiversity and ecosystem functions and services (Room Z)	Marine climate change and ocean acidification (Room W)
10.30-10.50	<u>Lena Gipperth</u> : Legal implementation of the Water Framework Directive in the Scandinavian countries	<u>Jon Albretsen</u> : Skagerrak bottom water exchange in the winter 2010 and possible implications to the deep sea prawn fishery	<u>Ole Aarbakke</u> : Copepods on the move: the case of <i>Pseudocalanus moultoni</i>	<u>Kristina Sundbäck</u> : Effects of increased temperature on a shallow-water sediment system: a spring situation
10.50-11.10	<u>Susanna Minnhagen</u> : Mussel farms as a measure for the implementation of the Baltic Sea Action Plan	<u>Pål Buhl-Mortensen</u> : Classification and prediction of deep-water habitats in Norway	<u>Mia Bengtsson</u> : Bacterial biofilms on the kelp <i>Laminaria hyperborea</i>	<u>Anders Torstensson</u> : Interaction effects of temperature and carbon dioxide on a sea-ice diatom
11.10-11.30	<u>Oksana Udovyyk</u> : Baltic Sea chemical management within the EU water and marine strategy framework directives	<u>Tim Fristedt</u> : A multispectral electromagnetic footprint method for determining sediment conductivity profiles	<u>Lene Buhl-Mortensen</u> : Biological structures as a source of habitat heterogeneity and biodiversity	<u>Sam Dupont</u> : Evolutionary rules in the brave new ocean
11.30-11.50		<u>Frank Gaardsted</u> : Monitoring the <i>Calanus finmarchicus</i> winter distribution: New possibilities using the Laser Optical Plankton Counter	<u>Marianne Camoying</u> : An appraisal of the community structure of mangrove forest in Bagonbanua Marine Reserve	<u>Elin Renborg</u> : Impacts of near-future levels of ocean acidification on fertilization and embryonic development in the blue mussel
12.00-13.00	Lunch			

Parallel sessions:	Modeling the physics and the ecosystems of the sea (Room X)	Mapping and monitoring the sea (Room Y)	Marine biodiversity and ecosystem functions and services (Room Z)	
13.00-13.20	<u>Trine Bekkby</u> : Modeling kelp forest distribution along geophysical gradients	<u>Genoveva Gonzalez-Mirelis</u> : Filling in the blanks: Predictive mapping of benthic biotopes in the Koster Fjord area (Sweden)	<u>Agnes Karlson</u> : Higher diversity of deposit-feeding macrofauna enhances resource utilization in a species-poor system	
13.20-13.40	<u>Thomas McClimans</u> : Laboratory benchmarks for nonlinearity and separation of western boundary currents	<u>Martin Gullström</u> : Empirical modelling for mapping of benthic habitats in the Baltic Sea: what can be predicted and which are the efficient predict	<u>Cecilia Lindblad</u> : Survey of off-shore banks - Inventory and habitat modelling as a basis for management	
13.40-14.00	<u>André Staalstrøm</u> : Propagation of internal waves from the Drøbak sill in the Oslofjord	<u>Hege Gundersen</u> : Modelling and mapping green sea urchins – mutual benefits for commercial harvest and regrowth of kelp forests	<u>Peter Ljungberg</u> : Crustacean utilisation in a changing environment in the perspective of juvenile cod	
14.00-14.20	<u>Zhenwen Wan</u> : Estimation of N, P budgets in the Baltic Sea using a linear inverse method based on in-situ data and outputs from a 3D ecosystem	<u>Terje Thorsnes</u> : Submarine landscapes on the north Norway continental margin	<u>Robin Svensson</u> : Tests of ecological models: the measure of biodiversity matters	
14.20-14.40		<u>Sofia Wikström</u> : Airborne laser as a tool for mapping of underwater vegetation and habitat types	<u>Anna Törnroos</u> : Functioning along coastal gradients: assigning and assessing biological traits to macrozoobenthos	
14.40-15.00			<u>Hilde Trannum</u> : Benthic macroinvertebrate and biogeochemical responses of drill cuttings and organic matter in two sediment habitats	
15.30-19.30	Boat excursion to Kosterhavet and Ytre Hvaler marine national parks			
20.00	Conference Dinner			

Thursday 16th September

08.30-09.00	<u>Chris Scholin</u> : Field and laboratory application of the Environmental Sample Processor (ESP) for detecting harmful algae and other marine organisms			
09.00-09.30	Keynote presentation by <u>Ester Serrão</u> , University of Algarve			
09.30-10.00	Coffee and Tea			
Parallel sessions:	Integrated coastal zone management and effects of marine protected areas (Room X)	Ecology of seagrass ecosystems (Room Y)	Societal and ecosystem threats and challenges (Room Z)	
10.00-10.20	<u>Daniel Conley</u> : Mitigation measures to relieve the detrimental effects of coastal hypoxia and eutrophication in the Baltic Sea	<u>Nina Bergmann</u> : Do seagrasses feel the heat? A common stress garden reveals population-specificity of heat stress gene induction in northern and	<u>Janica Borg</u> : Feeding ecology of flounder, <i>Platichthys flesus</i> , in a shattered environment	
10.20-10.40	<u>Jorid Hammersland</u> : Is collaboration plans suitable management for valuable coastal and marine areas?	<u>Johan Eklöf</u> : Coupled ecosystem engineering and trophic interactions trigger and maintain alternative states	<u>Benedict Jaeschke</u> : Uptake, distribution and persistence of inorganic and organic tritium in a coastal marine ecosystem	

10.40-11.00	<u>Ingela Isaksson</u> : Managing northern Bohuslän for a sustainable use of marine nature resources – a challenge	<u>Katharina Keil</u> : Genome scanning reveals habitat specific selection among Wadden Sea eelgrass (<i>Zostera marina</i>) populations	<u>Lene Friis Møller</u> : Population dynamics and predation impact of the introduced ctenophore <i>Mnemiopsis leidyi</i>	
11.00-11.20	<u>Andrea Morf</u> : The road towards Kosterhavet national park - A model for participatory conservation planning?	<u>Per-Olav Moksnes</u> : The role of predators for eutrophication related changes of macrovegetation along Scandinavian coasts	<u>Åsa Strand</u> : Status and management of the invasive Pacific oyster (<i>Crassostrea gigas</i>) along the Swedish west coast	
11.20-11.30	Short breake			
11.30-11.50	<u>Vidar Øresland</u> : Local lobster subpopulations from limited adult migration and high larval retention	<u>Matias Scheinin</u> : Interdependence between interactions among and properties of physical structure, prey and predators	<u>Kerstin Johannesson</u> : The challenge of marine biodiversity conservation	
11.50-12.10	<u>Ekaterina Sokolova</u> : Modelling of water and nutrient mass flows in the Norrström drainage basin using Soil and Water Assessment Tool	<u>Martina Schmidt</u> : Genotyping and quantification of the wasting disease pathogen <i>Labyrinthula</i> in North European eelgrass populations		
12.10-12.30	<u>Andreas Sundlöf</u> : Protect habitat rather than individuals?	<u>Philipp Schubert</u> : Do fishes care about size? - Assessing the ecological importance of eelgrass meadows in the western Baltic		
12.30-13.00	Prize ceremony. The Conference Image Synopsis			
13.00-14.00	Lunch			
	<i>End of Conference</i>			