



Nordic Marine Science Conference 28th - 30th October 2013

Program

Preface

The Norwegian Oceanographic Society in cooperation with the Swedish Society for Marine Science wish you all welcome to the Nordic Marine Science Conference in Oslo, Norway October 2013. This conference brings together approximately 125 scientists from the Nordic and Northern European countries. A wide range of fields within the marine sciences will be addressed, ranging from the molecular level to broad scale ocean management. Eleven distinguished key note speakers will present highlights from their specialities, and nearly 30 students and young scientists will share their results. The strong attendance from students and young scientists has been made possible by a grant from the Nordic Marine Academy, for which we are very grateful. We would also like to thank the three exhibitors and the NHF sponsors for their contributions.

The themes for the conference include:

- Acidification of the oceans
- Science for ocean management
- Genetic and molecular methods
- Climate driven changes in ecosystems and biodiversity
- Coastal systems and stressors
- Future operational systems and products
- Oslofjord - ecosystems under pressure
- Open session

The organisation and scientific aspects of the conference have been dealt with by a committee including members of the NHF board (David Strand, Torild Johansen, Vigdis Tverberg, Jussi Evertsen, Anne Christine Utne Palm, Chierici Melissa, Johanna Jarnegren), the SHF board (Philip Axe, Sofie Backman, Karin Holmfeldt) and scientists from the Oslo area (Kjell Magnus Norderhaug, Bjørn Rosseland, Bente Edvardsen). The joint efforts of the committee have ensured a program of high scientific quality and relevance to science and management, and we hope that you will enjoy the conference.

Welcome to the Nordic Marine Science Conference 2013!

Terje Thorsnes
On behalf of the committee

Exhibitors



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Monday 28th October

10:00 - 11:30	Registration & poster mounting	
11:30 - 12.30	Lunch	
	Main auditorium - Storsalen	Smaller auditorium - Holmensalen
12:30 - 12.50	Opening & welcome	
12:50 - 13.30	ICES – providing support to the ecosystem based management (plenary key note) - Brusendorff, A.C.	
13:30 - 14.10	Interannual Variability in Atlantic Ocean Circulation (plenary key note) - Bryden, H.	
14:10 - 14.30	5 minutes presentations from the exhibitors	
14:30 - 15:20	Coffee and posters	
	Acidification of the oceans	Science for ocean management
15:20 - 16:00	Get ready for ocean acidification (key note) - Dupont, S.	Ecosystem, Fishing and Oil Exploration - competition for the same ocean areas (key note) - Sundby, S.
16:00 - 16:20	Shipping Contributes to Ocean Acidification - Turner, D.R. et al.	Behaviour and habitat of the deep sea amphipod <i>Neohela monstrosa</i> in the Norwegian Sea - Buhl-Mortensen, L. et al.
16:20 - 16.40	Temperature, but not phosphorus limitation, changes the ratio of calcite to organic carbon in <i>Coccolithus pelagicus</i> - Gerecht, A. et al.	The effect of dispersed crude oil on the pumping rate, feeding rate and valve gaping behaviour of blue mussels, <i>Mytilus edulis</i> : new methods for environmental monitoring - Redmond, K. et al.
16:40 - 17:00	Regulation of light-stimulated carbon dioxide fixation in the proteorhodopsin-containing marine flavobacterium <i>Dokdonia</i> sp. MED134 - Bunse, C.	MyOcean: The Norwegian Monitoring and Forecasting contribution - Røed, L.P. et al.
19:00	Icebreaker in the foyer outside the main auditorium	

Tuesday 29th October, before lunch

	Main auditorium - Storsalen	Smaller auditorium - Holmensalen
08:30 - 09:00	Back to the roots: Tackling ocean challenges through education (plenary key note) - Fauville, G.	
09:00 - 09:10	Coffee	
	Acidification continued	Genetic and molecular methods
09:10 - 09:30	A test of evolutionary effects of ocean acidification on a copepod population - Thor, Peter	09:10 - 09:50 Application of genomic markers in assessment of marine populations in time and space (key note) - Bekkevold, D.
09:30 - 09:50	Deformities in larvae and juvenile European lobster (<i>Homarus gammarus</i>) exposed to lower pH at two different temperatures - Agnalt, A-L. et al.	
09:50 - 10:00	Poster presentations	09:50 - 10:10 Diversity and dynamics of marine haptophytes and their viruses - Edvardsen, B. et al.
	Climate driven changes in ecosystems and biodiversity	
	10:00 - 10:20 Effects of humic-rich freshwater discharge on coastal pelagic food webs - Andersson, A. et al.	10:10 - 10:30 Same same, but different - Environmental preferences, phylogeography and demographic history of <i>Pseudocalanus</i> spp. in the North Atlantic Ocean - Aarbakke, O.N.S.
	10:20 - 10:40 Climate change impact on the seaweed <i>Fucus serratus</i> , a key foundational species on North Atlantic rocky shores - Jueterbock, A. et al.	10:30 - 10:50 Population genetic structure in the northern shrimp (<i>Pandalus borealis</i>) in the North Atlantic - Søvik, G. et al.
	10:40 - 11:00 Spreading of the invasive oyster <i>Crassostrea edulis</i> in the Oslofjord - increased risk due to warmer climate? Rinde, E. et al.	10:50 - 11:00 Poster presentations
11:00 - 11.40	Coffee and posters	
	Climate driven changes in ecosystems and biodiversity continued	Coastal systems and multiple stressors
11:40 - 12.00	Behavioural responses of wild Atlantic cod to sea temperature changes - Freitas, C. et al.	11.40 - 12:20 Managing multiple stressors in the Baltic Sea (key note) - Conley, D.
12:00 - 12.20	Strong seasonal effect of moderate experimental warming on plankton respiration in a temperate estuarine plankton community - Panigrahi, S. et al.	
	12:20 - 12:50 Climate-driven changes to harvested populations in Nordic marine ecosystems (key note) - Stenseth, N.C.	12:20 - 12.40 In a squeeze? - Temperature, light, epibionts and the loss of kelp forests (<i>Saccharina latissima</i>) in Skagerrak - Andersen, G.S.
	12:50 - 13.00 Poster presentations	12.40 - 13:00 <i>Sex in</i> murky waters: insights of anthropogenic disturbance on reproduction using the pipefish model system - Sundin, J. et al.
13:00 - 14:00	Lunch	

Tuesday 29th October, after lunch

	Main auditorium - Storsalen	Smaller auditorium - Holmensalen
14:00 - 15:50	Oslofjord - ecosystems under pressure	Open session
14:00 - 14:20	14:00 - 14:40 The inner Oslofjord: a field laboratory for studying urban environmental impacts (key note) - Hylland, K.	Behavioral adjustments of a pipefish to bacterial challenge - Rosenquist, G. et al.
14:20 - 14:40		Amount of epiphytic algae on kelp (<i>Laminaria hyperborea</i>) stipes according to sea urchin (<i>Echinus esculentus</i>) densities in Nordland - Angeltveit, G. et al.
14:40 - 15:00	Monitoring in the Inner Oslo fjord – Results from 2012 and a historical overview - Berge, J.A.	Effect of increased pCO ₂ -level on early shell development in great scallop (<i>Pecten maximus</i> Lamarck) larvae- Grefsrud, E. et al.
15:00 - 15:20	Historical changes in the seaweed vegetation in inner Oslofjord - Kroglund, T. et al.	Survival and growth of herring (<i>Clupea harengus</i> L.) eggs and larvae at different salinities - Folkvord, A. et al.
15:20 - 15:40	Turbulence caused by a combination of tides and baroclinic mean pressure gradients over a fjord sill - Staalstrøm, A. et al.	Are sea ducks suitable as biodiversity indicators for the Baltic Sea? - Staveley, T. et al
	15:40 - 15:50 Poster presentations	
15:50 - 16:00	Coffee, transit	
16:00	NHF annual meeting	SHF annual meeting
20:00	Conference dinner, hotel restaurant	

Wednesday 30th October

	Main auditorium - Storsalen	Smaller auditorium - Holmensalen
08:30 - 09:00	The health of farmed salmon - a concern for wild salmon populations and the marine environment? (plenary key note) - Poppe, T.	
09:00 - 09:10	Coffee	
	Future operational systems and products	Open session continued
09:10 - 09:30	09:10 - 09:50 Distribution modelling – an overview (key note) - Bekkby, Trine	Diel vertical migration and individual behavior beyond the mesopelagic zone - Kaartvedt, S. et al.
09:30 - 09:50		Convection on a shallow bank: benthic cyclones - McClimans, T.A. et al.
09:50 - 10:10	Remote Sensing in Marine Coastal Ecosystems – Applications for Monitoring and Management - Harvey, T. et al.	Widely distributed species versus species complexes in the oceans: where to go towards management of species-rich resources and habitats? - Uiblein, F.
10:10 - 10:30	Developing habitat maps for coastal management within the Astafjord project, North Norway - Dolan, M. et al.	Intra-site variability and sampling effort necessary to recover the gradient structure in marine benthic surveys - van Son, T.C et al.
10:30 - 10:40	The Norwegian Ocean Weather Prediction system: A revisit - Røed, L.P.	10.30 - 10:40 Poster presentations
10:50 - 11:10	Mapping the distribution of biotopes in the Inner oslo Fjord - Gundersen, H. et al.	
11:10 - 12:00	Coffee and posters, check out	
12:00 - 13:00	Closing ceremony, with student awards for best poster or talk, the SHF Dyrssen award, and the NHF honorary member awards	
13:00 - 14:00	Lunch	
14:00	Departure	