Karin Hüssy - DTU Orbit (11/02/2018)

Hüssy, Karin
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National Institute of Aquatic Resources - Senior Researcher
Section for Oceans and Arctic

Publications:

Characterising and predicting the distribution of Baltic Sea flounder during the spawning season
Publication: Research › Conference abstract for conference – Annual report year: 2017

Characterizing and predicting the distribution of Baltic Sea flounder (*Platichthys flesus*) during the spawning season
Publication: Research - peer-review › Journal article – Annual report year: 2017

Eastern Baltic cod recruitment revisited—dynamics and impacting factors
Publication: Research - peer-review › Review – Annual report year: 2016

Faster or slower: Has growth of juvenile eastern Baltic cod changed?
Hüssy, K., Radtke, K. & Eero, M. 2017
Publication: Research › Conference abstract for conference – Annual report year: 2017

How old are you—Evaluation of age reading methods for the invasive round goby (*Neogobius melanostomus*, Pallas 1814)
Publication: Research - peer-review › Journal article – Annual report year: 2017

Spatio-temporal dynamics of cod nursery areas in the Baltic Sea
Publication: Research - peer-review › Journal article – Annual report year: 2017

Using genetics to identify management units of European flounder in the Baltic Sea
Publication: Research › Conference abstract for conference – Annual report year: 2017

1.500 mærkede torsk skal give bedre bestandsvurdering
Hüssy, K., Olesen, H. J., Hansen, K. K. & Lund, H. S. 2016 23, 37, Fiskeritidende
Publication: Communication › Newspaper article – Annual report year: 2016

Baltic cod recruitment – the impact of changing environmental conditions
Publication: Research › Paper – Annual report year: 2016

Challenging ICES age estimation protocols: lessons learned from the eastern Baltic cod stock
Hüssy, K., Radtke, K., Plikshs, M., Oeberst, R., Baranova, T., Krumme, U., Sjöberg, R., Walther, Y. & Mosegaard, H. 2016 In : ICES Journal of Marine Science. 73, 9, p. 2138-2149
Connectivity of larval cod in the transition area between North Sea and Baltic Sea and potential implications for fisheries management

Ecosystem indicators in the context of fisheries management: example of cod in the Baltic Sea

Evaluation of otolith shape as a tool for stock discrimination in marine fishes using Baltic Sea cod as a case study
Hüssy, K., Mosegaard, H., Albertsen, C. M., Eg Nielsen, E., Hansen, J. H. & Eero, M. 2016 In : Fisheries Research. 174, p. 210-218

Fiskere kan være med til at aldersbestemme torsk
Hüssy, K. & Lund, H. S. 2016 23, 8, Fiskeritidende

Slave to the rhythm: Can seasonal signals in otolith microchemistry be used as a tool for age estimation?

Slave to the rhythm: seasonal signals in otolith microchemistry reveal age of eastern Baltic cod (Gadus morhua)

Spatio-temporal trends in stock mixing of eastern and western Baltic cod in the Arkona Basin and the implications for recruitment

Spawning areas of eastern Baltic cod revisited: Using hydrodynamic modelling to reveal spawning habitat suitability, egg survival probability, and connectivity patterns

The influence of feeding behaviour on growth of Atlantic cod (Gadus morhua, Linnaeus, 1758) in the North Sea

Variability and connectivity of plaice populations from the Eastern North Sea to the Baltic Sea, part II. Biological evidence of population mixing
Ulrich, C., Hansen, J. H., Boje, J., Christensen, A., Hüssy, K., Sun, H. & Worsøe Clausen, L. 2016 In : Journal of Sea Research. 120, p. 13-23

Connectivity, growth and survival in a spatially structured fish population, which is currently managed as seven separate stock units
Nielsen, K. E., Azour, F., Bekkevold, D., Christensen, A., Hüssy, K., Lundgaard, L. S., Mosegaard, H., Møller, P. R. & Deurs, M. V. 2015
Eastern Baltic cod in distress: biological changes and challenges for stock assessment
Publication: Research - peer-review › Journal article – Annual report year: 2015

From genes to ecosystems: spatial heterogeneity and temporal dynamics of the Baltic Sea
Hüssy, K., Dierking, J. & Laiıkre, L. 2015
Publication: Research › Paper – Annual report year: 2015

Invasion rate and population characteristics of the invasive round goby Neogobius melanostomus: effects of density and invasion history
Azour, F., Deurs, M. V., Behrens, J., Carl, H., Hüssy, K., Greisen, K., Ebert, R. & Møller, P. R. 2015 In : Aquatic Biology. 24, p. 41-52
Publication: Research - peer-review › Journal article – Annual report year: 2015

Korttidsprognoser for kortlivede industrifisk under MSY – forvaltning af tobis i Nordsøen
Deurs, M. V., Christensen, A., Bekkevold, D., Lynam, C., Nielsen, K. E., Azour, F., Lundgaard, L. S., Hüssy, K., Mosegaard, H. & Worsøe Clausen, L. 2015
Publication: Research › Report – Annual report year: 2015

Managing population mixing; genetics supported stock splitting in Atlantic cod
Hansen, J. H., Hüssy, K., Huwer, B., Mosegaard, H. & Eero, M. 2015
Publication: Research › Conference abstract for conference – Annual report year: 2015

MSC certification of plaice fisheries in area IIIa: Basic investigations and development of a management plan
Publication: Research › Report – Annual report year: 2015

Optimal bæredygtig udnyttelse af tilgængelige torskebestande for dansk fiskeri
Publication: Research › Report – Annual report year: 2015

Oxygen minimum zone induced rapid temporal fluctuations of Eastern Baltic cod genetic diversity
Publication: Research › Conference abstract for conference – Annual report year: 2015

Processes controlling recruitment in Baltic cod
Publication: Research › Conference abstract for conference – Annual report year: 2015

Stock mixing of eastern and western Baltic cod in SD 24
Hüssy, K., Mosegaard, H., Albertsen, C. M., Hansen, J. H. & Eero, M. 2015
Publication: Research › Conference abstract for conference – Annual report year: 2015

Examining the interactions of growth, climate and recruitment of boarfish (Capros aper) for a better understanding of the recent population expansion
Davies, J. O. & Hüssy, K. 2014
Publication: Research › Conference abstract for conference – Annual report year: 2014
Implications of stock recovery for a neighbouring management unit: experience from the Baltic cod
Publication: Research - peer-review › Journal article – Annual report year: 2014

Otolith microchemistry: A useful tool for age validation?
Hüssy, K. 2014
Publication: Research › Conference abstract for conference – Annual report year: 2014

Report of the Sprat Exchange 2014 For the North Sea and Celtic Sea
Publication: Research › Report – Annual report year: 2015

The Baltic cod: A case study for testing stock discrimination based on otolith shape analysis in a mixed stock fishery
Hüssy, K., Mosegaard, H., Hansen, J. H. & Eero, M. 2014
Publication: Research › Conference abstract for conference – Annual report year: 2014

The recent population expansion of boarfish, Capros aper (Linnaeus, 1758): Interactions of climate, growth and recruitment
Publication: Research - peer-review › Journal article – Annual report year: 2014

A reliable method for ageing of whiting (Merlangius merlangus) for use in stock assessment and management
Ross, S. D. & Hüssy, K. 2013 In : Journal of Applied Ichthyology. 29, p. 825-832
Publication: Research - peer-review › Journal article – Annual report year: 2013

Cod recovery as a new challenge for fisheries management: experience from the Baltic Sea
Eero, M., Hüssy, K., Mosegaard, H., Hansen, J. H., Bastardie, F. & Köster, F. 2013
Publication: Research › Conference abstract for conference – Annual report year: 2013

Improved management based on stock identification of eastern and western Baltic cod
Publication: Research › Report – Annual report year: 2013

Individual behaviour of Baltic cod (Gadus morhua) in relation to sex and reproductive state
Nielsen, B., Hüssy, K., Neuenfeldt, S., Tomkiewicz, J., Behrens, J. & Andersen, K. H. 2013 In : Aquatic Biology. 18, 2, p. 197-207
Publication: Research - peer-review › Journal article – Annual report year: 2013

Spawning migration and behavior of Baltic cod (Gadus morhua) based on DST-derived individual information
Behrens, J., Nielsen, B., Hüssy, K., Neuenfeldt, S., Andersen, K. H. & Tomkiewicz, J. 2013
Publication: Research › Poster – Annual report year: 2013

Boom in boarfish abundance: Insight from otolith analysis
Coad, J. O. & Hüssy, K. 2012
Publication: Research › Conference abstract for conference – Annual report year: 2012

Hydrographic Influence on the spawning habitat suitability of western Baltic cod (Gadus morhua)
Publication: Research - peer-review › Journal article – Annual report year: 2012

Oocyte development and maturity classification of boarfish (Capros aper) in the Northeast Atlantic
The use of otolith microstructure to estimate age in adult Atlantic cod Gadus morhua
Publication: Research - peer-review › Journal article – Annual report year: 2010

Why is age determination of Baltic cod (Gadus morhua) so difficult?
Hüssy, K. 2010 In : ICES Journal of Marine Science. 67, 6, p. 1198-1205
Publication: Research - peer-review › Journal article – Annual report year: 2010

Automated Fish Ageing (AFISA)
Publication: Research › Report – Annual report year: 2009

Cod spatial dynamics and vertical movements in European waters and implications for fishery management (CODYSSEY)
Publication: Research › Report – Annual report year: 2009

ImproveD mEthodology for Baltic COD age Estimation (DECODE)
Publication: Research › Report – Annual report year: 2009

Using data storage tags to link otolith macrostructure in Baltic cod Gadus morhua with environmental conditions
Hüssy, K., Nielsen, B., Mosegaard, H. & Worsøe Clausen, L. 2009 In : Marine Ecology Progress Series. 378, p. 161-170
Publication: Research - peer-review › Journal article – Annual report year: 2009

Using otolith microstructure to infer age of adult Eastern Baltic cod (Gadus morhua L.)
Hüssy, K. & Mosegaard, H. 2009
Publication: Research › Conference abstract for conference – Annual report year: 2009

Otolith accretion rates: Does size really matter?
Publication: Research - peer-review › Journal article – Annual report year: 2008

Otolith shape in juvenile cod (Gadus morhua): Ontogenetic and environmental effects
Hüssy, K. 2008 In : Journal of Experimental Marine Biology and Ecology. 364, 1, p. 35-41
Publication: Research - peer-review › Journal article – Annual report year: 2008

Pelagic habitat mapping: A tool for area-based fisheries management in the Baltic Sea
Publication: Research › Report – Annual report year: 2007

Atlantic cod (Gadus morhua) growth and otolith accretion characteristics modelled in a bioenergetics context
Hüssy, K. & Mosegaard, H. 2004 In : Canadian Journal of Fisheries and Aquatic Sciences. 61, 6, p. 1021-1031
Publication: Research - peer-review › Journal article – Annual report year: 2004

Effect of age and temperature on amino acid composition and the content of different protein types of juvenile cod (Gadus morhua L.) otoliths
Hüssy, K., Mosegaard, H. & Jessen, F. 2004 In : Canadian Journal of Fisheries and Aquatic Sciences. 61, 6, p. 1012-1020
Publication: Research - peer-review › Journal article – Annual report year: 2004
Factors determining variations in otolith microincrement width of demersal juvenile Baltic cod Gadus morhua
Hüssy, K., Mosegaard, H., Hinrichsen, H. H. & Böttcher, U. 2003 In : Marine Ecology - Progress Series. 258, p. 243-251
Publication: Research - peer-review › Journal article – Annual report year: 2003

Using otolith microstructure to analyse growth of juvenile Baltic cod Gadus morhua
Hüssy, K., Mosegaard, H., Hinrichsen, H. H. & Böttcher, U. 2003 In : Marine Ecology - Progress Series. 258, p. 233-241
Publication: Research - peer-review › Journal article – Annual report year: 2003

Baltic cod : Resolving processes determining spatial and temporal windows of survival
Publication: Research › Conference article – Annual report year: 2000

Backcalculating Baltic cod size at age from otolith measurements
Publication: Research › Conference article – Annual report year: 1997

Food resource utilization by juvenile Baltic cod Gadus morhua : a mechanism potentially influencing recruitment success at the demersal juvenile stage?
Hüssy, K., St. John, M. & Böttcher, U. 1997 In : Marine Ecology - Progress Series. 155, p. 199-208
Publication: Research - peer-review › Journal article – Annual report year: 1997

Otolith micro-structure pattern as an indicator of environmental and fish condition of Baltic cod at settling
Mosegaard, H., St John, M. A. & Hüssy, K. 1995 In : ICES CM 1995/. G:37
Publication: Research › Conference article – Annual report year: 1995

Preliminary observations of a size at settling and food resource utilization of juvenile (O-group) Baltic cod (Gadus morhua)
Publication: Research › Conference article – Annual report year: 1995

Projects:

Capelin Migration and Stock Structure using Otolith Microchemistry
Fink-Jensen, P., Hüssy, K. & Jansen, T.
01/06/2017 → 31/05/2020
Project: PhD

Assessing cod growth and age by otolith microchemistry analysis
Nielsen, K. E., Hüssy, K. & Mosegaard, H.
01/10/2016 → 30/09/2019
Project: PhD

Sustainable management of Kattegat cod; Improved knowledge about stock components and migration (39346)
Hansen, J. H., Hüssy, K., Eero, M., Thygesen, U. H., Storr-Paulsen, M., Meldrup, D. & Levinsky, S.
01/03/2016 → 28/02/2018
Project

Tagging Baltic cod (TABACOD) (39333)
Hüssy, K., Olesen, H. J., Andersen, N. G., Storr-Paulsen, M., Thygesen, U. H., Berg, C. W. & Nielsen, K. E.
01/01/2016 → 31/12/2019
Project

A systems approach framework for coastal research and management in the Baltic (BaltCoast) (39201)
Integrating spatial processes into ecosystem models for sustainable utilization of fish resources (INSPIRE) (39118)
Neuenfeldt, S., Hüssy, K., Andersen, N. G. & Eero, M.
01/02/2014 → 30/08/2017
Project

Optimal sustainable use of cod stocks accessible for Danish fisheries (DEL-TORSK) (39147)
Eero, M., Hansen, J. H., Mariani, P., Berg, C. W., Hüssy, K., Huwer, B., Nielsen, A. & Eg Nielsen, E.
17/07/2013 → 30/04/2015
Project

MSC certification of the plaice fishery in area IIIa – basic investigations and development of a management model (39025)
Hansen, J. H., Christensen, A., Ulrich, C., Boje, J., Hüssy, K., Geitner, K., Worsøe Clausen, L., Meldrup, D. & Hansen, F. I.
01/07/2012 → 31/12/2014
Project

The Mysterious Lumpfish (Cyclopterus lumpus) (38985)
Larsen, E. & Hüssy, K.
01/02/2012 → 31/12/2012
Project

Eastern-western Baltic cod: Improved management based on stock discrimination of eastern and western Baltic cod (Øst-Vesttorsk) (38989)
Hüssy, K., Hansen, J. H., Huwer, B., Bastardie, F., Eero, M., Nielsen, J. R., Worsøe Clausen, L., Mosegaard, H., Storr-Paulsen, M., Olesen, H. J., Kirkegaard, E., Larsen, P. V., Hansen, F. I., Lundgaard, L. S., Willandsen, M., de Jong, N., Mensberg, K. D. & Meldrup, D.
27/06/2011 → 29/03/2013
Project

Geographical distribution of fish resources and optimizing of fishery practice in the north-eastern North Sea (RESOURCE) (38878)
Beyer, J., Wieland, K., Andersen, N. G., Pedersen, E. M., Andersen, B. S., Hüssy, K., Kristensen, K., Nielsen, A., Stage, B., Mosegaard, H., Christensen, A., Mariani, P. & Madsen, N.
01/01/2010 → 30/09/2012
Project

Fehmarn Belt science provision project: Fehmarn Belt fish and fisheries and related environmental investigations (38669)
Nielsen, J. R., Worsøe Clausen, L., Bastardie, F., Bekkevold, D., Huwer, B., Hüssy, K., Storr-Paulsen, M., Stæhr, K., Sparrevoehn, C. R., Jepsen, N., Lewy, P., Kristensen, K., Dutz, J., Christensen, A. & Geitner, K.
01/01/2009 → 31/12/2013
Project

Individual based modelling of growth and survival of cod and sandeel larvae
Gürkan, Z., Mosegaard, H., Hüssy, K., Gaard, E. & Skogen, M. D.
15/12/2008 → 22/04/2013
Project: PhD

Automated fish ageing (AFISA) (38111)
Mosegaard, H., Hüssy, K., Christensen, A., Lewy, P. & Worsøe Clausen, L.
01/01/2007 → 31/12/2009
Project

Improved methodology for cod age estimation (DECODE) (38120)
Hüssy, K., Lewy, P., Mosegaard, H., Heilmann, J. & Worsøe Clausen, L.
Project

Baltic Sea management: Nature conservation and sustainable development of the ecosystem through spatial planning (BALANCE) (38432)
Sørensen, T. K., Geitner, K., Sparrevoehn, C. R., Hüsey, K., Köster, F., Tomkiewicz, J., Neuenfeldt, S. & Vestergaard, O.
01/01/2005 → 31/12/2007

Activities:

ICES - Benchmark Workshop on Baltic Cod Stocks - WKBALTCOD (External organisation)
Hüsey, K. (Participant)
2015
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

ICES - Herring Assessment Working Group for the Area South of 62ºN - HAWG (External organisation)
Hüsey, K. (Participant)
2015
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

ICES - The Workshop on Scoping for Integrated Baltic Cod Assessment - WKSIBCA (External organisation)
Hüsey, K. (Participant)
2014
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

ICES - Working Group on Recruitment Forecasting in a Variable Environment - WGRFE (External organisation)
Hüsey, K. (Participant)
2014
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

ICES - Workshop on age validation studies of Gadoids - WKAWSG (External organisation)
Hüsey, K. (Chairman)
2013 → ...
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

ICES - Stock Identification Methods Working Group - SIMWG (External organisation)
Hüsey, K. (Participant)
2012 → ...
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar