



Project no. 022717 (SSP 8)

## **UNCOVER**

### **UNderstanding the Mechanisms of Stock ReCOVERy**

SIXTH FRAMEWORK PROGRAMME

PRIORITY TP 8.1

Integrating and Strengthening the European Research Area – Scientific Support to Policies  
SPECIFIC TARGETED RESEARCH OR INNOVATION PROJECT

### **Final Plan for using and disseminating the knowledge**

Period covered: 01.03.2006 – 28.02.2010

Date of preparation: 12.03.2010

Start date of project: 01.03.2006

Duration: 4 years

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Last update: April 28<sup>th</sup> 2010

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## Peer-reviewed publications

- Allain, G., Petitgas, P., Lazure, P. and Grellier, P. 2007. Biophysical modelling of larval drift, growth and survival for the prediction of anchovy recruitment in the Bay of Biscay (NE Atlantic). *Fisheries Oceanography* 16:489–505.
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## Oral presentations, conference papers, posters & public press

- Andersen K.H. and Brander K. (2009) Expected rate of fisheries-induced evolution is slow. ICES/PICES/EU/UNCOVER Symposium on Rebuilding Depleted Fish Stocks, Warnemünde, Germany, 3-6 November 2009. (Poster)
- Andersen, K.H. and Rice, J. (2009) Indirect effects of recovery strategies. ICES/PICES/EU/UNCOVER Symposium on Rebuilding Depleted Fish Stocks, Warnemünde, Germany, 3-6 November 2009. (oral presentation)
- Andonegi, E., Quincozes, I., Howell, D. and Stefansson, G. (2009) A multi-species model in the Bay of Biscay using Gadget: implementing European hake and anchovy relationships. ICES/PICES/EU/UNCOVER Symposium on Rebuilding Depleted Fish Stocks, Warnemünde, Germany, 3-6 November 2009. (oral presentation)
- Bastardie, F., Vinther, M., Nielsen, J.R., Ulrich, C. and Storr Paulsen, M. (2009) Evaluation of the multiannual plan for the cod stocks in the Baltic Sea. ICES/PICES/EU/UNCOVER Symposium on Rebuilding Depleted Fish Stocks, Warnemünde, Germany, 3-6 November 2009. (oral presentation)
- Brunel, T. (2009) Influence on the age composition of the spawning stock on recruitment: a meta-analysis. ICES/PICES/EU/UNCOVER Symposium on Rebuilding Depleted Fish Stocks, Warnemünde, Germany, 3-6 November 2009. (oral presentation)
- Cerviño, S., Howell, D., Velasco, F., Preciado, I., Olaso, I., Punzón, A., Jardim, E. and Cardador, F. (2009) Assessing the importance of cannibalism for recovery plan in Southern hake using age-length structured model. ICES/PICES/EU/UNCOVER Symposium on Rebuilding Depleted Fish Stocks, Warnemünde, Germany, 3-6 November 2009. (oral presentation)
- Daewel, U., Peck, M.A., St. John, M.A. and Schrum, C. (2007) Comparing habitat suitability for sprat (*Sprattus sprattus*) and cod (*Gadus morhua*) in the North Sea: first results of a modelling study. ICES CM/G:19, 17-21-Sept., 2007, Helsinki, Finland.
- Dankel, D.J., Heino, M. and Dieckmann, U. (2009) Can integrated assessments reconcile stakeholder conflicts of interest in marine fisheries management? ICES/PICES/EU/UNCOVER Symposium on Rebuilding Depleted Fish Stocks, Warnemünde, Germany, 3-6 November 2009. (oral presentation)
- Da-Rocha, J.-M., Cerviño, S., Fernandez, C. and Gutierrez, M. J. (2009) The Economic Assessment of the Southern hake recovery plan. ICES/PICES/EU/UNCOVER Symposium on Rebuilding Depleted Fish Stocks, Warnemünde, Germany, 3-6 November 2009. (oral presentation)
- Delaney, A.E. (2009) CPF Reform, vulnerability, and resilience in Fishing Communities in The Role of Small scale fisheries in sustaining fishing communities. In: Workshop on Common Fisheries Policy Reform in the European Union and Small Scale Fisheries: Paving the Way to Sustainable livelihoods and thriving fishing communities. Brussels, Belgium, 28 September 2009. (Invited Speaker)
- Delaney, A.E. (2009) Who would have thought it would come to this? Social impact assessments and community sustainability in North Sea fishing communities. ICES/PICES/EU/UNCOVER Symposium on Rebuilding Depleted Fish Stocks, Warnemünde, Germany, 3-6 November 2009. (oral presentation)
- Delaney, A.E. (2009) Ye kin nae say no: Social Connectedness, Community Sustainability and Resource Rights in Fishing Communities. European Society for Rural Sociology: WG 5.7 Sustainable Fishing Communities: Transformations, Contradictions, and the Challenges for Governance. Vaasa, Finland. 18 August 2009.
- Delaney, Alyne E. (2007) "Community Level Impacts of Stock Recovery under the Common Fisheries Policy". In the panel, The Management of Complex Commons, European Society for Ecological Economics, Leipzig, Germany, June 5-8, 2007.
- Delaney, Alyne E. (2007) "Threats and Benefits to Cultural Services under European Fisheries Management Recovery Plans". In the panel, Valuing Biodiversity in European Coastal Communities. People and the Sea IV, Center for Maritime Research (MARE). July 4-7, 2007 Innovations in Maritime Research, Amsterdam, the Netherlands.
- Delaney, Alyne E. (2008) "Sea Clearances: Social Impacts of the Common Fisheries Policy on Scottish Fishing Communities. Stirling University, Stirling, Scotland, 14 March, 2008.



- Delaney, Alyne E. (2008) Invited Speaker: The social impacts of fisheries policies on coastal communities. *Managing Change in Coastal Communities*. North Sea Women's Network, Scottish Government, and North Sea Commission funded symposium. 13-14 May 2008, Edinburgh, Scotland, UK.
- Delaney, Alyne E. (2008) *North Sea Fishing Communities: Understanding resource rights and the social impacts of the Cod Recovery Plan*. International Association for the Study of the Commons, Cheltenham, England, July 2008.
- Dickey-Collas, M., Nash, R.D.M., Brunel, T., van Damme, C.J.G., Marshall, C.T., Payne, M.R., Corten, A., Geffen, A.J., Peck, M.A., Hatfield, E.M.C, Hintzen, N., Enberg, K., Kell, L. and Simmonds, J. (2009) What can we learn from the stock collapse and recovery of North Sea herring? A review. ICES/PICES/EU/UNCOVER Symposium on Rebuilding Depleted Fish Stocks, Warnemünde, Germany, 3-6 November 2009. (oral presentation)
- Dingsør, G.E., Huse, G. and Llope, M. (2009) Spatial distribution and population dynamics of herring and cod in the North Sea. ICES/PICES/EU/UNCOVER Symposium on Rebuilding Depleted Fish Stocks, Warnemünde, Germany, 3-6 November 2009. (oral presentation)
- Dolgov, A.V. (2007) Trophic structure of the Barents Sea fish community with the special reference to the cod stock recovery ability. ICES CM 2007/D:08. 17 pp. (oral presentation)
- Dolgov, A.V. (2009) Influence of intraspecific and interspecific food competition on ability of the Barents Sea cod stock to recover. ICES/PICES/EU/UNCOVER Symposium on Rebuilding Depleted Fish Stocks, Warnemünde, Germany, 3-6 November 2009. (oral presentation)
- Dorrien, C. von (2006) "Das EU-Projekt UNCOVER. Deutsche Wissenschaftliche Kommission (DWK), Rostock, 21.6.2006 Dorrien, C. von (2006): Understanding the Mechanisms of Stock Recovery: EU Project UNCOVER will develop recovery strategies. ICES Annual Science Conference, Maastricht, 17. – 22.9.2006. (oral presentation)
- Dorrien, C. von (2006) The EU-Project UNCOVER. School of Biological Sciences, University of Aberdeen, 26.9.2006. (oral presentation)
- Dorrien, C. von (2007) EU-Project UNCOVER: State of the art and perspectives of recovery for the Baltic Sea. BALTIC FISHERIES DIALOGUE: A Dialogue Workshop on Solutions for the Western Baltic Sea, IOR, Rostock, 20.-21. Juni 2007. (oral presentation)
- Dorrien, C. von (2007) How to define recovery strategies that work? PROFET Policy: EU FP5/FP6 Baltic Fisheries Research Results Workshop, Vilnius, Lithuania, 19-20 April 2007. (oral presentation)
- Eero, M. (2006) Atlantic Cod Recruitment: A Comparative Approach. 24th Lowell Wakefield Fisheries Symposium, Anchorage, Alaska, USA, Oct. 31–Nov. 3, 2006
- Eero, M., Jarre, A., Ojaveer, H., Tomczak, M.T., Lindegren, M. and Köster, F.W. (2009) An ecosystem-based framework for tracking performance of fish stocks and related forcings using fuzzy-logic approach. ICES/PICES/EU/UNCOVER Symposium on Rebuilding Depleted Fish Stocks, Warnemünde, Germany, 3-6 November 2009. (oral presentation)
- Eero, M., MacKenzie, B.R., Karasiova, E. and Köster, F.W. (2006) Fluctuations in eastern Baltic cod and sprat stocks in the 20th century in relation to environmental variability and trophic interactions. Alaska SeaGrant Symposium "Resiliency of Gadid stocks to fishing and climate change" Anchorage, Alaska, USA Oct. 31–Nov. 3, 2006
- Eero, M., MacKenzie, B.R., Köster, F.W. and Karasiova, E. (2007) Relative fluctuations in eastern Baltic cod stock in the first half of the 20th century in relation to environmental variability and trophic interactions. MarFISH workshop "Long term spatial impact of natural variability and human induced changes in marine ecosystems" Roskilde, Denmark, February 2007
- Enberg, K., Dunlop, E.S., Heino, M., Dieckmann, U. (2006) Ecological and evolutionary recovery of exploited fish stocks. ICES CM 2006 H: 18. (oral presentation)
- Enberg, K., Dunlop, E.S., Heino, M., Dieckmann, U. (2006) Ecological and evolutionary dimensions of stock recovery. The Sixth William R. and Lenore Mote International Symposium in Fisheries Ecology: Life History in Fisheries Ecology & Management. Sarasota, Florida, USA, 14.-16.11. 2006 (oral presentation)

- Enberg, K., Dunlop, E.S., Heino, M., Dieckmann, U. (2007) Do fisheries-induced life-history changes influence stock recovery? Ecosystem Dynamics in the Norwegian Sea and Barents Sea. Tromsø, Norway, 12.-15.3. 2007. (oral presentation)
- Enberg, K., Dunlop, E.S., Heino, M., Dieckmann, U. (2007) How do harvest-induced life-history changes influence population renewal processes? 11th Congress of the European Society for Evolutionary Biology, Uppsala, Sweden, 20-25 August 2007. (poster presentation)
- Enberg, K.S., Jørgensen, C., Dunlop, E.S., Heino, M. and Dieckmann, U. (2009) Implications of fisheries-induced evolution for stock rebuilding and recovery. ICES/PICES/EU/UNCOVER Symposium on Rebuilding Depleted Fish Stocks, Warnemünde, Germany, 3-6 November 2009. (oral presentation)
- Fernandes, J.A., Irigoien, X., Goikoetxea, N., Lozano, J.A. Inza, I. and Perez, A. (2009) Robust approaches to machine learning techniques for recruitment prediction in fisheries. ICES/PICES/EU/UNCOVER Symposium on Rebuilding Depleted Fish Stocks, Warnemünde, Germany, 3-6 November 2009. (Poster)
- Filin, A. (2009) Simulation of capelin impact on cod stock recovery rate in the Barents Sea. ICES/PICES/EU/UNCOVER Symposium on Rebuilding Depleted Fish Stocks, Warnemünde, Germany, 3-6 November 2009. (oral presentation)
- Garcia, D. and Prelezo, R. (2009) Fleet reaction to management advice, a key process for success of management plans. ICES/PICES/EU/UNCOVER Symposium on Rebuilding Depleted Fish Stocks, Warnemünde, Germany, 3-6 November 2009. (oral presentation)
- Gårdmark, A., Möllmann, C., Neuenfeldt, S., Blenckner, T., Lindegren, M., Aro, E., Bastardie, F., Heikinheimo, O., Müller-Karulis, B., Niiranen, S., Tomczak, M.A., van Leeuwen, A. and Wikström, A. (2009) Biological Ensemble Modeling of the Eastern Baltic cod future. ICES/PICES/EU/UNCOVER Symposium on Rebuilding Depleted Fish Stocks, Warnemünde, Germany, 3-6 November 2009. (oral presentation)
- Grygiel, W. and Orłowski, A. (2009) The clupeoid stocks size and distribution in the southern and eastern Baltic (autumn 2005-2007), determined by the acoustic method. ICES/PICES/EU/UNCOVER Symposium on Rebuilding Depleted Fish Stocks, Warnemünde, Germany, 3-6 November 2009. (Poster)
- Hammer, C. and Dähnhardt, A. (2009) Mechanismen der Erholung übernutzter Fischbestände. Wissensmeer, Ausgabe 13/April 2009. In German. (public press)
- Hammer, C. and Dähnhardt, A. (2009) UNCOVERing what we already know: The Mechanisms of Fish Stock Recovery. ICES Insight, Issue No. 46/September 2009. (public press)
- Hammer, C., von Dorrien, C., Hopkins, C.C.E., Köster, F.W., Neuenfeldt, S., St. John, M. A. and Wilson, D.C. (2009) UNCOVER: Fish Stock Recovery Strategies – Lessons learned in the Baltic Sea. ICES/PICES/EU/UNCOVER Symposium on Rebuilding Depleted Fish Stocks, Warnemünde, Germany, 3-6 November 2009. (oral presentation)
- Hammer, C.; Dorrien, C. von (2006): Understanding the mechanisms of stock recovery – EU Project UNCOVER will develop recovery strategies. ICES Annual Science Conference, Maastricht, The Netherlands, 17. – 26.9. 2006, ICES Council Meeting Paper R 01: 11 pp.
- Haslob, H., Tomkiewicz, J., Hinrichsen, H-H. and Kraus, G. (2009) Spatial and temporal variation in Baltic sprat (*Sprattus sprattus balticus* S.) batch fecundity. ICES/PICES/EU/UNCOVER Symposium on Rebuilding Depleted Fish Stocks, Warnemünde, Germany, 3-6 November 2009. (Poster)
- Hinrichsen, H.H. (2007) Coupled processes between physics and biology, ECONORTH-Symposium, Tromsø, Norway, 14.03.2007. (invited talk)
- Hinrichsen, H.H. (2007) Identification of Eastern Baltic cod nursery grounds: a hydrodynamic modeling approach, NAFO-Symposium on Reproductive and Recruitment Processes on Exploited Marine Fish Stocks, Lisbon, Portugal, 02.10.2007.
- Hinrichsen, H.H. (2007) Longterm variability of Baltic Sea winter water mass formation and the impact on secondary and tertiary production, Baltic Sea Science Conference, Rostock, Germany, 21.03.2007.

- Hinrichsen, H.H. (2007) Spatial and temporal variability of Baltic larval sprat otolith growth: a modeling study combining abiotic and biotic environmental variables, Larval Fish Conference, St.Johns, Canada, 09.07.2007.
- Hinrichsen, H.H., Dickey-Collas, M., Huret, M., Peck, M.A. and Vikebø, F. (2009) Evaluating the suitability of coupled bio-physical models for the development of recovery plans of collapsed fish populations. ICES/PICES/EU/UNCOVER Symposium on Rebuilding Depleted Fish Stocks, Warnemünde, Germany, 3-6 November 2009. (oral presentation)
- Hinrichsen, H.-H., Huwer, B, Schaber, M., Kraus, G. (2008) Marine protected areas as a fishery management tool for eastern Baltic cod: coupling of observational data with hydrodynamic model simulations. ICES Annual Science Conference, Halifax, 24. September 2008.
- Hinrichsen, H.-H., Kraus, G. (2008) Settlement probability of juvenile cod and the identification of nursery grounds in the eastern Baltic: a hydrodynamic modelling approach. Annual Larval Fish Conference, Kiel, 6. August 2008.
- Howell, D. and Bogstad, B. (2009) A multispecies Gadget model as an operating model for the Barents sea model description and hindcast results. ICES/PICES/EU/UNCOVER Symposium on Rebuilding Depleted Fish Stocks, Warnemünde, Germany, 3-6 November 2009. (Poster)
- Howell, D. and Bogstad, B. (2009) Assessing the likely consequences of differing management rules and environmental factors in the Barents Sea using a multispecies Gadget operational model. ICES/PICES/EU/UNCOVER Symposium on Rebuilding Depleted Fish Stocks, Warnemünde, Germany, 3-6 November 2009. (oral presentation)
- Howell, D., Filin, A., Bogstad, B., Oganin, I. and Stiansen, J.E. (2009) Uncertainty due to fisheries model formulation; a comparison of Gadget and STOCOBAR models for Northeast Arctic cod. ICES/PICES/EU/UNCOVER Symposium on Rebuilding Depleted Fish Stocks, Warnemünde, Germany, 3-6 November 2009. (Poster)
- Huret, M., Petitgas, P., Grellier, P. and Bourriau, P. (2009) The space-time variability of anchovy larval survival in the Bay of Biscay using a biophysical model. ICES/PICES/EU/UNCOVER Symposium on Rebuilding Depleted Fish Stocks, Warnemünde, Germany, 3-6 November 2009. (oral presentation)
- Huse, G. and Ellingsen, I. (2007) Capelin migrations and climate change - a modelling analysis, Poster årsmøte i Norske Havforskere Forening, Bergen 24-26 Oktober, 2007
- Huse, G. and Ellingsen, I. (2009) Caplin migrations and climate change – a modeling analysis. Arctic frontiers 2009. Tromsø. 21-23 January 2009.
- Huse, G., Fernø, A. and Holst, J.C. (2006) Numerical domination and herring migrations ICES Annual Science Conference, Maastricht, The Netherlands.
- Huse, G., Fernø, A. and Holst, J.C. (2009) Establishment of new wintering areas in NSS herring co-occur with peaks in recruit to spawner ratio. ICES ASC. Berlin. 21-25 September.
- Huse, G., Salthaug, A. and Skogen, M.D. (2006) Is Norway pout recruitment affected by herring predation? WKAMF workshop, Nantes, France.
- Huwer, B., Hinrichsen, H.-H., Böttcher, U., Köster, F.W. (2008) Coupling otolith microstructure and hydrodynamic modelling to investigate the early life history of Baltic cod. EUROCEANS Final Conference, Rom, Italy.
- Janke, N., J. Støttrup, M.A. Peck. The effects of salinity and day length on the growth and survival of Baltic cod (*Gadus morhua*) larvae in the laboratory. Poster Presentation 31st Larval Fish Conference, St.Johns, Newfoundland, Canada 10-13 July 2007
- Järvik, A., Raid, T., Järv, L. and Sadul, J.-V. (2009) The social aspects of overexploitation of fish resources on small-scale fishery: ways of mitigation the effects on coastal communities. ICES/PICES/EU/UNCOVER Symposium on Rebuilding Depleted Fish Stocks, Warnemünde, Germany, 3-6 November 2009. (oral presentation)
- Karasiova E, Voss R, Eero M (2008) Long-term dynamics in eastern Baltic cod spawning time: from small scale reversible changes to a recent drastic shift. ICES CM 2008/J:03. (Poster)
- Kempf, A., Huse, G., Dingsør, G., Floeter, J., Temming, A. and Vinther, M. (2009) The importance of overlap – predicting North Sea cod recovery with a multi- species fisheries assessment model.

- ICES/PICES/EU/UNCOVER Symposium on Rebuilding Depleted Fish Stocks, Warnemünde, Germany, 3-6 November 2009. (oral presentation)
- Kraus, G. et al. (2007) Egg production methods to estimate the stock size of Eastern Baltic cod (*Gadus morhua*). PICES/ICES/NAFO Symposium on Reproductive and Recruitment Processes in Exploited Marine Fish Stocks. Lisbon, Portugal, 03.10.2007.
- Kraus, G. et al. (2007) Temporal and spatial distribution of spawning Baltic cod: Implications for fisheries closures. ICES European Symposium on Marine Protected Areas as a Tool for Fisheries Management and Ecosystem Conservation - emerging Science and Interdisciplinary Approaches. Murcia, Spain, 26.09.2007.
- Kraus, G., Karasiova, E. M., Voss, R., Köster, F. W., Bleil, M. and Oeberst, R. (2009) Egg production methods as a fishery independent alternative to assess the Eastern Baltic cod stock. ICES/PICES/EU/UNCOVER Symposium on Rebuilding Depleted Fish Stocks, Warnemünde, Germany, 3-6 November 2009. (oral presentation)
- Kruse, G.H., Zheng, J. and Stram, D.L. (2009) Recovery of the Bristol Bay Stock of Red King Crabs under a Rebuilding Plan. ICES/PICES/EU/UNCOVER Symposium on Rebuilding Depleted Fish Stocks, Warnemünde, Germany, 3-6 November 2009. (oral presentation)
- Krysov, A. (2009) Reproductive capacity of the Norwegian spring spawning herring in the period of global stock change. ICES/PICES/EU/UNCOVER Symposium on Rebuilding Depleted Fish Stocks, Warnemünde, Germany, 3-6 November 2009. (oral presentation)
- Lehuta S., Mahévas, S., Vermard, Y., Le Floc'h, P., Daures, F. and Marchal, P. (2009) Fishery-based indicators of management impact : assessing relevance and robustness using a bio-economic simulation model. ICES CM 2009/O:33. (oral presentation)
- Lehuta, S., Mahévas, S., Petitgas, P. and Pelletier, D. (2007) Investigating the impact of MPA on the Bay of Biscay Anchovy fishery. European Symposium on Marine Protected Areas as a Tool for Fisheries Management and Ecosystem Conservation, Murcia, 25-28 September. (oral presentation).
- Lehuta, S., Mahévas, S., Petitgas, P., Vermard, Y., Huret, M. and Le Floc'h, P. (2009) Modelling the spatial dynamics of the Anchovy fishery in the Bay of Biscay with the simulation model ISIS-Fish : integration of information, calibration and validation. ICES/PICES/EU/UNCOVER Symposium on Rebuilding Depleted Fish Stocks, Warnemünde, Germany, 3-6 November 2009. (Poster)
- Lindgren, M. Möllmann, C., Nielsen, A., Brander, K. and MacKenzie, B.R. (2009) Ecological forecasting under climate change – the case of Baltic cod. ICES Annual Science conference, Berlin, Germany, 21.-25.09.2009. ICES CM 2009/C:01. (Poster)
- MacKenzie, B.R. (2007) Fisheries oceanography meets fisheries conservation – opportunities for success. Invited presentation at the ICES-NAFO-PICES Symposium on Reproductive and Recruitment Processes in Exploited Marine Fish Stocks, 1-3 October 2007, Lisbon, Portugal.
- MacKenzie, B.R. (2009) Climate impact on fish stock dynamics. IDA Conference on Linking Science and Management in the Baltic Sea Ecoregion. Copenhagen, Denmark, 9.9.2009.
- MacKenzie, B.R., Horbowy, J. and Köster, F.W. (2008) Incorporating environmental variability in stock assessment - predicting recruitment, spawner biomass and landings of sprat in the Baltic. ICES Workshop on the integration of environmental information into fisheries management strategies and advice (WKEFA), Copenhagen, Denmark, June 2007.
- MacKenzie, B.R., Horbowy, J. and Köster, F.W. (2008) Incorporating environmental variability in stock assessment - predicting recruitment, spawner biomass and landings of sprat in the Baltic. ICES Annual Science Conference, Helsinki, Finland, September 2007.
- MacKenzie, B.R., Horbowy, J. and Köster, F.W. (2008) Incorporating environmental variability in stock assessment - predicting recruitment, spawner biomass and landings of sprat in the Baltic. Invited presentation. Canada Department of Fisheries and Oceans, Institut Maurice Lamontagne, Mont-Joli, Quebec, January 11, 2008.
- Mahévas, S. and Pelletier, D. (2007) Elaborating reliable quantitative diagnostics of the impact of Marine Protected Areas on fisheries using ISIS-Fish. European Symposium on Marine Protected Areas as a Tool for Fisheries Management and Ecosystem Conservation, Murcia, 25-28 September.

- Mahévas, S., Lehuta, S., Monod, H. and Vermard, Y. (2008) Running simulation designs to assess the sensitivity of management measures to fishermen reactions. ICES annual science conference ICES-CM 2008/O:10, Halifax, Canada.
- Mahévas, S., Lehuta, S., Vermard, Y. and Monod, H. (2009) Assessing the robustness of management measures to fishermen reactions within uncertainty context. ICES/PICES/EU/UNCOVER Symposium on Rebuilding Depleted Fish Stocks, Warnemünde, Germany, 3-6 November 2009. (Poster)
- Mantzouni, I. and MacKenzie, B.R. (2008) Hierarchical modeling of temperature and habitat effects on carrying capacity and maximum reproductive rate of North Atlantic cod in the Baltic Sea, Gulf of St. Lawrence and throughout the North Atlantic. ICES CM 2008/J:07. (Poster)
- Mantzouni, I. and MacKenzie, B.R. (2009) Productivity patterns and abundance-area relationships in 3 marine fish species (cod, herring and haddock): Meta-analyses on the effects of temperature, life-history and habitat size across the N Atlantic. ICES/PICES/EU/UNCOVER Symposium on Rebuilding Depleted Fish Stocks, Warnemünde, Germany, 3-6 November 2009. (oral presentation)
- Mantzouni, I. and MacKenzie, B.R. (2009) Why is haddock overtaking cod? Comparing the effects of temperature and habitat size on recruitment dynamics of both species across the North Atlantic. ICES Annual Science Conference, Berlin, Germany, 21-25.9.2009. ICES CM 2009/C:04. (Poster)
- Marshall, C.T. (2006) Can life tables be used to model the population dynamics of cod? Aberdeen Population Ecology Research Unit Symposium, University of Aberdeen, UK. Contributed oral paper.
- Marshall, C.T. (2006) To spawn or not to spawn: is that the question? Institut Maurice Lamontagne, Mont Joli, Quebec. Invited seminar.
- Marshall, C.T. (2006) Using cohort-specific values of  $r$  to describe the stock dynamics of Northeast Arctic cod School of Biological Sciences - University of Liverpool, Invited seminar.
- Marshall, C.T. (2006) Using cohort-specific values of  $r$  to describe the stock dynamics of Northeast Arctic cod. Center for Ecological and Evolutionary Synthesis - University of Oslo, Norway. Invited seminar.
- Marshall, C.T. (2007) Differences in  $r$  explain the differential resiliency of collapsed and non-collapsed cod stocks to fishing. Annual meeting of the British Ecological Society, Glasgow, UK. Contributed oral paper.
- Marshall, C.T. (2007) Differences in the intrinsic rate of population growth explain the differential resiliency of collapsed and non-collapsed cod stocks to fishing. Institute of Marine Research, Bergen, Norway. Invited seminar.
- Marshall, C.T. (2007) Intrinsic population growth rate determines the resiliency of cod stocks to fishing University of York, UK. Invited seminar.
- Marshall, C.T. (2007) Quantifying the relative influence of maturation on stock recovery. Symposium on Reproductive and Recruitment Processes of Exploited Marine Fish Stocks, Lisbon, Portugal. Keynote paper.
- Marshall, C.T. (2008) Parental effects on stock rebuilding rates Annual meeting of the American Fisheries Society – Ottawa, Canada. Contributed oral paper.
- Marshall, C.T. (2009) The capriciousness of condition indices. Institute for Marine Resources and Ecosystem Studies, The Netherlands. Invited seminar.
- Meyer, S. Hauss, H.M., Kanstinger, P., Peck, M. and Støttrup, J. (2009) Live and let die - condition indices and starvation-induced mortality thresholds during the early life of marine fish. ICES CM 2009/T:07. (Poster)
- Meyer, S., Peck, M., Janke, N., Støttrup, J.G. (2008) Growth and condition of Eastern Baltic cod (*Gadus morhua*) larvae reared under different temperatures, salinities, photoperiods and food levels. Aquaculture Europe 2008, Krakow, Poland, 15-18 September 2008. (oral presentation)
- Meyer, S., Peck, M.A. and Støttrup, J.G. (2008) Growth and condition of Eastern Baltic cod (*Gadus morhua*) larvae reared at different temperatures and prey levels. Larval Fish Conference 2008, Kiel, Germany, 4-7 August 2008. (poster presentation)

- Miller, D.C.M and Shelton, P.A. (2009) Satisficing and trade-offs: Evaluating rebuilding strategies for Greenland halibut off the east coast of Canada. ICES/PICES/EU/UNCOVER Symposium on Rebuilding Depleted Fish Stocks, Warnemünde, Germany, 3-6 November 2009. (Poster)
- Nash, R.D.M., Ndjaula, H.O.N., Kjesbu, O.S. and Slotte, A. (2009) Norwegian Spring-Spawning Herring (*Clupea harengus*): The links between stock productivity, stock reproductive potential and recruitment. ICES/PICES/EU/UNCOVER Symposium on Rebuilding Depleted Fish Stocks, Warnemünde, Germany, 3-6 November 2009. (Poster)
- Neuenfeldt, S. (2009) Resolving Climatic Impacts on fish stocks: an exploratory study. BS RAC, Gdynia, Poland, 7.12.2009. (oral presentation)
- Neuenfeldt, S. and Köster, F.W. (2009) Baltic cod cannibalism: Differing consequences at stock recovery versus the historic situation of cod decline? ICES/PICES/EU/UNCOVER Symposium on Rebuilding Depleted Fish Stocks, Warnemünde, Germany, 3-6 November 2009. (oral presentation)
- Oeberst, R. (2008) Distribution pattern of cod and flounder in the Baltic Sea based on international coordinated trawl surveys. ICES CM 2008/J:09, 28 pp.
- Oeberst, R., Bleil, M., Dänhardt, A., Marshall, C.T. and Reid, D.G. (2009) Long-term spatial patterns of potential individual fecundity of cod in the Baltic Sea. ICES/PICES/EU/UNCOVER Symposium on Rebuilding Depleted Fish Stocks, Warnemünde, Germany, 3-6 November 2009. (Poster)
- Oeberst, R., Bleil, R. (2008) Fecundity and egg quality of Baltic Sea cod stocks. UNCOVER Workshop in Kjeswick, England, 24. – 27.06.2008.
- Oeberst, R., Dickey-Collas, M., Nash, R.D.M. (2008) Mean daily growth of herring larvae based on weekly repeated cruises in the Greifswalder Bodden. ICES symposium Linking Herring: Herring: Linking biology, ecology and status of populations in the context of changing environments. Galway 2008.
- Oeberst, R., Klenz, B., Dickey-Collas, M. and Nash, R.D.M. (2008) Variability of the year-class strength of western Baltic spring spawning herring (Rügen herring) – which factors determine the year-class strength? Annual Science Conference of ICES in Halifax, Canada. 22. – 26.9.2008.
- Oeberst, R., Klenz, B., Dickey-Collas, M. and Nash, R.D.M. (2008) Variability of the year-class strength of western Baltic spring spawning herring (Rügen herring) – which factors determine the year-class strength? ICES CM 2008/Q:07, 14 pp
- Oeberst, R., Klenz, B., Gröhsler, T., Dickey-Collas, M., Nash, R.D.M., Zimmermann, C. (2008) When is year class strength determined in Western Baltic herring? ICES symposium Linking Herring: Herring: Linking biology, ecology and status of populations in the context of changing environments. Galway 2008.
- Opdal, A.F. and Vikebø, F. (2009) Disentangling the cost-benefit hypothesis of long distance spawning migrations in the Northeast Arctic cod. ICES/PICES/EU/UNCOVER Symposium on Rebuilding Depleted Fish Stocks, Warnemünde, Germany, 3-6 November 2009. (oral presentation)
- Payne, M.R., Christensen, A., Munk, P., Nash, R.D.M. and Dickey-Collas, M. (2009) The role of spatial processes in North Sea herring larval survival and recruitment. ICES/PICES/EU/UNCOVER Symposium on Rebuilding Depleted Fish Stocks, Warnemünde, Germany, 3-6 November 2009. (oral presentation)
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## Working groups

Acronym	Full name
AFWG	ICES Arctic Fisheries Working Group
AGCREMP	ICES <i>Ad Hoc</i> Group on Cod Recovery Management Plan
HAWG	ICES Herring Assessment Working Group for the Area South of 62° N
SGBRE-07-03	STECF Sub-Group meeting on Balance between Resources and their Exploitation
SGHERWAY	ICES Study Group on the Evaluation of Assessment and Management Strategies of the Western Herring Stocks
SGRST-08-02	STECF Subgroup on Stock Reviews
WGANC	ICES Working Group on Anchovy
WGBFAS	ICES Baltic Fisheries Assessment Working Group
WGFCIFS	ICES-PICES Working Group on Forecasting Climate Change Impacts on Fish and Shellfish
WGHMM	ICES Working Group on the Assessment of Southern Shelf Stocks of Hake, Monk and Megrim
WGIAB	ICES Working Group on Integrated Assessment in the Baltic
WGMHSA	ICES Working Group on the Assessment of Mackerel, Horse Mackerel, Sardine and Anchovy
WGPBI	Working Group on Modelling Physical-Biological Interactions
WGSAM	ICES Working Group on Multispecies Assessment Methods
WGWIDE	ICES Working group on Widely Distributed Stocks
WKAEH	ICES Workshop on Age Estimation of European Hake
WKCSMPB	ICES Workshop on Combining Climatic Scenarios and Medium-term Predictions for Baltic Herring and Sprat Stocks
WKMAMPEL	ICES Workshop on Multi-annual Management of Pelagic Fish Stocks in the Baltic
WKMAT	ICES Workshop on Sexual Maturity Sampling
WKOMSE	ICES-STECF Workshop on Fishery Management Plan Development and Evaluation
WKREFBAS	ICES Workshop on Reference Points in the Baltic Sea
WKSHORT	ICES Benchmark Workshop on Short-lived Species

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- Eero, M., MacKenzie, B.R., Köster, F.W. and Gislason, H. 2008. The Baltic Sea bio-manipulation experiment of the 20th century—resolving impacts of fishing, eutrophication, marine mammals and climate on a cod population. (In prep.)
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