

Bilag 2

Cumulated Dissemination

CONWOY resources have partly or fully supported the following contributions. Disseminations with CONWOY support have to be acknowledged by reference to SNF No. 2052-01-0034.

Papers in refereed journals

2002

Bradshaw, E., N.J. Anderson, J.P. Jensen & E. Jeppesen. 2002. Phosphorus dynamics in Danish lakes and the implications for diatom ecology and palaeoecology. *Freshwat. Biol.* 47: 1963-1975.

2003

Köster, F. W., Hinrichsen, H.-H., Schnack, D., St. John, M. A., MacKenzie, B. R., Tomkiewicz, J., Möllmann, C., Kraus, G., Plikshs, M. Makarchouk, A. & Aro, E. 2003. Recruitment of Baltic cod and sprat stocks: identification of critical life stages and incorporation of environmental variability into stock-recruitment relationships. *Scientia Marina* 67(Suppl. 1): 129-154.

Köster, F. W., Möllmann, C., Neuenfeldt, S., Vinther, M., St. John, M. A., Tomkiewicz, J., Voss, R., Hinrichsen, H.-H., MacKenzie, B. R., Kraus & G., Schnack, D. 2003. Fish stock development in the central Baltic Sea (1974-1999) in relation to variability in the environment. *ICES Mar. Sci. Symposium* 219: 294-306

Christoffersen, E. Jeppesen, P.H. Enckell & D. Block. 2003. Five Faroese lakes. Physico-chemical and biological aspects. *Annales Societatis Færoensis Supplementum XXXVI*: 1-139.

De Eyto, E., K. Irvine, C. Bareiss, E. Gross, S. Cerbin, W. van den Bund, F. G. Criada, M. Gyllström, E. Jeppesen, R. Kornijow, M.R. Miracle, M. Nykanen, J. Salujõe & D. Stephens. 2003. The distribution of chydorids (Branchiopoda, Anomopoda) in European shallow lakes. *Arch. Hydrobiol.* 156: 181-202.

Jeppesen, E., J.P. Jensen & M. Søndergaard. 2003. Climatic warming and regime shifts in lake food webs - some comments. *Limnol. Oceanogr* 48: 1346-1349.

Liboriussen, L. & E. Jeppesen. 2003. Comparison of the seasonal production of benthic, periphytic and pelagic microalgae communities in a clearwater and a turbid shallow lake. *Freshwat. Biol.* 48: 418-431.

Amsinck, S.L., E. Jeppesen & D. Ryves. 2003. Cladoceran stratigraphy in two brackish lakes with special focus on changes in salinity, macrophyte abundance and fish predation pressure. *J. Paleolimnol.* 29: 495-507.

Brander, K. M., G. Blom, M. F. Borges, K. Erzini, G. Henderson, B. R. MacKenzie, H. Mendes, A. M. P. Santos & P. Toresen. 2003. Changes in fish distribution in the

eastern North Atlantic: are we seeing a coherent response to changing temperature? ICES Marine Science Symposium Vol. 219: 260-273

Jakobsen, T.S., P.B. Hansen, E. Jeppesen, P. Grønkjær & M. Søndergaard. 2003. Impact of three-spined stickleback *Gasterosteus aculeatus* on zooplankton and chl a in shallow, eutrophic, brackish lakes. Mar. Ecol. Prog. Ser. 262: 277-284.

Jeppesen, E., J.P. Jensen, C. Jensen, B. Faafeng, P. Brettum, D. Hessen, M. Søndergaard, T. Lauridsen & K. Christoffersen. 2003. The impact of nutrient state and lake depth on top-down control in the pelagic zone of lakes: A study of 466 lakes from the temperate zone to the Arctic. Ecosystems 6: 313-325.

Jeppesen, E., J.P. Jensen, M. Søndergaard, K. Sandby Hansen, P.H. Møller, H.U. Rasmussen & V. Norby. 2003. Does resuspension prevent a shift to a clearwater state in shallow lakes during re-oligotrophication? Limnol. Oceanogr. 48: 1913-1919.

Jeppesen, E., J.P. Jensen, T.L. Lauridsen, S.L. Amsinck, K. Christoffersen & S.F. Mitchel. 2003. Sub-fossils in the surface sediment as proxies for community structure and dynamics of zooplankton in lakes: a study of 150 lakes from Denmark, New Zealand, the Faroe Islands and Greenland. Hydrobiologia 491: 321-330.

Søndergaard, M., J.P. Jensen & E. Jeppesen. 2003. Role of sediment and internal loading of phosphorus in shallow lakes. Hydrobiologia 506/509: 135-145.

Vadeboncoeur, Y., E. Jeppesen, M.J. Vander Zanden, H-H. Schierup, K. Christoffersen & D. Lodge. 2003. From Greenland to green lakes: Cultural eutrophication and the loss of benthic pathways. Limnol. Oceanogr. 48: 1408-1418.

2004

Jakobsen, T.S., Borch Hansen, P., M. Søndergaard & E. Jeppesen, 2004: Cascading effect of three-spined stickleback (*Gasterosteus aculeatus*) on the community composition, size, biomass and diversity of phytoplankton in shallow, eutrophic brackish lagoons – Mar. Ecol. Prog. Ser. 279: 305-309.

Jeppesen, E., J.P. Jensen, M. Søndergaard, M. Fenger-Grøn, K. Sandby, P. Hald Møller & H.U. Rasmussen, 2004: Does fish predation influence zooplankton community structure and grazing during winter in north-temperate lakes? – Freshwat. Biol. 49: 432-447.

Kragh, T. & Søndergaard, M. 2004 The bioavailability of autochthonous DOC: Effects of mesozooplankton. Aquat. Microb. Ecol. 36: 61-72.

MacKenzie, B. R. & Köster, F. W. 2004. Fish production and climate: sprat in the Baltic Sea. Ecology 85: 784-794.

Ryves, D., S.L. Amsinck, P.G. Appleby, O. Bennike, A.L. Clarke, E. Jeppesen & F. Landkildehus, 2004: Reconstructing the salinity and environment of the Limfjord and Vejlerne Nature Reserve, Denmark, using a diatom model for brackish lakes and fjords. - Can. J. Fish. Aquat. Sci. 61: 1988-2006.

Vandekerkhove, J., B. Niessen, S. Declerck, E. Jeppesen, J.M. Conde Porcuna, L. Brendonck & L. De Meester, 2004: Hatching rate and hatching success with and without isolation of zooplankton resting stages. – *Hydrobiologia* 526: 235-241.

Vandekerkhove, J., S. Declerck, M. Vanhove, L. Brendonck, E. Jeppesen, J.M. Conde Porcuna & L. De Meester, 2005: Use of ephippial morphology to assess anomopod richness: potentials and pitfalls. – *J. Limnology* 63: 75-84.

2005

Andersen, H.E., Kronvang, B. & Larsen, S.E. 2005: Development, validation and application of Danish empirical phosphorus models. - *Journal of Hydrology* 304: 355-365.

Amsinck, S.L., E. Jeppesen & F. Landkildehus, 2005: Relationships between environmental variables and zooplankton subfossils in the surface sediments of 36 shallow coastal brackish lakes with special emphasis on the role of fish. *J. Paleolimnol.* 33: 39-51.

Amsinck, S.L., E. Jeppesen & F. Landkildehus, 2005: Reconstruction of past changes in zooplankton community structure and planktivorous fish densities from sedimentary subfossils - a study in a coastal lake subjected to major fish kill incidents during the past century. *Arch. Hydrobiol.* 162: 000-000-

Battarbee, R., N.J. Anderson, E. Jeppesen & P. Leavitt, 2005: Eutrophication and oligotrophication – the combined role of palaeolimnological and observational records. - *Freshwat. Biol.* 50: 1772-1780.

Bradshaw, E.G., Rasmussen, P. & Odgaard, B.V. 2005. Mid to Late Holocene land-use change and lake development at Dallund Sø, Denmark: Synthesis, linking land and lake. - *The Holocene* 15: 1152-1162.

Declerck, S., J. Vandekerkhove, L. Johansson, K. Muylaert, J.M. Conde-Porcuna, K. Van der Gucht, C. Pérez-Martínez, T.L. Lauridsen, K. Schwenk, G. Zwart, W. Rommens, J. López-Ramos, E. Jeppesen, W. Vyverman, L. Brendonck, and L. De Meester. 2005. Multi-group biodiversity in shallow lakes along gradients of phosphorus and water plant cover. *Ecology* 86:1905-1915.

Gonzales Sagrario, M.A., E. Jeppesen, J. Gomà, M. Søndergaard, T. Lauridsen & F. Landkildehus, 2005: Does high nitrogen loading prevent clear-water conditions in shallow lakes at moderately high phosphorus concentrations? *Freshwat. Biol.* 50: 27-41.

Gyllström, M., L-A. Hansson, E. Jeppesen et al., 2005: Zooplankton community structure in shallow lakes: interaction between climate and productivity. *Limnol. Oceanogr.* (in press)

Jeppesen, E., J.P. Jensen, M. Søndergaard & T. Lauridsen 2005: Response of fish and plankton to nutrient loading reduction in 8 shallow Danish lakes with special emphasis on seasonal dynamics. - *Freshwat. Biol.* 50: 000-000.

Jeppesen, E., M. Søndergaard, J.P. Jensen, T. Lauridsen, L. Liboriussen, R. Bjerring Hansen, L.S. Johansson & F. Landkildehus, 2005: The response of north temperate lakes to reduced nutrient loading with special emphasis on shallow Danish lakes. *Ver. Int. Verein. Limnol.* 29, Part 1: 000-000.

Jeppesen, E., M. Søndergaard, J.P. Jensen, K. Havens, O. Anneville, L. Carvalho, M.F. Coveney, R. Deneke, M. Dokulil, B. Foy, D. Gerdeaux, S.E. Hampton, K. Kangur, J. Köhler, S. Körner, E. Lammens, T.L. Lauridsen, M. Manca, R. Miracle, B. Moss, P. Nöges, G. Persson, G. Phillips, R. Portielje, S. Romo, C. L. Schelske, D. Straile, I. Tatrai, E. Willén & M. Winder, 2005: Lake responses to reduced nutrient loading – an analysis of contemporary long-term data from 35 case studies. *Freshwat. Biol.* 50: 000-000.

Johansson, L.S., S. Amsinck, R. Bjerring & E. Jeppesen, 2005: Holocene lake development at Lake Dallund, Denmark: trophic structure inferred from cladoceran subfossils. *Holocene* 15: 1143-1151.

Kronvang, B., E. Jeppesen, D.J. Conley, M. Søndergaard, S.E. Larsen, N.B. Ovesen & J. Carstensen, 2005: Nutrient pressures and ecological responses to nutrient loading reductions in Danish streams, lakes and coastal waters. *J. Hydrol.* 304: 274-288.

Köster, F. W., C. Möllmann, H.-H. Hinrichsen, J. Tomkiewicz, K. Wieland, G. Kraus, R. Voss, B. R. MacKenzie, D. Schnack, A. Makarchouk, M. Plikshs, and J. E. Beyer. 2005. Baltic cod recruitment – the impact of climate variability on key processes. *ICES J. Mar. Sci.* 62: 1408-1425.

Liboriussen, L. & E. Jeppesen, 2005. Periphyton-macroinvertebrate interactions in light and fish manipulated enclosures in a clear and a turbid shallow lake. *J. Aquat. Ecol.* 39: 23-39.

Liboriussen, L., F. Landkildehus, M. Meerhoff, M. Søndergaard, K. Christoffersen, K. Richardson, M. Søndergaard, T. Lauridsen & E. Jeppesen, 2005: Global warming: Design of a flow-through shallow lake mesocosm climate experiment. *Limnol. Oceanogr. Methods.* 3: 1-9.

Lumborg, U. and Pejrup, M., 2005. Modelling of cohesive sediment transport in a tidal lagoon – an annual budget. *Marine Geology* 218: 1–16.

Madsen, A.T., Murray, A.S., Andersen, T.J., Pejrup, M., Madsen, H.B. 2005. Optically Stimulated Luminescence Dating of Young Estuarine Sediments: A Comparison with ^{210}Pb and ^{137}Cs Dating. *Marine Geology* Vol. 214, p. 251-268.

McGowan, S., P.R. Leavitt, N.J. Anderson, R.I. Hall, E. Jeppesen & B.V. Odgaard, 2005: Changes in algal production and community composition during a shift from a clearwater to a turbid state in two shallow lakes: a palaeolimnological approach. *Ecology.* 86: 2200-2211.

Meerhoff, M., C. Fosalba, C. Bruzzone, N. Mazzeo, W. Noordoven, and E. Jeppesen. 2006. An experimental study of habitat choice by *Daphnia*: plants signal danger more than refuge in subtropical lakes. *Freshwater Biology* 51: 1320-1330.

Sand-Jensen, K. & N. L. Pedersen. 2005. Differences in temperature, organic carbon and oxygen consumption among lowland streams. *Freshwat. Biol.* 50: 1927-1937.

Scheffer, M., van Geest, G.J., Zimmer, K., Jeppesen, E., Søndergaard, M., Butler, M.G., Hanson, M.A., Declerck, S. & De Meester, L. 2006: Small habitat size and isolation can promote species richness . Second-order effects on biodiversity in shallow lakes and ponds. *Oikos* 112(1): 227-231.

Søndergaard, M. 2005. Dissolved organic carbon (DOC) and its bioavailability in Lake Esrum, Denmark. *Verh. Int. Ver. Angew. Theor. Limnol.* 29: 261-264

Søndergaard, M., J.P. Jensen & E. Jeppesen, 2005: Seasonal response of nutrients to reduced phosphorus loading in 12 Danish lakes. *Freshwat. Biol.* 50: 1605-1615.

Vandekerkhove, J., S. Declerck, E. Jeppesen, J.M. Conde Porcuna, L. Brendonck & L. De Meester, 2005: Dormant propagule banks integrate spatio-temporal heterogeneity in cladoceran communities. *Oecologia* 142: 109-116.

Vandekerkhove, J., Declerck, S., Brendonck, L., Conde-Porcuna, J.M., Jeppesen, E., Johansson, L.S. & De Meester, L. 2005: Uncovering hidden species: hatching diapausing eggs for the analysis of cladoceran species richness. *Limnology and Oceanography. Methods* 3: 399-407.

Vandekerkhove, J., S. Declerck, L. Brendonck, J.M. Conde-Porcuna, E. Jeppesen & L. De Meester, 2005: Hatching of cladoceran resting eggs: temperature and photoperiod. *Freshwat. Biol.* 50: 96-104.

2006

Amsinck, S.L., Strzelczak, A., Bjerring, R., Landkildehus, F., Lauridsen, T.L., Christoffersen, K. & Jeppesen, E. 2006: Lake depth rather than fish planktivory determines cladoceran community structure in Faroese lakes – evidence from contemporary data and sediments. - *Freshwater Biology* 51: 2124-2142.

Andersen, H.E., Kronvang, B., Larsen, S.E., Hoffmann, C.C., Jensen, T.S. & Rasmussen, E.K. 2006: Climate-change impacts on hydrology and nutrients in a Danish lowland river basin. - *Science of the Total Environment* 365: 223-237.

Christoffersen, K., Andersen, N., Søndergaard, M., Liboriussen, L. & Jeppesen, E. 2006. Implications of climatic enforced temperature increases on freshwater pico- and nanoplankton populations studied in artificial ponds during 16 months. *Hydrobiologia* 560:259-266.

Jensen, J.P., A.R. Pedersen, E. Jeppesen & M. Søndergaard, 2006: An empirical model describing the seasonal dynamics of phosphorus in 16 shallow eutrophic lakes after external loading reduction. *Limnology and Oceanography* 51: 791-800.

Jeppesen, E., Z. Pekcan Hekim, T. Lauridsen, M. Søndergaard & J.P. Jensen, 2006: Habitat distribution of fish in late summer: Changes along a nutrient gradient in Danish lakes. – *Ecol. Freshwat. Fish.* 15: 180-190.

Kragh, T., Søndergaard, M. & Borch, N. H. 2006. The effects of zooplankton on the dynamics and molecular composition of carbohydrates during an experimental algal bloom. *J. Limnol.* 65:

Kristensen, D. M., Jørgensen, T. R., Larsen, R. K., Forchhammer, M. C., & Christoffersen, K. S. (2006). Inter-annual growth of Arctic charr (*Salvelinus alpinus*, L.) in relation to climate variation. *BMC Ecology* 2006, 6:10.

Liboriussen, L. & Jeppesen, E. 2006: Structure, biomass, production and depth distribution of periphyton on artificial substratum in shallow lakes with contrasting nutrient concentrations. *Freshwater Biology* 51: 95-109.

Lumborg, U., T. J. Andersen & M. Pejrup, 2006. The effect of *Hydrobia ulvae* and microphytobenthos on cohesive sediment dynamics on an intertidal mudflat described by means of numerical modelling. *Estuarine Coastal and Shelf Science* 68 208–220.

Maar, M., Visser, A.W., Nielsen, T.G., Stips, A. and Saito, H. (2006) Turbulence and feeding behaviour affect the vertical distribution of *Oithona similis* and *Microsetella norwegica*. *Mar. Ecol. Prog. Ser.*, **313**, 157-172.

Meerhoff, M., C. Fosalba, C. Bruzzone, N. Mazzeo, W. Noordoven, and E. Jeppesen. 2006. An experimental study of habitat choice by *Daphnia*: plants signal danger more than refuge in subtropical lakes. *Freshwater Biology* 51: 1320-1330.

Scheffer, M., van Geest, G.J., Zimmer, K., Jeppesen, E., Søndergaard, M., Butler, M.G., Hanson, M.A., Declerck, S. & De Meester, L. 2006: Small habitat size and isolation can promote species richness . Second-order effects on biodiversity in shallow lakes and ponds. *Oikos* 112(1): 227-231.

Staehr P.A. & Sand-Jensen K, (2006) Seasonal changes in temperature and nutrient control of photosynthesis, respiration and growth of natural phytoplankton communities. *Freshwater Biology*, 51: 249-251.

Vadeboncoeur, Y., Kalff, J., Christoffersen, K., & Jeppesen, E. (2006). Substratum as a driver of variation in periphyton chlorophyll and productivity in lakes. *N. Am. Benthol. Soc.* 25: 379-392.

In Press

Andersen, H.E., Larsen, S.E. and Kronvang, B. Empirical phosphorus loss models. *J. Hydrology*.

Andersen. T.J., Lund-Hansen, L, Pejrup, M., Jensen, K.T. & Mouritsen, K.N. Biologically induced differences in erodibility and aggregation of subtidal and intertidal sediments: a possible cause for seasonal changes in sediment deposition. *Journal of Marine Systems*.

Conan, P, M. Søndergaard*, T. Kragh, F. Thingstad, M. Pujó-Pay, P. J. leB. Williams, S. Markager, G. Cauwet, N.-H. Borch, D. Evans & B. Riemann. 2007. Partitioning of organic production in marine plankton communities: The effects of inorganic nutrient

ratios and community composition on new dissolved organic matter. *Limnol. Oceanogr.*

Davidson, T., Sayer, C., Perrow, M.R. & Jeppesen, E. Is there a reliable animal-fossil relationship between contemporary and surface sediment cladoceran assemblages? *Journal of Paleolimnology*.

Iglesias, C., G. Goyenola, N. Mazzeo, M. Meerhoff, E. Rodó, and E. Jeppesen. Horizontal dynamics of zooplankton in subtropical Lake Blanca (Uruguay) hosting multiple zooplankton predators and aquatic plant refuges. *Hydrobiologia*.

Jeppesen, E., M. Søndergaard, M. Meerhoff, T. L. Lauridsen, and J. P. Jensen. Shallow lake restoration by nutrient loading reduction- some recent findings and challenges ahead. *Hydrobiologia Special Volume Shallow Lakes*.

Jeppesen, E., Meerhoff, M., Jakobsen, B.A., Hansen, R.S., Søndergaard, M., Jensen, J.P., Lauridsen, T.L., Mazzeo, N. & Branco, C.W.C. 2006: Restoration of shallow lakes by nutrient control and biomanipulation – the successful strategy varies with lake size and climate. *Hydrobiologia*.

Jeppesen, E., Søndergaard, M., Pedersen, A.R., Jürgens, K., Strzelczak, A., Lauridsen, T.L. & Johansson, L.S. Salinity induced regime shift in shallow brackish lagoons. *Ecosystems*.

Jeppesen, E., M. Søndergaard, T.L. Lauridsen, B. Kronvang, M. Beklioglu, E. Lammens, J. Köhler, A.-M. Ventelä, M. Tarvainen & I. Tátrai. Danish and some other European experiences in managing shallow lakes. *Lake Line*.

Michels, H., Amsinck, S.L., Jeppesen, E. & Meester, L.D.: Interclonal variation in diel horizontal migration behavior of the water flea *Daphnia magna* - searching for a signature of adaptive evolution. *Hydrobiologia*.

Scheffer M & E. Jeppesen. Regime shifts in shallow lakes. *Ecosystems*.

Staehr P.A. & Birkeland M.J. (2006) Temperature acclimation of growth, photosynthesis and respiration in two mesophilic phytoplankton species. *Phycologia*. November 2006 issue

Staehr P.A. & Sand-Jensen K. (2007) Temporal dynamics and regulation of lake metabolism. *Limnology and Oceanography*, 52(1):000-000.

Van Doorslaer W., R. Stoks, E. Jeppesen & L. De Meester. Adaptive responses to simulated global warming in *Simocephalus vetulus*: a mesocosm study. *Global Changes in Biology*

Visser, AW. (2006) Lagrangian modelling of plankton motion: From deceptively simple random walks to Fokker-Planck and back again. *J Mar Sys*.

Submitted

Andersen, T. J. and Pejrup, M. Long-term and high-resolution measurements of bed-

level changes in a temperate, microtidal coastal lagoon. Submitted to Marine Geology.

Bjerring R., E. Bradshaw, S.L. Amsinck, L.S. Johansson, B. V. Odgaard, A.B. Nielsen & E. Jeppesen. Searching for the reference state: a paleoecological study of 21 low-human-impacted lakes in Denmark using cladoceran and diatom subfossils. Submitted to Journal of Applied Ecology.

Brancelj, A., E. Jeppesen, M. Kernan, M. Manca, M Rautio & E. Stuchlik, .Pan-European Cladocera remains from remote mountain lakes (EMERGE project). Submitted to Archiv für Hydrobiologie.

Davidson T.A., C. D. Sayer, M. Perrow, M. Bramm & E. Jeppesen. A novel approach to inferring past biological structure and function in shallow lakes from sub-fossil cladoceran assemblages. Submitted to Freshwater Biology.

Dove, O.H., S. Schmidt, L. De Meester, J. Conde Porcuna, E. Jeppesen & K. Schwenk, submitted: The influence of environmental factors on inter- and intrapopulational genetic diversity of *Daphnia galeata* populations in Belgian/Dutch and Danish lakes.

Eero, M., MacKenzie, B. R., Karlsdottir, H. M., Gaumiga, R. Development of international fisheries for cod (*Gadus morhua*) in the eastern Baltic Sea during 1860-1938. Submitted to Fisheries Research

Enghoff, I. B., MacKenzie, B. R. The Danish fish fauna during the warm Atlantic period (ca. 7,000-3,900 BC): forerunner of future changes? Submitted to Fisheries Research

Koski M, Møller EF, Maar M, Visser AW The fate of discarded appendicularian houses: degradation by *Microsetella norvegica* and other agents. J Plankton Res.)

Lami, A., S. Musazzi, A. Marchetto1, T. Buchaca, M. Kernan, E. Jeppesen & P. Guilizzoni, submitted: Sedimentary pigments in ca. 300 alpine lakes and their relation to environmental gradients.

Lassen, M. K., Nielsen, K.D., Richardson, K., Garde, K. and Schlüter, L. The effects of small temperature increases on a temperate winter phytoplankton community - a mesocosm climate change scenario. Journal of Plankton Research.

MacKenzie, B. R., Schiedek, D. Long-term spatial synchrony of coastal and offshore sea surface temperatures in the North Sea-Baltic Sea region. Submitted to J. Mar. Systems

MacKenzie, B. R., Schiedek, D. Daily ocean monitoring since the 1860s shows record warming of northern European seas. Submitted to Global Change Biology

MacKenzie, B. R., Gislason, H., Möllmann, C., Köster, F. W. Impact of 21st century climate change on the Baltic Sea fish community and fisheries. Submitted to Global Change Biology

MacKenzie, B. R., Myers, R. A. The development of the northern European fishery for north Atlantic bluefin tuna *Thunnus thynnus* during 1900-1950. Submitted to Fisheries Research

Manca, M., Torretta, B., Comoli, P. & Jeppesen, E. Major changes in the trophic dynamics in large, deep subalpine Lake Maggiore from 1943 to 2002: a high resolution comparative paleo-neolimnological study. Submitted to Freshwater Biology.

Meerhoff, M., Teixeira de Mello, F., Iglesias, C., Clemente, J.M., Jensen, E. & Jeppesen, E. Effects of contrasting climates and habitat complexity on community structure and predator avoidance behaviour of zooplankton in the shallow lake littoral.

Meerhoff, M., J. M. Clemente, F. Teixeira de Mello, C. Iglesias, A. R. Pedersen, and E. Jeppesen. submitted Can warm climate-related structure of littoral predator assemblies weaken clear water state in shallow lakes? Submitted to Global Change Biology

Overgård, M., E. Jeppesen, C. Risholt, T. Lauridsen, M. Søndergaard & P. Grønkjær, submitted: Habitat selection of zooplankton in a clear and a turbid shallow lake: effects of introducing artificial plants as refuge against predation.

Pedersen, N.L. & Sand-Jensen, K. Temperature in lowland Danish streams: Contemporary patterns, empirical models and future scenarios (submitted to *Hydrological Processes*).

Poulsen, B., Holm, P. A fishery of historical magnitude. Reconstructing the 17th-19th centuries catches of herring, eel, whitefish and plaice in Limfjorden, Denmark. Submitted to Fisheries Research

Søndergaard, M., E. Jeppesen, T.L. Lauridsen, C. Skov, E.H. Van Nes, R. Roijackers, E. Lammens & R. Portielje. Lake restoration in Denmark and The Netherlands: successes, failures and long-term effects. Submitted to Journal of Applied Ecology.

VanderZanden, M.J., Y. Vadeboncouer, M.W. Diebel & E. Jeppesen, submitted: Primary consumer stable nitrogen isotopes as indicators of nutrient source pathways.

Wrona, F., T. Prowse, J. Reist, Beamish, R., J.J. Gibson, J. Hobbie, E. Jeppesen, J. King, A. Korhola, R. Macdonald, M. Power, V. Skvortsov, G. Koeck, W. Vincent & L. Lévesqué. Impacts of climate change and UV radiation on freshwater arctic ecosystems. In: Freshwater Arctic Ecosystems (under revision). ACIA Scientific report.

Papers in preparation

Bramm, M.E., M.F. Lassen, L. Liboriussen, K. Richardson & E. Jeppesen. Fish-zooplankton-phytoplankton interactions in shallow lakes at contrasting irradiance levels with special focus on the winter season.

Burks, R.L., H. Michels, M.D.G. Sagrario & E. Jeppesen: Spineless but not wimpy: invertebrate predator (Chaoborus) prompts diel horizontal migration of large-bodied *Daphnia*.

Clemente J. M., Meerhoff M. & E. Jeppesen. Contrasting fish-macroinvertebrates-periphyton interactions in temperate and subtropical shallow lakes.

Garde, K., Erichsen, Møhlenberg, Gustavson. Impact of climate change on plankton dynamics: Combination of field studies and a model approach. In prep

Guldberg, A., A. Erichsen, J. Hesselbjerg Christensen & K.Edelvang. Modeling climate impact on the Danish marine environment - verification for present day climate

Jacobsen, B., Richardson, K., MacKenzie, B. R. The influence of climate variability on the migration and recruitment of garfish (*Belone belone* Linne 1761) in Danish waters

Jackson, L.J. & E. Jeppesen: Patterns, processes, and contrast of macrophyte-dominated and turbid Danish and Canadian shallow lakes, and implications of climate change.

Larsen, S.E., Kronvang, B., Ovesen, N.B., Andersen, H.E. & Christensen, O.B. Climate change impacts on runoff and nutrient losses in Denmark.

Liboriussen, L. & E. Jeppesen, submitted: Structure, biomass, production and depth distribution of periphyton on artificial substratum in shallow lakes with contrasting nutrient concentrations.

Liboriussen, L. & E. Jeppesen, submitted: Periphyton biomass, production and respiration in a shallow lake during winter and spring.

Lumborg, U.; Boas, K.; Andersen, T. J.; Lundkvist, M. Thodsen, H.; Edelvang, K. (in prep) Modelling fine-grained sediment dynamics in Odense Fjord: Aspects of climatic changes.

Lumborg, U. & Pejrup M. Modelling of cohesive sediment transport in a tidal lagoon – An annual budget.

Lumborg, U., Andersen, T. J. & Pejrup, M. The effect of *Hydrobia ulvae* and microphytobenthos on cohesive sediment transport on an intertidal mudflat – described by means of numerical modelling.

Lumborg, U., Bundgaard, K., Edelvang, K. and Pejrup, M.: The future state of the Danish Wadden Sea, intertidal flats and marsh areas: A numerical study. In prep

Lumborg, U., Thodsen, H. and Edelvang, K: The adaption of three Danish estuarine areas to climate change – from the West to the East. In prep

Lumborg, U., Andersen, T.J. and Edelvang, K.: Intertidal areas and sea-level rise: Examples from Denmark. In prep

MacKenzie, B. R., Bager, M., Ojaveer, H., Holm, P., Heino, U., Multi-decadal scale variability in the Eastern Baltic cod fishery 1550-1850: evidence and causes.

Madsen, A.T., Murray, A.S., Andersen, T.J., Pejrup, M. & Breuning-Madsen, H. Optically stimulated luminescence dating of young estuarine sediments: A comparison with ^{210}Pb and ^{137}Cs dating.

Meerhoff M., Bramm M.E., Pedersen A.R., Liboriussen L., Landkildehus F., Lauridsen T.L., Søndergaard Ma. & E. Jeppesen. Response of zooplankton communities to 1-year experimental warming in temperate freshwater ponds.

Møhlenberg, F., Garde, K. & Gustavson, K. Effect of temperature of growth rate in phytoplankton and bacteria – laboratory and in situ measurements during a simulated spring bloom in mesocosms.

Møhlenberg, F., Garde, K. & Gustavson, K. The effects of increased water temperatures on Q10 in the marine environment.

Peeters, E.T.H.M., R.J.B. Franken, E. Jeppesen, M. Scheffer & B. Moss: Ecological quality of shallow lakes related to eutrophication: does knowledge of transparency suffice?

Rasch, P. Anders Erichsen & Mai-Britt Kronborg. Effects of Weather and Climate Change on Major Baltic Inflows – Present and Future.

Rasch, P., Anders Erichsen & Thomas Uhrenholdt: Nowcast sensitivity of 3D modelling of thermoclines and haloclines.

Rasch, P. Anders Erichsen & Thomas Uhrenholdt. Major Baltic Inflows, the ability of the climate model to simulate MBI- frequency and strength. Exemplified by 10 years events and the January 2003 inflow in detail.

Rasmussen, E.K., Lumborg, U., Edelvang, K. and Gertz, F.: A coupled model of biology and sedimentology: Application to Ringkøbing Fjord, Denmark. In prep.

Søndergaard, M. et al. Production of autochthonous dissolved organic matter in experimental lakes.

Teixeira de Mello, F., Meerhoff M. & E. Jeppesen. Substantial differences in littoral fish community structure and dynamics in shallow lakes under contrasting climates.

Thodsen, H. (in prep) The influence of climate change on stream flow in Danish rivers

Visser, A.W. & Richardson, K. The effect of tidal stage, wind forcing and isolation on the structure and productivity of the Dogger bank front in summer.

Visser, A.W. Cross frontal circulation and primary production: a diagnostic model for the Dogger Bank front in summer. To be submitted to J Mar Syst.

Books and book chapters:

2003

Holm, P. 2003. The Bohuslen Herring. Interlude to Dutch supremacy in the European fish market, 1556-1589, Akveld, L.M., Broeze, F., Gaastra, F.S., Jackson, G. & Morzer Bruyns, W.M.F. (Eds.): In het kielzog. Maritiem-historische studies aangeboden aan Jaap R. Bruijn, bij zijn vertrek als hoogleraar zeegegeschiedenis aan de Universiteit Leiden, Amsterdam: De Bataafsche Leeuw, p. 282-288.

Jeppesen, E., M. Søndergaard, J.P. Jensen & T. Lauridsen, 2003: Chapter 5.1 "Restoration of eutrophic lakes: a global perspective". In: M. Kumagai & W.F. Vincent (Eds.), *Freshwater Management: Global Versus Local Perspectives*. Springer, Tokyo: 135-152.

Christoffersen, K. S., Amsinck, S. L., Landkildehus, F., Lauridsen T. L., & Jeppesen, E. Chapter 17: Lake flora and fauna in relation to ice-melt, water temperature and chemistry. In: Meltofte, H., Christensen T.R, Elberling B., Forchhammer M. & M. Rasch. *Dynamic of a high Arctic Ecosystem: Relations to climate variability and change*. *Advances in Ecological Research*, Elsevier, Ltd.

2005

Bennike, O., K.P. Brodersen, E. Jeppesen & I.R. Walker, I.R. 2005: Aquatic invertebrates and high latitude palaeolimnology. In: Pienitz, R., Douglas, M.S.V. & Smol, J.P. (eds.): *Long-term environmental change in Arctic and Antarctic lakes*, 159-186. Springer Verlag.

Burks, R., G. Mulderij, E. Gross, I. Jones, L. Jacobsen, E. Jeppesen & E. Van Donk, accepted: Telling macrophyte tales: new insights into the established importance of aquatic vegetation in regulating trophic interactions in shallow lakes. *Intecol "Conference Wetland Science and Water Management"* chapter. *Ecological Studies Series*, Springer Verlag.

Jeppesen, E., M., Søndergaard, N. Mazzeo, M. Meerhoff, C. Branco, V. Huszar & Flavio Scasso, 2005: Lake restoration and biomanipulation in temperate lakes: relevance for subtropical and tropical lakes. In: (Ed. V. Reddy), *Tropical eutrophic lakes: their restoration and management*, pp. 331-359. M/S Science Publishers, INC, New York.

Knudsen, N.T. og Odgaard, B. 2004. Dannelsen af søer og vandløb og deres udvikling. – I: Hofmeister, E. (red.) *De ferske vandes kulturhistorie i Danmark*: 9-21.

Kronvang, B., Grant, R., Hoffmann, C.C., Ovesen, N.B. & Pedersen, M.L. 2006: Hydrology, sediment transport and water chemistry. In: Sand-Jensen, K., Friberg, N. & Murphy, J. (eds.): *Running Waters. Historical development and restoration of lowland Danish streams*. National Environmental Research Institute, Denmark . pp. 27-43.

Moss, B. E. Jeppesen, & M.O. Gessner, 2005: Experimental warming (enclosures, plots, whole ecosystems). In: Gessner, M.O. (ed.): Litter decomposition in aquatic ecosystems. Methods in Ecology Series. Blackwell Sciences.

Moss, B., C. Brönmark, L.A. Anderson, E. Jeppesen & G. George, 2005: Small lakes and ponds, 2003. In: Polunin, N. & A.J.B. Zehner (Eds.): Environmental future of aquatic ecosystems. Cambridge University Press, London.

MacKenzie, B. R. Anthropogenic impacts on the Baltic Sea: problems and solutions. Invited paper to International Conference on Biodiversity Science and Governance, Paris, France, Jan. 24-28, 2005.

Poulsen, Bo. 'Talking Fish - Cooperation and communication in the Dutch North Sea herring fisheries' in: Hanno Brand, Poul Holm and Leos Muller (eds.), *The Dynamics of economic culture in the Northsea- and Baltic Region (ca. 1250-1700) vol. 1*, (Studies of the Groningen Hansa Research Center, forthcoming).

Poulsen, Bo. 'Marine resources and the Dutch North Sea herring fisheries – The methodology of reconstructing catch per boat per day fishing, c. 1600-1850,' in: Louis Sicking and Abreu-Ferreira, Darlene(eds.) *Consequences of the North Atlantic Fisheries in the Middle Ages and Early Modern Period. Interdisciplinary approaches in history, archaeology, and biology*, (Brill, forthcoming).

2006

Amsinck, S.L., Jeppesen, E., 2006: Cladoceran resting eggs and anthropogenic change tracking. In Diapause in aquatic invertebrates: role for ecology, physiology and human uses. Eds. Alekseev, V., De Stasio, B., Springer-Verlag. (In press.)

Burks R.L., G. Mulderij, E. Gross, J.I. Jones, L. Jacobsen, E. Jeppesen, & Van Donk E., 2006. Center stage: the crucial role of macrophytes in regulating trophic interactions in shallow lake wetlands. In: Wetlands: Functioning, Biodiversity Conservation, and Restoration. (Eds Bobbink R., Beltman B., Verhoeven J.T.A. & Whigham D.F.), pp 37-59. Springer-Verlag, Berlin Heidelberg.

De Meester, L., S. Declerck, J. Janse, P.J.T.M. Van Puijenbroek, R. Portielje, E. Lammnes, E. Jeppesen, T. Lauridsen, K. Schwenk, K. Moylaert, K. Van der Gucht, W. Vyverman, G. Zwart, E. Van Hannen, J.M. Conde-Porcuna, J. Vandekerhove & L. Brendonck, 2006: Chapter 8: Biodiversity in European shallow lakes: a multilevel – multifactorial field study. Ecological Studies, Springer Verlag, New York.

Jones, J.I. & Jeppesen, E., 2006: Body size and trophic cascades in lakes. In A. Hildrew (Ed.), Ecological Reviews. British Ecological Society.

MacKenzie, B. R., Möllmann, C., Köster, F. W. In press. Fish *in*: Chapter 5: Climate related marine ecosystem change BALTEX Assessment of Climate Change for the Baltic Sea Basin (BACC). Editors: H. v. Storch et al. (invited contribution)

Møhlenberg F. 2006. Bacteria. In: Assessment of Climate Change for the Baltic Sea Basin (Chapter 5.3.2). Springer Verlag (in press)

Søndergaard, M., B. Kronvang, M. Pejrup & K. Sand-Jemsem (eds). 2006. Vand og Vejr om 100 år. Klimaforandringer og det danske vandmiljø. Hovedland, ISBN 87-7739-889-0, 144 pp. 45 Conway deltagere har bidraget til bogen.

Søndergaard, M. & T. Kragh. 2006. Production and fate of autochthonous DOM: An experimental approach. In: CIESM Workshop Monographs 28: 49-57.

Submitted

Bennike, O. Sørensen, M., Amsinck, S.L., Andreasen, C., Beyens, L., Böcher, J., Christiansen, H.H., Fredskild, B., Jacobsen, B.H., Humlum, O., Jeppesen, E., Klein, D. Ledeganck, P. & Meldgaard, M.: Late Quaternary geology, biology and archaeology of the Wollaston Forland region.

Christoffersen, K. S., Amsinck, S. L., Landkildehus, F., Lauridsen T. L., & Jeppesen, E. Chapter 17: Lake flora and fauna in relation to ice-melt, water temperature and chemistry. In: Meltofte, H., Christensen T.R, Elberling B., Forchhammer M. & M. Rasch. Dynamic of a high Arctic Ecosystem: Relations to climate variability and change. Advances in Ecological Research, Elsevier, Ltd.

Other scientific reports:

2002

MacKenzie, B. R., K. Awebro, M. Bager, P. Holm, J. Lajus, A. Must, H. Ojaveer, B. Poulsen & D. Uzars. 2002. Baltic Sea fisheries in previous centuries: development of catch data series and preliminary interpretations of causes of fluctuations. ICES CM 2002/L:02.

2003

Andersen, H.E., Larsen, S.E. & Kronvang, B. 2003: Udvikling af empiriske fosformodeller. I: Bøgestrand, J. (red.): Vandløb 2002. NOVA 2003. Danmarks Miljøundersøgelser. - Faglig rapport fra DMU 470: 60-76. Available at: http://www.dmu.dk/1_viden/2_Publikationer/3_fagrappporter/rappporter/FR470.PDF

Hoffmann, C.C., Kronvang, B., Andersen, I. & Jacobsen, J.P. 2003: Fate of Nutrients during Flooding Events in a Riparian Wetland. In: Morawska, D., Siedlecki, T. & Stelmaszczyk, M. (eds.): Proceedings of the Warsaw conference of ECOFLOOD, Towards natural flood reduction strategies. Warsaw Agricultural University. 6 pp. (CD-ROM). Available at: <http://levis.sggw.waw.pl/ecoflood/>

Kofoed Andersen, I., Hoffmann, C.C. & Kronvang, B. 2003: Water exchange and sedimentation during inundation of a lowland floodplain. In: Morawska, D., Siedlecki, T. & Stelmaszczyk, M. (eds.): Proceedings of the Warsaw Conference of ECOFLOOD, Towards natural flood reduction strategies, 6-13 September 2003. Warsaw Agricultural University. P. 1-6 (CD-ROM). Available at: <http://levis.sggw.waw.pl/ecoflood>

Kronvang, B. 2003: Functioning and importance of lowland river floodplains as sinks for sediment, organic matter and nutrients during flooding. In: Morawska, D., Siedlecki, T. & Stelmaszczyk, M. (eds.): Proceedings of the Warsaw Conference of

ECOFLOOD, Towards natural flood reduction strategies, 6-13 September 2003. Warsaw Agricultural University. P. 1-3 (CD-ROM). Available at: <http://levis.sggw.waw.pl/ecoflood>.

Larsen, S.E., Kronvang, B. & Ovesen, N.B. 2003: Udviklingen i vandafstrømningen og nedbøren i Danmark de seneste 85 år. I: J. Bøgestrand: Vandløb 2002. NOVA 2003. Danmarks Miljøundersøgelser. - Faglig rapport fra DMU 470: 49-59. Available at: http://www.dmu.dk/1_viden/2_Publikationer/3_fagrapporter/rapporter/FR470.PD

Kofoed Andersen, I., Hoffmann, C.C. & Kronvang, B. 2003: Water exchange and sedimentation during inundation of a lowland floodplain. In: Morawska, D., Siedlecki, T. & Stelmazczyk, M. (eds.): Proceedings of the Warsaw Conference of ECOFLOOD, Towards natural flood reduction strategies, 6-13 September 2003. Warsaw Agricultural University. P. 1-6 (CD-ROM). Available at: <http://levis.sggw.waw.pl/ecoflood>

2004

Thodsen, H., Hasholt, B. & Pejrup, M. (2004). Transport of phosphorus, wash load and suspended sediment in River Varde Å in southwest Jutland, Denmark. Proceedings of the IAHS symposium Moscow. August 2004. IAHS publ. 288.
Meerhoff, M. & Mazzeo, N. 2004. Importancia de las plantas flotantes libres de gran porte en la conservación y rehabilitación de lagos someros de Sudamérica. Ecosistemas 2004/2 (URL: <http://www.aet.org/ecosistemas/042/revision1.htm>)

2005

DHI (2005): What is ECO Lab?
<http://www.dhisoftware.com/ecolab/Description/index.htm>

Kronvang, B., Svendsen, L. M., Jensen, J. P. and Dørge, J., (1999): Scenario analysis of nutrient management at the river basin scale. Hydrobiologia 410: 207-212.

Closter, A.M., Closter, R. M., Cappelen, J., Christensen, J. H. & Christoffersen, K. (2005). Temperature measurements in Copenhagen from 1767 to 1680. Internal report 05-09. Danish Meteorological Institute. Ministry of Transport and Energy, Copenhagen, Denmark, p. 8.

2006

Christoffersen, K. (2006). De ferske vandes økologi. I: Arktisk Station 1906.2006. L. Bruun (Ed.). Arctic Station, University of Copenhagen, pp. 198-303.

Popular science magazines, journals, and newspapers:

2002

Søndergaard, M. Miljøforskning i medvind. Pressemeldelse, juni 2002.

2003

Holm, P.: Dansk fiskeri: fra succes til sammenbrud, Geografisk orientering, Drg. 33, nr. 1, 2003, p. 9-16

Holm, P. & B. R. MacKenzie. 2003. Østersøens historiske fiskebestande – hvor mange fisk var der i gamle dage? *Fisk og Hav* 55: 4-10. Revised edition published as: Poul Holm & Brian R.

Møhlenberg, F., Garde, K. & Gustavson, K. 2003. Tag temperaturen på plankton. *Vand & Jord*, årgang 10, 157- 159

2004

Andersen, I.K., Kronvang, B. & Hoffmann, C.C. 2004: Vandbalance og sedimentation på oversvømmede enge. *Vand & Jord* 10(4): 152-156.

Jeppesen, E., J.P. Jensen, M. Søndergaard, M.A. González Sagrario & J Gomà, 2004: Spiller kvælstof en større rolle i lavvandede søer end hidtil antaget? *Vand & Jord* 11(3): 98-101.

MacKenzie: Environmental History and Historical Fish Populations in the Baltic. Learning from Environmental History in the Baltic Countries, ed. Per Eliasson (Malmö: Liber Distribution, 2004) 39-44

MacKenzie, B. R. MarBEF investigates biodiversity of fish. *MarBEF Newsletter* 1: 13

Poulsen, Bo 'Gamle papirer giver ny viden om Nordsøens bestande af sild', in: *Fisk & Hav*, (forthcoming).

Brüsch, W., Edelvang, K., Fenger, J., Rahbek, K., Stoltze, M., Vestergaard, P., Gram, S. og Bedsted, B. 2004: Når havet stiger. Nyt klima – nyt liv? Teknologirådets rapporter 2004/5. ISBN:87-90221-90-7 www.tekno.dk

2005

Pedersen, N.L. & Sand-Jensen, K. 2005. Temperaturen i vandløb: empiri og modeller. *Vand & Jord* 2, 48-53.

Pedersen, N.L. & Sand-Jensen, K. 2005. Indskudte søer i vandløb øger stofomsætningen. *Vand & Jord* 2, 54-57.

Sand-Jensen, K. & Pedersen, N.L. 2005b. Troværdige spådomme om fremtidens klima. *Aktuel Naturvidenskab*, 1, 30-32.

2006

N. Lagergaard Pedersen, K. San-Jensen & M. Søndergaard. 2006. Hvordan påvirker temperaturen den bakterielle omsætning. *Vand & Jord* 3, september: 88-92

Contact with the media

Dansk Fiskeritidende (Danish Fishermens' Association newspaper) May 1, 2003. Interview with Brian MacKenzie (DIFRES) regarding North Sea fish communities and climate change.

Interviews with Danish press (e.g., Jyllands Posten, Dansk Fiskeritidende) and popular science magazines regarding fish populations and climate change.

Scientific contributions made to Danish popular science TV program Viden Om ("Knowledge About") for an episode dealing with Baltic cod, March 2004.

Ritzau News Agency, May 2004. Article on the Climate experiment in Lemming. Presented over 1 page in the local newspaper "Midtjyllands Avis" and in Text TV (DR1).

Two Radio programmes with interviews taken "on location" at the experimental facility at Lemming

Radioprogram: Interview med Karen Edelvang om effekter af øget nedbør på udvaskning af N.

Artikel i ingeniørens Netavis (september 2006) omkring Blågrønalgers øgede udbredelse i et fremtidigt klima.

DR-Bornholm, regionale nyheder, 20.09.2006 kl. 12.30

Orientering: Blågrønalger vil i fremtiden brede sig omkring Danmark. Ifølge DHI Institut for Vand og Miljø sker dette pga. klimaændringer. I dag er der kun risiko for alger omkring Sjælland og øerne en enkelt uge om sommeren, men om 50 år vil det stige til en måned, og de vil brede sig ind i Kattegat

Feature in Berlinske Tidende: Vand og vejr om 100 år. September 2006.

Frontpage: 24 timer "Torsk og Sardiner", September 2006.

Oral/Poster contributions

2002

Edelvang, K., A. Erichsen, K. Gustavson & .K.I. Dahl-Madsen. 2002.

Modellering af de økologiske konsekvenser af vejr- og klimaforandringer i de danske farvande: Præsentation af et koncept baseret på Farvandsmodellen. Præsentation ved DMUs Natur- og Miljøforskningskonference 22. - 23. august 2002 i København.

Edelvang, K. 2002. Modelling sediment and water movement: 2D and 3D cohesive sediment transport models. STRAEE workshop on European coastal research. Ferrara from 9 to 14 of September 2002 arranged by DIPARTIMENTO DI SCIENZE DELLA TERRA UNIVERSITA DI FERRARA.

Søndergaard, M. 2002. Konsekvenser af vejr- og klimaforandringer for vandmiljøet. Et projekt under initiativet: Større Tværgående Forskergrupper. Præsentation ved DMUs Natur- og Miljøforskningskonference 22. - 23. august 2002 i København.

Søndergaard, M. 2002. Dänische Initiative zur Klimafolgenforschung aquatischer Systeme (CONWOY). Deutsche Forschungsgemeinschaft-Rundgespräch, 15 – 17 September, Berlin.

2003

Christoffersen, K., Faafeng, B., Amsinck, S.L. & Hansen, R.B. 2003. Abundance and composition of phytoplankton communities in 300+ arctic, subarctic and cold temperate lakes. NORLAKE Symposium, October, Silkeborg.

Edelvang, K. 2003. Prognoses and simulations of aquatic ecosystems in a climate change perspective. Scientific Seminar 26-27 May at Sønderborg, Denmark on "the 2002 Oxygen Depletion in the Baltic Sea and Nutrient Input Levels under different Climate Change Scenarios".

Edelvang, K., Sørensen, Jacob Tornfeldt, Pejrup Morten, Lumborg, Ulrik & Andersen, Thorbjørn Joest 2003. Implikationer på konsekvenser af vandstandsstigninger i danske kystområder – eksemplificeret ved Ho Bugt. Præsentation ved Dansk Klimaforum, 1. december 2003

Edelvang, K.. Oceans, Biogeochemistry & Ecosystems Analysis. International Open Science Conference, January 2003 Paris.

Garde, K. Møhlenberg, F. & Gustavson, K. 2003. Konsekvens af temperaturøgning for planktonproduktionen i Danmark. Præsentation ved Dansk Klimaforum, 1. december 2003

Holm, P. North Sea fisheries 1500-1900 (keynote address). North Atlantic Fisheries History Association, Amsterdam 2 October 2003

Jeppesen, E. 2003. Opening speech at the Biomanipulation symposium, Turku, Finland, April.

Jeppesen, E.. 2003. Departmental seminar at the University of Lund, Sweden, March.

Jeppesen, E. 2003. Discussant at the 5th ICEF Conference on the environmental future of aquatic ecosystems, Zürich, Switzerland.

Lassen, M.F. 2003. How do increased winter temperatures affect phytoplankton photosynthesis and competition. Scientific Seminar 26-27 May at Sønderborg, Denmark on "the 2002 Oxygen Depletion in the Baltic Sea and Nutrient Input Levels under different Climate Change Scenarios".

2004

Christoffersen, K. 2004. Structure and function of microbial communities along a temperature gradient. Invited. University of Svalbard, Norway.

Edelvang, K. Konsekvenser af vejr og klimaforandringer for det marine miljø. Invited presentation at the IDA conference, November. Copenhagen.

Erichsen, A., Rasch, Peter, Uhrenholdt, Thomas & Edelvang, Karen. Consequences of weather and climate changes for marine ecosystems (CONWOY). REGIONAL-SCALE CLIMATE MODELLING WORKSHOP. High-resolution climate modelling: Assessment, added value and applications. Lund, Sweden, 29 March - 2 April, 2004

Holm, P. Climate and fisheries, Fishnet conference, Copenhagen 13 Jan 2004 A Drop in the Ocean, a Plentiful Sea? Human Impact on Marine Life. Environmental History and the Oceans. Carlsberg Academy, Copenhagen, June 2-5, 2004

Holm, P. Marine Environmental History. Cross-disciplinary challenges. Nordic environmental history conference: Miljøhistorie over grænser. Malmö-København, 10 Juni, 2004

Holm, P. Er det vejrets eller fiskernes skyld? Fishnet conference. Esbjerg 18 August, 2004

Holm, P. Why does the fisheries management not always work as intended? Complementarities in Nordic fisheries conference, Hirtshals 9 September, 2004

Jeppesen, E. Plenary lecture on ecosystem effects of macrophytes at the symposium on "Aquatic Plant Biology in Freshwater Habitats", Wuhan, China, October 2004 (Invited)

Jeppesen, E. Plenary lecture on lakes' recovery from eutrophication at the SIL (Society of International Limnology) conference, Lähti, Finland, August 2004 (Invited)

Jeppesen, E. Co-session chair and speech, Intercol, Utrecht, the Netherlands, July 2004 (Invited)

Jeppesen, E. Key-note lecture on the art and future research directions at the conference "Water research - a balancing act between meeting demands of the present and safeguarding the future", Kassel, Germany, June 2004 (Invited)

Jeppesen, E. Plenary lecture at the conference "Biomanipulation and lake restoration", Azores, February 2004 (Invited)

MacKenzie, Brian R. Fish production and climate: sprat in the Baltic Sea. Institute of Hydrobiology, University of Hamburg, Germany, May 25, 2004

MacKenzie, Brian R and Köster, Friedrich W. Incorporation of climate-ocean information in short- and medium term sprat predictions in the Baltic Sea. Conference on North Atlantic Climate Change and Fisheries, Bergen, Norway, May 2004.

MacKenzie, Brian R. and Myers, R. A. Rise and decline of bluefin tuna (*Thynnus thunnus*) fisheries in the northeast Atlantic during the 20th century. Intl. HMAP workshop, Aug. 11-13, Esbjerg, Denmark

Presentations at the SIL (Society of International Limnology) XXIX Congress, Lathi Finland, 8-14 Aug 2004:

- Bramm, M.E., Meerhoff, M., Jeppesen, E. Liboriussen, L., Landkildehus, F., Lauridsen, T.L. & Søndergaard, M.: Effects of simulated climate warming on zooplankton dynamics in experimental freshwater mesocosms. (Oral presentation)

- Liboriussen, L., Jeppesen, E., Landkildehus, F., Søndergaard, M., Christoffersen, K. & Richardson, K.: Climate warming: Design and performance of a long-term mesocosm experiment. (Oral presentation)
- Meerhoff, M., Lauridsen, T.L., Jeppesen, E., Bramm, M.E., Landkildehus, F. Liboriussen, L. & Søndergaard, M.: Effects of stimulated climate warming on submerged plants and invertebrates in outdoor mesocosms. (Oral presentation)
- Søndergaard, Ma.: Nutrient cycling in enclosures simulating climate changes. (Oral presentation)
- Søndergaard Mo.: Dissolved organic carbon (DOC) and its bioavailability in Lake Esrum, Denmark

Søndergaard, Mo. Konsekvenser af vejr og klimaforandringer for de ferske vande. Invited presentation at the IDA conference, November. Copenhagen.

2005

Andersen, H.E., Kronvang, B., Larsen, S.E. & Hoffmann, C.C.: Climate change - impacts on hydrology in a Danish lowland river basin. Poster presented at 10th International Symposium on the Interactions between Sediments and Water - IASWS2005, Bled, Slovenia, 28 August - 2 September 2005.

Amsinck, S.L., Jeppesen, E., Lauridsen, T.L. & Landkildehus, F.: Cladoceran distribution and community structure and their relationships to environmental variables in 30 Faroese lakes - Evidence from contemporary data and sediments. Shallow Lakes in a changing world, The 5th International Symposium on the ecology and management of Shallow Lakes , Dalfsen, The Netherlands, 5-9 June 2005.

Bjerring, R., Jeppesen, E., Amsinck, S.L., Odgaard, B., Moss, B., Becares, E., Gross, E., Hansson, L.-A., Kairesalo, T., Kornijów, R. & Nöges, T.: Change in Cladoceran community structure along a temperature gradient from northern Sweden to Spain, based subfossils. Poster presented at Shallow Lakes in a changing world, The 5th International Symposium on the ecology and management of Shallow Lakes , Dalfsen, The Netherlands, 5-9 June 2005.

Declerck, S., Vandekerckhove, J., Johansson, L.S., Muylaert, K., Conde-Porcuna, J.M., Van der Gucht, K., Pérez-Martínez, C., Lauridsen, T.L., Schwenk, K., Zwart, G., Jeppesen, E., Vyverman, W., Brendonck, L. & De Meester, L.: Community structure in multiple aquatic organism groups: patterns of concordance along gradients of water plant cover, total phosphorus and lake size . Shallow Lakes in a changing world, The 5th International Symposium on the ecology and management of Shallow Lakes, Dalfsen, The Netherlands, 5-9 June 2005.

Eero, Margit, MacKenzie, Brian R., Köster, Fritz W. Developing biomass estimates of the eastern Baltic cod population for the entire 20th century. Danish Marine Science Conference, Copenhagen, February 1-3, 2005.

Edelvang, K., Bundgård, K., Lumborg U., Ingvarnsen, S., Thodsen, H. og Pejrup, M. Suspenderet sedimenttransport i Grådybs tidevandsområde. Danish Marine Science Conference, Copenhagen, February 1-3, 2005.

Edelvang, K. Experiences on marine environmental planning in the Baltic. Coastman meeting on port development issues and coastal zone conflict resolutions. Klaipeda, 9-12 November 2005.

Erichsen, A. Linda Bredahl, Jacob V. T. Sørensen, Erik Rasmussen, Kristine Garde. Improved Phytoplankton Dynamics in the Baltic Sea Applying a 3 Algae Species Model. Baltic Sea Science Congress 2005, Sopot 2005

Fosalba, C., Bruzzone, C., Meerhoff, M., Mazzeo, N. & Jeppesen, E.: Influence of *Pistia stratiotes* and *Salvinia auriculata* in horizontal migration of *Daphnia obtusa*. Argentinean Congress of Limnology, Chascomús, Argentina, 30 October - 2 November 2005.

Garde, K. et al. Konsekvenser af temperaturøgning i vintermånederne for plankton produktionen. Danish Marine Science Conference, Copenhagen, February 1-3, 2005.

Jeppesen, E., Søndergaard, M., Jensen, J.P., Lauridsen, T.L., Hoyer, M.V., Bachmann, R.W. & Canfield, D.E.: Shallow lakes, global warming and restoration. Keynote lecture at Shallow Lakes in a changing world, The 5th International Symposium on the ecology and management of Shallow Lakes, Dalfsen, The Netherlands, 5-9 June 2005.

Johansson, L.S., Kauppila, T., Amsinck, S.L., Jeppesen, E. & Ventelä, A.-M.: Changes in eutrophicated Lake Pyhäjärvi, Finland, after restoration, elucidated by palaeolimnological studies, covering a 30-year period. Shallow Lakes in a changing world, The 5th International Symposium on the ecology and management of Shallow Lakes, Dalfsen, The Netherlands, 5-9 June 2005.

Johansson, L.S., Kauppila, T., Amsinck, S.L., Jeppesen, E., Sarvala, J. & Ventela, A.-M.: Recent changes in eutrophicated Lake Pyhäjärvi, Finland, before and during restoration as elucidated by palaeolimnological studies - preliminary results. Poster presented at Shallow Lakes in a changing world, The 5th International Symposium on the ecology and management of Shallow Lakes, Dalfsen, The Netherlands, 5-9 June 2005.

Karlsson, J. & M. Søndergaard: Fate and effects of terrestrial DOM in aquatic ecosystems. Special Session at ASLO summer meeting in Santiago de Compostella.

Lassen, M.F., Richardson, K., Buss, I., Damm, V., Flensborg, L. og Nielsen, M.S. Mesocosmos undersøgelser af klimaændringers effekt på vinterfytoplankton. Dansk Havforsker møde 2005, Københavns Universitet 1-3 Februar 2005.

Lassen, M.F., Nielsen, K.D., Richardson, K., Ayala, P., Petersen, S.V., Buss, I. og Mogensen, H. 2005. Effekten af små temperaturændringer på vinterfytoplanktonets produktion og fysiologi (Bergen). Dansk Havforsker møde 2005, Københavns Universitet 1-3 Februar 2005.

Lassen, M.F., Nielsen, K.D., Richardson, K. 2005. Ændringer i artsdiversitet som resultat af opvarmning af et vinterfytoplanktonsamfund. Præsentation ved Dansk Havforsker møde 2005, Københavns Universitet 1-3 February 2005

Lumborg, U., Rasmussen, E. K. and Edelvang, K.: Modelling fine-grained sediment dynamics under the influence of biological components. INTERCOH 2005, Saga, Japan. September 20–23, 2005

Lauridsen, T.L., Liboriussen, L., Landkildehus, F., Jeppesen, E. & Søndergaard, M.: Change in the seasonality of macrophyte growth and senescence: results from a pond experiment. EUROLIMPACS WP3 Seasonality Workshop, Silkeborg, Denmark, 4-6 April 2005.

Liboriussen, L., Jeppesen, E., Pedersen, A.R., Landkildehus, F. & Søndergaard, M.: Seasonal dynamics in sediment respiration and epipelton production from heated and unheated mesocosm. Shallow Lakes in a changing world, The 5th International Symposium on the ecology and management of Shallow Lakes, Dalfsen, The Netherlands, 5-9 June 2005.

Lumborg, U. Andersen T.J. and Pejrup, M. Numerisk modellering af effekten af mikrophytobenthos og *Hydrobia ulv ae* på erosion og aflejring af sediment på en intertidal vadeflade. Danish Marine Science Conference, Copenhagen, February 1-3, 2005.

Maar M, Visser AW, Nielsen TG, Stips A, Saito H. Distributions of *Oithona similis* and *Microsetella norwegica* under natural turbulence conditions. ASLO Summer meeting, Santiago Spain, June 19-24 2005.

MacKenzie, B. R. Anthropogenic impacts on the Baltic Sea: problems and solutions. Invited presentation at International Conference on Biodiversity Science and Governance, Paris, France, Jan. 24-28, 2005.

MacKenzie, Brian R. Climate variability, marine ecosystems and fish ecology: process-based perspectives to future events. University of Massachusetts Dartmouth, New Bedford, Massachusetts, USA, Feb. 10, 2005.

Meerhoff, M., Iglesias, C., Ballabio, R., Boccardi, L., Borthagaray, A., Clemente, J.M., Fosalba, C., Goyenola, G., Noordoven, W., Texeira de Mello, F. & Jeppesen, E.: Spatial distribution of zooplankton in shallow lakes along a nutrient gradient. Argentinean Congress of Limnology, Chascomús, Argentina, 30 October - 2 November 2005.

Meerhoff, M., Jeppesen, E., Liboriussen, L., Bramm, M.E., Landkildehus, F., Lauridsen, T.L. & Søndergaard, M.: Response of shallow lake communities to experimental climate warming. Poster presented at Shallow Lakes in a changing world, The 5th International Symposium on the ecology and management of Shallow Lakes, Dalfsen, The Netherlands, 5-9 June 2005.

Nielsen, Else and MacKenzie, Brian. The inner Danish waters as nursery areas for flatfish species as demonstrated from historical survey data (preliminary results). Danish Marine Science Conference, Copenhagen, February 1-3, 2005.

Poulsen, B. & MacKenzie, Brian R. Stock fluctuations of the North Sea herring, c. 1600 – 1850. Danish Marine Science Conference, Copenhagen, February 1-3, 2005.

Rasch, P.S. & A. C. Eriksen. Regionale klimaeffekter – erfaringer fra saltvandsindbruddet i 2003. Danish Marine Science Conference, Copenhagen, February 1-3, 2005.

Rasmussen, E.K., U. Lumborg & Flemming Gertz. Biologiske komponenters indflydelse på sigtdybden ved modelberegninger med Ringkøbing Fjord som eksempel. Danish Marine Science Conference, Copenhagen, February 1-3, 2005.

Rasmussen, E. K.; Lumborg, U.; Gertz, F.: Biologiske komponenters indflydelse på sigtdybden belyst ved modelberegninger med Ringkøbing Fjord som eksempel. Danish Marine Science Conference, Copenhagen, February 1-3, 2005.

Richardson, K. Svalbard June 2005. Global Change and the future of the ocean.

Schlüter, L. et al. Effekt af øget temperatur på algepopulationer bestemt ved pigmentanalyse og algetællinger. Hvor præcise er metoderne. Danish Marine Science Conference, Copenhagen, February 1-3, 2005.

Søndergaard, M., Jensen, J.P., Liboriussen, L. & Jeppesen, E.: Seasonality of nutrient retention in lakes: experimental results and analysis of Danish data. EUROLIMPACS WP3 Seasonality Workshop, Silkeborg, Denmark, 4-6 April 2005.

Søndergaard, M., Jeppesen, E., Jensen, J.P. & Amsinck, S.L.: Water Framework Directive in shallow Danish lakes: indicators, classification and ecological quality ratio. Shallow Lakes in a changing world, The 5th International Symposium on the ecology and management of Shallow Lakes, Dalfsen, The Netherlands, 5-9 June 2005.

Søndergaard, M. Autochthonous DOM: Production and decomposition in plankton communities. Invited lecture. IGB-Berlin. January (invited).

Søndergaard, M. Produktion og omsætning af DOC i lavvandede søer: Et klimaeksperiment. Ferskvandssymposium, AU. Januar.

Thodsen, H. et al. Effekt af afstrømningsændringer som følge af klima ændringer på salinitet of næringsstofforhold i Odense Fjord. Danish Marine Science Conference, Copenhagen, February 1-3, 2005.

Visser, A. W. Physical mechanism driving subsurface production in the central North Sea. Danish Marine Science Conference, Copenhagen, February 1-3, 2005.

2006

Amsinck, S.L.: Bestemmelse af referencetilstande i danske søer ved brug af palæoøkologiske metoder. Fagmøde for vandløb og søer, Scandic Hotel, Silkeborg, 27.-28. marts 2006.

Boll et al., 2006. Mulige effekter af et varmere klima og eutrofiering på tre danske

makroinvertebrater, *Cloeon inscriptum*, *Lymnaea peregra* og *L. stagnalis*. Abstract fra oplæg holdt af Thomas Boll Kristensen ved Ferskvandssymposium 2006. Aarhus Universitet.

Edelvang, K. Convenor in workshop on Water At the Climate Resilient Development Strategies. Meeting of climate experts and development practitioners, September 26, 2006 arranged by UNEP Risø Centre and the Danish Foreign Ministry. Venue: Eigtveds Pakhus, Asiatisk Plads 2 G, 1448 Copenhagen K, Denmark

Enghoff, I. B., MacKenzie, B. R. The Danish fish fauna during the warm Atlantic period (ca. 7,000-3,900 BC): forerunner of future changes? CONWOY conference on Vand og Vejr om 100 År, Roskilde, Denmark, Sept. 20-21, 2006 (poster presentation)

Erichsen, A., Flemming Møhlenberg, Peter S. Rasch, Brian Kronvang, Hans Thodsen & Annette Guldborg. HYPOXIA IN A REFERENCE AND CLIMATE CHANGE PERSPECTIVE. At the International Symposium on Research and Management of Eutrophication in Coastal Ecosystems took place 20-23 June 2006 in Nyborg, Denmark

Hansen, K.M., Kronvang, B. & Andersen, H.E.: Are there variations in the climate model's prognoses for Denmark? Poster præsenteret ved Vand og Vejr om 100 år. Effekter af vejr og klimaforandringer år 2100, Konference afholdt af det tværfagligt forskningsprojekt CONWOY, Roskilde, 19-20 september 2006.

Hansen, K.M., Kronvang, B. & Guldborg, A.: Hvordan bliver afstrømningen i mindre danske vandløb om 100 år? Poster præsenteret ved Vand og Vejr om 100 år. Effekter af vejr og klimaforandringer år 2100, Konference afholdt af det tværfagligt forskningsprojekt CONWOY, Roskilde, 19-20 september 2006.

Jeppesen, E.: Klimaforandringer og de danske søer. Vand og vejr om 100 år. Effekter af vejr og klimaforandringer på vandmiljøet år 2100, Konference afholdt af det tværfaglige forskningsprojekt CONWOY, Roskilde, 19-20, september 2006.

Jeppesen, E., Søndergaard, M., Lauridsen, T.L., Meerhoff, M. & Bayley, S.: Trophic dynamics in shallow lakes: the role of nitrogen, fish, water level and climate. ASLO Summer Meeting 2006, Global Challenges Facing Oceanography and Limnology, Victoria, Canada, June 4-9, 2006.

Jeppesen, E.: Plenary talk on climate change and lakes, ST. Cruz, Bolivia, October 2006

Jeppesen, E.: Speech on climate change and lakes, Utrecht University, the Netherlands, May 2006.

Jeppesen, E.: Moderator of the conference "Biodiversity at the ecosystem level – patterns and processes, Aarhus, Denmark, April 2006

Lassen, M.F., Nielsen, K.D. and Richardson, K. 2006. The effect of small temperature increases on a temperate winter phytoplankton community. ASLO conference Victoria, Canada, 5-9 June 2006.

Lassen, M.F., Nielsen, K.D. and Richardson, K. 2006. The effects of small temperature increases on a temperate winter phytoplankton community. Vand og Vejr om 100 år. Effekter af vejr og klimaforandringer år 2100, Konference afholdt af det tværfagligt forskningsprojekt CONWOY, Roskilde, 19-20 september 2006.

Lauridsen, T.L., Pedersen, A.R., Liboriussen, L., Jeppesen, E. & Landkildehus, F.: Effekter af et varmere klima på et plantesamfund bestående af Kruget vandaks (*Potamogeton crispus*) og Vandpest (*Elodea canadensis*). Resultater fra et to-årigt mesokosmos forsøg samt supplerende korttidsforsøg. Poster præsenteret ved Ferskvandssymposium, Aarhus Universitet, 18.-19. januar 2006.

Liboriussen, L.: Eksperimentelle lavvandede søer. Vand og vejr om 100 år. Effekter af vejr- og klimaforandringer på vandmiljøet år 2100, Konference afholdt af det tværfaglige forskningsprojekt CONWOY, Roskilde, 19-20 september 2006.

Malcolm, S. CEFAS, UK and Edelvang, K., DHI. Convenors in workshop: Interactions between climate change and eutrophication. At the International Symposium on Research and Management of Eutrophication in Coastal Ecosystems took place 20-23 June 2006 in Nyborg, Denmark.

MacKenzie, B. R. Climate change and marine fish. 2006. CONWOY conference on Vand og Vejr om 100 År, Roskilde, Denmark, Sept. 20-21, 2006 (oral presentation)

MacKenzie, B. R., Köster, F. W. 2006. Torsken og klimaforandringer. CONWOY conference on Vand og Vejr om 100 År, Roskilde, Denmark, Sept. 20-21, 2006 (poster presentation)

Mazzeo, N., Meerhoff, M., Rodríguez-Gallego, L., Quintans, F., Kruk, C., Scasso, F., Lacerot, G., Paggi, J. & Scheffer, M.: Alternative states in 18 subtropical shallow lakes: role of bottom-up and top-down controls. ASLO Summer Meeting 2006, Global Challenges Facing Oceanography and Limnology, Victoria, Canada, June 4-9, 2006.

Meerhoff, M., Jeppesen, E., Clemente, J.M., Teixeira de Mello, F., Jensen, E., Iglesias, C., Tunali, Y.S., Ballabio, R. & Stefanidis, K.: Trophic dynamics in temperate and subtropical shallow lakes: differential role of free-floating and submerged plants. ASLO Summer Meeting 2006, Global Challenges Facing Oceanography and Limnology,

Ojala, A. K., T. K. Tulonen & M. Søndergaard: Decomposition of emergent littoral macrophytes exposed to growth in elevated CO₂. (Poster).

Overgård, C., MacKenzie, B. R. 2006. Dutch North Sea cod fishing in the early 1800s and the potential for climate influences. CONWOY conference on Vand og Vejr om 100 År, Roskilde, Denmark, Sept. 20-21, 2006 (poster presentation)

Poulsen, B. 2006. Fiskeri i historisk og klimatisk belysning. CONWOY conference on Vand og Vejr om 100 År, Roskilde, Denmark, Sept. 20-21, 2006 (oral presentation).

Richardson, K., AAAS meeting St. Louis USA Feb. 2006 Session on Global Change. Acidification of the Ocean .

Richardson, K. Acidification of the Ocean.AAAS Møde St. Louis USA Feb. 2006 Session on Global Change.

Søndergaard, M.: Lake restauration in Denmark. Restauration of Lake Fure, A nutrient-Rich Lake near Copenhagen arranged by County of Frederiksborg, Hillerød, Denmark, 22-23 May 2006.

Søndergaard, M.: Lakes in Denmark: quality, management and restoration. International Seminar on Water Quality Conservation of Reservoirs, Tokyo, Japan, 24-26 April, 2006.

Søndergaard, M. & E. Jeppesen. Organising a Topical Session at ASLO summer meeting (June), Victoria, Canada: Experimental and theoretical approaches to climate change.

Søndergaard, M. Climate change and autochthonous DOC production in experimental freshwater ponds. ASLO summer meeting (June), Victoria, Canada (oral).

Thodsen, H. , Andersen, T.J., Pejrup, M., Hasholt, B., Edelvang, K., Lumborg, U., Erichsen, A., Lundkvist, M., Kronvang, B. og Hansen, K.M. ODENSE Å CATCHMENTMODELLING OF CLIMATE CHANGE EFFECTS. NORDIC WATER 2006. The XXIV Nordic Hydrological Conference: Experiences and Challenges in Implementation of the EU Water Framework Directive. Vingsted Centret, Denmark, 6 - 9 August 2006

Visser AW. Encounter rates in the plankton; motility, turbulence and sensory ability. GLOBEC Workshop on Zooplankton Modelling. Marseille, France, May 2006.

Visser AW. Encounter rates in the plankton; motility, turbulence and sensory ability. Microbial Ecology Workshop. Mathematical Biosciences Institute, University of Ohio, USA. May 2006.

Organising meetings, courses, teaching etc.

2003

Contribution to a PhD course under the research schools COGCI and SOAS from the 24-28 October 2003 at Mønsted with the title: Effects of changes in climate on arctic, sub-arctic and temperate freshwaters.

2004

Bøssing Christensen, O., Kirsten Christoffersen, Erik Jeppesen, Brian Kronvang & Katherine Richardson all gave lectures at the COGCI-SOAS Ph.D. course at Brorfelde.

Christoffersen, Kirsten, Katherine Richardson & Morten Søndergaard have together with Torkel Gissel Nielsen organised the 5 ECTS Ph.D. course "Aquatic Ecology and

Climate Change" for the COGCI, SOAS and SLIP Ph.D.-schools. The course attracted 18 students. April 26-30 2004, Brorfelde. Supported by the participation of researchers from NERI, DFU, AU, KU and DHI.

Holm, P. "First History of Marine Animal Populations Model workshop", afholdt på SDU 20-23. april med 19 deltagere fra 6 lande. Workshoppen opnåede støtte som training course af MarBEF- EU network of Excellence.

Holm, P. "Environmental History and the Oceans", indbudt konference på Carlsberg Akademiet 2-5. juni, arrangeret af CMRS og German Historical Institute, Washington DC. Forventes publiceret i bogform slutningen af 2005.

Lumborg, U. and Pejrup, M.: Modelling the sediment transport in a Danish tidal lagoon – an annual budget. Tidalites 2004, University of Copenhagen, Denmark. August 2–5, 2004

MacKenzie, B. R., Lorance, P. Workshop on European fish biodiversity. Brest, France, June 14-16, 2004. Workshop resulted in a successful project proposal with 16 European institutes to the EU Network of Excellence MARBEF (www.marbef.org).

MacKenzie, B.: Lecture given to Fishery Biology class (University of Copenhagen) on Environmental Influences on Fish Recruitment, Feb. 2004.

MacKenzie, B.: Lectures on environmental effects on Baltic fish populations given in Copenhagen Global Change Initiative (COGCI) course on Aquatic Ecology and Climate Change, April 2004.

Rasch, P.: Using regional and local scale models of circulation and eutrophication for assessing climatic changes. Ph.D.-course spring 2004 in Copenhagen and Brorfelde: Aquatic ecology and climate change.

MacKenzie, B. R., Lorance, P. Workshop on European fish biodiversity. Brest, France, June 14-16, 2004. Workshop resulted in a successful project proposal with 16 European institutes to the EU Network of Excellence MARBEF (www.marbef.org).

2005

Edelvang, K., Erichsen, A., Garde, K, Lumborg, U. Workshop om klimaændringers betydning for det danske havmiljø. 29 september 2005 på DHI Institut for Vand og Miljø. Deltagerantallet var 40 fra danske rådgivere, Miljøstyrelsen, Skov og Naturstyrelsen, WWF, amter, kommuner og universiteter samt private virksomheder

Andre W. Visser. Modeling marine populations from physics to evolution. Nordic Marine Academy, Bergen, October 2005.

2006

MacKenzie, B. R. Climate change, fish and food webs. Three lectures during NATO-EurOceans Summer Course on Climate Change Impacts on Marine Ecosystems, Ankara, Turkey, Aug. 14-24, 2006

Andre W. Visser. Physics on the scale of plankton. Université de Rennes, France, January 2006.

Søndergaard, M. og flere: Final CONWOY Conference: Vand og Vejr om 100 år. 19.-20. september, Comwell Roskilde.

Uddannelse

B. Sc.

Kristine Boas, Geografisk Institut og DHI: Bacheloropgave om Odense Fjord

M. Sc.

Niels Lagergaard Pedersen. ”Iltomsætning af organisk stof som funktion af temperatur og stofsammensætning i vandløb med eller uden indskudte søer”. Juni 2004, KU.

Jacobsen, Bo S. The influence of climate variability on the migration of two pelagic fish species, garfish (*Belone belone* Linne 1761) and Atlantic mackerel (*Scomber scombrus* Linne 1758) in Danish waters. University of Århus/DIFRES.

Christian Lønborg 2006. Biotilgængelighed af opløst organisk kulstof (DOC) og kvælstof (DON) på to danske kyststationer. Februar 2006. KU.

Kristensen, T.B., 2006. Effekter af forøget temperatur og eutrofiering på tre arter af danske ferskvandsmakroinvertebrater, *Cloeon inscriptum*, *Lymnaea peregra* og *L. stagnalis*. Specialrapport, Danmarks Miljøundersøgelser og Århus Universitet, april 2006

Ph.D.

Poulsen, Bo. Historical exploitation of North Sea herring stocks – an environmental history of the Dutch herring fisheries c. 1600-1860. University of Southern Denmark/DIFRES.

Hans Todsén: Modelling discharge and transport of suspended sediment, wash load and nutrients in rivers and estuaries. (GI and DHI)

Rikke Closter: Stratification and oxygen in Danish lakes in a changing climate (ultimo 2006, KU, DMI and DHI)

Mariana Meerhof 2006. The structuring role of macrophytes on trophic dynamics in shallow lakes under a climate-warming scenario (november 2006, DMU and AU).

Majbritt Lassen: Climate change and the physiology of marine phytoplankton (primo 2008, AU and KU)