

Curriculum Vitae – Karin Hüsey

ORCID

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Degrees

- MSc, Aarhus University, Denmark (1996)
- PhD, University of Copenhagen, Denmark (2002)

Positions

- Senior Scientist, Section for Oceans and Arctic, DTU Aqua (since 2010)
- Research Scientist, DTU Aqua (2008-2010)
- Project Scientist, DIFRES/National Institute of Aquatic Resources (DTU Aqua), Technical University of Denmark (2005-2008)
- Research Associate, Danish Institute for Fisheries Research (DIFRES) (1996-2003)



Research area

Fish biology, population ecology and interdisciplinary fisheries sciences. Particularly understanding how physical and chemical properties of the environment interact with biological processes to regulate otolith biomineralization and chemical composition, and how to use the chronological information stored in the otoliths to infer knowledge on fish growth, habitat use and movement that can ultimately improve fish stock assessment and sustainable management.

Distinctions and awards

ICES Service Award (2013)

Leadership

- Coordinator, PI or work package leader on 9 national and 9 international projects (specified under “Grants”). Chairing of two international ICES Workshops.
- Leading the *Otolith Research Laboratory* at DTU Aqua

Grants, 2006-present

International

- UK Research and Innovation: *From Ions to Ecosystems: A Novel Framework for the Biomonitoring and Management of Vulnerable and Commercial Fishes* (EXTRACT) (PI) (2022-2027, 1.7 M £)
- FORMAS: Losing track of time: dubious age determination of Baltic cod, probable causes and promising solution (PI) (2017-2020, grant No. 2015-865, 3 M SEK)
- BalticSea2020: *Eastern Baltic cod: Solving the ageing and stock assessment problems with combined state-of-the-art tagging methods* (TABACOD) (coordinator) (2015-2019, 27 M SEK)
- EU EASME: *Validating age-determination of anglerfish and hake* (PI) (2017-2019, EASME/EMFF/2017/012, 0.3 M €)
- BONUS: *INtegrating Spatial pRocesses into Ecosystem models for sustainable utilization of fish resources* (INSPIRE) (Co-PI) (2014-2019, call2012-60, 3.7 M €)
- BONUS: *A systems approach framework for coastal research and management in the Baltic* (BaltCoast) (participant) (2014-2019, 2.9 M €)
- Nordic Ministry Council: *The mysterious Lumpfish* (co-coordinator) (2012, NA54, 0.15 M DKK)
- Nordic Ministry Council: *Network for improved Age determination of Baltic cod* (coordinator) (2010, AG Fisk 2009, 0.1 M DKK)
- Fehmarn Belt A/S: Fehmarn Belt project (participant) (2009-2011, 2.62 M €)

- EU Tender: *Improved methodology for Baltic COD age Estimation* (DECODE) (coordinator) (2007-2009, FISH/2006/15, 0.6 M €)
- EU FP7: *Ageing of Fish by Shape Analysis* (AFISA) (PI) (2006-2009, STREP 044132, 0.6 M €)
- INTERREG: *Baltic LANDsCapEs and habitats mapping and modelling* (BALANCE) (participant) (2006-2008, INTERREG III B)
- EU R&D: *Cod spatial dynamics and vertical movements in European waters and implications for fishery management* (CODYSSEY) (participant) (2005-2007, QLRT-2001-00813)

National

- EMFF: The spatial stock structure of sandeel (TRUST) (PI) (2019-2022, 33112-P-19-062, 5.3 M DKK)
- EMFF: Management of mixed cod stocks in the transition zone between North Sea and Baltic Sea: How efficiently can this be achieved most efficiently? (FABBIO) (coordinator) (2019-2022, 33113-B-19-140, 2.8 M DKK)
- EMFF: Improved management of flatfish stock in Danish waters (FORFLAD) (PI) (2019-2022, 33113-B-19-149, 4 M DKK)
- EMFF: *Sustainable management of cod in Kattegat; improved knowledge on stock structure and migrations* (Kattegat cod) (PI) (2016-2018, 33113-B-15, 3.23 M DKK)
- EMFF: *Improvement of the biological advice for Common Sole in Danish Waters* (SOLE) (PI) (2016-2018, 33113-B-16-021, 4.8 M DKK)
- EMFF: *Bedre forvaltning af torsk gennem implementering af biologisk viden* (Torskeråd) (PI) (2016-2018, 33113-B-16-047, 2.5 M DKK)
- EMFF: *Optimal bæredygtig udnyttelse af tilgængelige torskebestande for dansk fiskeri* (DELTorsk) (PI) (2012-2014, 33010-13-k-0269, 2.5 M DKK)
- EMFF: *MSC certification of plaice fisheries in area IIIa – basic investigations and development of a management plan* (MSCplaice) (PI) (2012-2014, 33010-12-a-0253, 2.5 M DKK)
- EMFF: *Improved management through stock identification of eastern and western Baltic cod (E-W cod)* (coordinator) (2011-2012, 3744-11-k-0016, 2.7 M DKK)
- EMFF: *Geographical distribution of fishery resources and optimization of fishery practice in the north-eastern North Sea* (RESOURCE) (participant) (2011-2012, 3744-10-k-0171, 4.4 M DKK)
- EMFF: *Optimization of fisheries resource exploitation in the Skagerrak* (OSkar) (participant) (2010-2011, 3744-09-k-0092, 7.4 M DKK)

Teaching

DTU Ph.D. courses

- Study group in fisheries biology (25807, 2.5 ECTS, co-responsible in 2018)

DTU MSc. courses

- Fisheries ecology and assessment (25307, 10 ECTS, contributor since 2000)
- Fisheries oceanography (25311, 5 ECTS, contributor since 2021)
- The use of otoliths in ageing and growth: an application with juvenile flatfish (special course, 5 ECTS, co-responsible, 2022)
- Stock discrimination of cod using otolith microchemistry (special course, 10 ECTS, responsible, 2020)
- Introduction to age estimation of round goby (special course, 2.5 ECTS, responsible, 2014)
- Introduction to otolith analysis (special course, 5 ECTS, responsible, 2013)

DTU BSc. courses

- Oceanography (25102, 5 ECTS, co-responsible since 2020)

Other courses

- Courses in fish biology as part of the Fisheries control education under the Danish Fisheries Agency and the Greenland government (contributor since 2017)
- Training of visiting scientists, students and laboratory technicians (responsible)

Supervision

- PhD: Regitze Lundgreen (2019-2022, main supervisor), Peter Fink-Jensen (2017-2021, main supervisor), Yvette Heimbrand (2016-2021, co-supervisor), Regitze Lundgreen (2019- , main supervisor), Inmaculada Salvat Leal (2019- , mentor)

- MSc: Jonathan Stoundberg (2021, main supervisor), Kristian Ege Nielsen (2015, main supervisor) Nanna Finne Jensen (2014, main supervisor) Farivar Azour (2014, mentor), Julie Olivia Coad (2012, main supervisor), Franziska Heidemann (2012, mentor), Sabine Rehberg (2011, mentor)
- BSc: Louise Scherffenburg Lundgaard (2013, main supervisor)
- Visiting PhD internship: Inmaculada Salvat Leal (2020)

Memberships of scientific committees

Participant in ICES Working Groups

- Working Group for Biological Parameters (WGBIOP) (since 2018)
- Working Group for Baltic Fisheries Assessment (WGBFAS) (since 2013)
- Stock Identification Methods Working Group (SIMWG) (since 2010)

Participant in ICES Study Groups and Workshops

- *Chair* of the “Workshop on Age Estimation of Baltic Cod” (WKEABCod), resulting in the abandonment of age-based stock assessment (2014)
- *Chair* of the “Workshop on age validation of gadoids” (WKA VGS), resulting in an ICES Cooperative Research Report chapter (2013)
- Age Reading of North Sea Cod (WKARNSC) (2009)
- Study Group on ageing of Baltic cod (SGABC) (1999-2006)
- A large number of other ICES expert meetings in support of the Baltic and North Sea stock assessment Working Groups (most important thereof WGWIDE, WKSIBCA, WKGIC, WKBALTCOD, WKBEBCA, WKPLE, WKNSEA, WKIDEBCA, WKCONGA, WKBALTCOD2) (since 2013)

Web of Science publications: 64. **Citations:** 1950. **H-index:** 25 (08/08/2022). **Book chapters:** 1. **Reports:** > 30.

International conferences: > 60, 19 as first author. **Invited:** 2. **Organizing role:** 7.

Steering committee member

- 7th International Otolith Symposium, Chile (2023)
- 6th International Otolith Symposium, Keelung, Taiwan (2018)
- 5th International Otolith Symposium, Palma de Mallorca, Spain (2014)

Workshop organiser

- “Can otolith chemistry be used for age estimation of fish?”, 6th International Otolith Symposium, Keelung, Taiwan (2018)

Theme session Convener

- Marine scientists conference, Ålborg, Denmark (2022) “Technological methods for studies of fish and invertebrates”
- ICES Annual Science Conference, Copenhagen, Denmark (2015) “From genes to ecosystems: spatial heterogeneity and temporal dynamics of the Baltic Sea”
- 5th International Otolith Symposium, Palma de Mallorca, Spain (2014) “Individual indicators”
- ICES Annual Science Conference. Bergen, Norway (2012) “Beyond routine ageing: otoliths and other bony structures as windows into fisheries, fish ecology, and the environment”

Advisory tasks

- Advisor to the board of BalticSea2020 as member of the scientific reference group as support for the initiative to establish a Baltic cod restocking program under the framework of the BalticWaters2030 fund (www.balticwaters2030.org)
- Invited expert contribution to Baltic Sea Advisory Council (BSAC) Executive Committee meeting 2017 and 2019
- Advising a number of ICES working groups (WGBFAS, WGBIOP, SIMWG, WGWIDE) on new biological knowledge of individual biology, stock structure and age estimation issues and implementation thereof in assessment/management.

Review activities

- Evaluation panel of project proposals for the Faeroese Research Council (2021)
- Review panel of cruise applications for Deutsche Forschungsgemeinschaft, Bonn, Germany (2020)

- Senior scientist position evaluation committee: DTU Aqua (2020)
- PhD evaluation committees: Gotje van Leesen, Reykjavik University (2021); Elliot Brown, DTU Aqua (2019); Christian Irgens, Bergen University (2018); Edurne Blanco, University of Balearic Islands (2018); Kim Berndt, Lund University (2016), Stefano Montanini, University of Bologna (2015); Helene Ofstad, Tromsø University (2014); Peter Ljungberg, Lund University (2013) and Zeren Gürkan, DTU Aqua (2012/2013).
- Regular reviewer for journals: ICES Journal of Marine Biology, Marine Ecology Progress Series, Canadian Journal of Fisheries and Aquatic Sciences, Nature communications, Journal of Fish Biology, Marine Biology, Journal of Applied Ichthyology and others (ca. >10 papers/year)
- Reviewer of project proposals for National Center for Science and Technology Evaluation, Ministry of Education and Science, Kazakhstan (2013)
- Reviewer of research projects for the Department for Environment, Food and Rural Affairs (DEFRA) Marine and Fisheries Science Unit, Nobel House, Area 2E, 17 Smith Square, London, SW1P 3JR, United Kingdom. (2009)
- Reviewer of PhD proposals for the Deutsche Bundesstiftung Umwelt, Osnabrück, Germany. (2009)

Other activities

- Collaboration with fishing industry on developing sustainable fishery of new species, planning tagging project and communication of activities.
- Leadership representative in DTU Aqua's "Work environment safety group" (2013-2016)

Language skills

Mother tongue: Danish and Swiss German

Language skills (CEFR Levels):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Interaction	Production	
English	C2	C2	C2	C2	C2
Danish	C2	C2	C2	C2	C2
German	C2	C2	C2	C2	C2
French	B2	B2	B1	B1	B1

Peer-reviewed publications

1. Stounberg, J., Thomsen, T.B., Heredia, B.D., **Hüssy, K.** 2022. Eyes and ears: a comparative approach linking the chemical composition of cod otoliths and eye lenses. *J. Fish Biol.* Doi: 10.1111/jfb.15159
2. Reis-Santos, P., Gillanders, B.M., Sturrock, A.M., Izzo, C., Oxman, D.S., Lueders-Dumont, J.S., **Hüssy, K.**, Tanner, S.E., Rogers, T., Doubleday, Z.A., Andrews, A.H., Trueman, C., Brophy, D., Thiem, J.D., Baumgartner, L.J., Willmes, M., Chung, M.-T., Johnson, R.C., Heimbrand, Y., Limburg, K.E., Walther, B.D. 2022. Reading the biomineralized book of life: Expanding otolith biogeochemical research and applications for fisheries and ecosystem based management. *Rev. Fish Biol. Fisheries*, doi: 51d5134110e9c27e
3. Lundgreen, R.B.C., Nielsen, A., Krüger-Johnsen, M., Righton, D., Mion, M., Radtke, K., Plikshs, M., Leskelä, A.J., Raitaniemi, J., Griffiths, C.A., Casini, M., Krumme, U., **Hüssy, K.** 2022. Examining fish movement in terms of advection or diffusion: a case study of northeastern Atlantic cod. *Mar. Ecol. Prog. Ser.* 691:115-129, doi: 10.3354/meps14065
4. Fink-Jensen, P. **Hüssy, K.**, Thomsen, T.B., Hanse, S.S., Søndergaard, J., Jansen, T. 2021. Lifetime residency of capelin (*Mallotus villosus*) in West Greenland revealed by temporal patterns in otolith microchemistry. *Fish. Res.*, doi: 10.1016/j.fishres.2021.106172
5. Haase, S., **Hüssy, K.**, Casini, M., Radtke, K., Krumme, U. 2021. Eaten by a cormorant: Unexpected return of a tagged Baltic cod. *International Workshop on Metrology for the Sea; Learning to Measure Sea Health Parameters (MetroSea)*, pp: 283-287. doi: 10.1109/MetroSea52177.2021.9611573
6. Behrens, J.W., Ryberg, M.P., Einberg, H., Eschbaum, R., Florin, A.-B., Grygiel, W., Herrmann, J.P., Huwer, B., **Hüssy, K.**, Knospina, E., Nöomaa, K., Oesterwind, D., Polte, P., Smolinsky, S., Ustups, D., van Deurs, M., Ojaveer, H. 2021. Seasonal depth distribution and thermal experience of the non-

- indigenous round goby *Neogobius melanostomus* in the Baltic Sea: implications to key trophic relations. *Biol. Invasions*, doi: 10.1007/s10530-021-02662-w.
7. Brophy, D., Pérez-Mayol, S., Duncan, R., **Hüssy, K.**, Geffen, A., Gerritsen, H. D., Villanueva, M. C. Morales-Nin, B. 2021. Elemental composition of illicia and otoliths and their potential application to age validation in white anglerfish (*Lophius piscatorius* Linnaeus, 1758) *Est. Coast. Shelf Sci.*, doi: 10.1016/j.ecss.2021.107557
 8. Lehmann, A., Myrberg, K., Post, P., Chubarenko, I., Dailidienė, I., Hinrichsen, H.-H., **Hüssy, K.**, Liblik, T., Lips, U., Meier, H. E. M., Bukanova, T. 2021. Salinity dynamics of the Baltic Sea, *Earth Syst. Dynam. Discuss.*, doi:10.5194/esd-2021-15.
 9. **Hüssy, K.**, Albertsen, C.M., Hemmer-Hansen, J., Vinther, M., Serre, S.H., Thomsen, T.B., Eero, M. 2021. Where do you come from, where do you go: Early life stage drift and migrations of cod inferred from otolith microchemistry and genetic population assignment. *Can. J. Fish. Aquat. Sci.*, doi: 10.1139/cjfas-2020-0409
 10. Albertsen, C.M., **Hüssy, K.**, Hansen Serre, S., Hansen, J. H. Thomsen, T. B. 2021. Estimating migration patterns of fish from otolith chemical composition time-series. *Can. J. Fish. Aquat. Sci.* doi: 10.1139/cjfas-2020-0356
 11. **Hüssy, K.**, Krüger-Johnsen, M., Thomsen, T.B., Heredia, B.D., Naeraa, T., Limburg, K.E., McQueen, K., Haase, S., Krumme, U., Casini, M., Mion, M., Radtke, K. 2021. It's elemental, my dear Watson: Validating seasonal patterns in otolith chemical chronologies. *Can. J. Fish. Aquat. Sci.*, doi:10.1139/cjfas-2020-0388.
 12. Mion*, M., Haase, S., Hemmer-Hansen, J., Hilvarsson, A., **Hüssy, K.**, Krüger-Johnsen, M., Krumme, U., McQueen, K., Plikshs, M., Radtke, K., Schade, F., Vitale, F., Casini, M. 2020. Multidecadal changes in fish growth rates estimated from tagging data: a case study from the Eastern Baltic cod (*Gadus morhua*, Gadidae). *Fish Fish.*, 22: 413-427, doi:10.1111/faf.12527
 13. Fink-Jensen, P., Jansen, T., Thomsen, T.B., Serre, S.H., **Hüssy, K.** 2020. Marine chemistry variation along Greenland's coastline indicated by chemical fingerprints in capelin (*Mallotus villosus*) otoliths. *Fish. Res.*, 236, doi:10.1016/j.fishres.2020.105839
 14. Haase, S., McQueen, K., Mion, M., Andersson, M., Hilvarsson, A., Olesen, H.J., Svenson, A., Casini, M., **Hüssy, K.**, Radtke, K., Krumme, U. 2020. Short-term tagging mortality of Baltic cod (*Gadus morhua*). *Fish. Res.*, 234, doi:10.1016/j.fishres.2020.105804.
 15. McQueen, K., Casini, M., Dolk, B., Haase, S., Hemmer-Hansen, J., Hilvarsson, A., **Hüssy, K.**, Mion, M., Mohr, T., Radtke, K., Schade, F. M., Schulz, N., Krumme, U. 2020. Regional and stock-specific differences in contemporary growth of Baltic cod revealed through tagrecapture data. *ICES J. Mar. Sci.*, doi:10.1093/icesjms/fsaa104.
 16. Heimbrand, Y., Limburg, K., **Hüssy, K.**, Casini, M., Sjöberg, R., Palmén Bratt, A.-M., Levinsky, S.-E., Karpushevskaja, A., Radtke, K., Öhlund, J. 2020. Seeking the true time: Exploring otolith chemistry as an age-determination tool. *J. Fish Biol.* doi:10.1111/jfb.14422.
 17. **Hüssy, K.**, Limburg, K.E., de Pontual, H., Thomas, O.R.B., Cook, P.K., Heimbrand, Y., Blass, M., Sturrock, A.M. 2020. Trace element patterns in otoliths: The role of biomineralization. *Rev. Fish. Sci. Aquacult.*, 29: 455-477, doi:10.1080/23308249.2020.1760204
 18. Mion, M., Hilvarson, A., **Hüssy, K.**, Krumme, U., Krüger-Johnsen, M., McQueen, K., Mohamed, E., Motyka, R., Orio, A., Plikshs, M., Radtke, K., Casini, M. 2019. Historical growth of Eastern Baltic cod (*Gadus morhua*): Setting a baseline with international tagging data. *Fish. Res.*, 223: doi:10.1016/j.fishres.2019.105442
 19. Dinesen, G.E., Neuenfeldt, S., Kokkalis, A., Lehmann, A., Egekvist, J., Kristensen, K., Munk, P., **Hüssy, K.**, Støttrup, J.G. (2019) Cod and climate: a systems approach for sustainable fisheries management of Atlantic cod (*Gadus morhua*) in coastal Danish waters. *J. Coastal Cons.*, 23: 943-958. doi: 10.1007/s11852-019-00711-0
 20. McQueen, K., Mion, M., Hilvarsson, A., Casini, M., Olesen, H.J., **Hüssy, K.**, Radtke, K., Krumme, U. 2019. Effects of freezing on length and mass measurements of Atlantic cod *Gadus morhua* in the Baltic Sea. *J. Fish Biol.*, 95:1486-1495. doi:10.1111/jfb.14171

21. Hemmer-Hansen, J., **Hüssy, K.**, Baktoft, H., Huwer, B., Bekkevold, D., Haslob, H., Herrmann, J., Hinrichsen, H., Krumme, U., Mosegaard, H., Eg Nielsen, E., Reusch, T. B. H., Storr-Paulsen, M., Velasco, A., von Dewitz, B., Dierking, J., Eero, M. 2019. Genetic analyses reveal complex dynamics within a marine fish management area. *Evol. Appl.*, doi:10.1111/eva.12760
22. Eero, M., Hinrichsen, H.-H., Hjelm, J., Huwer, B., **Hüssy, K.**, Köster, F.W., Margonski, P., Plikshs, M., Storr-Paulsen, M., Zimmermann, C. 2018. Designing spawning closures can be complicated: Experience from cod in the Baltic Sea. *Ocean Coast. Man.*, doi:10.1016/j.ocecoaman.2018.12.018
23. Kennedy, J., Durif, C.M.F., Florin, A.-B., Fréchet, A., Gauthier, J., **Hüssy, K.**, Jónsson, S., Ólafsson, H.G., Post, S., Hedeholm, R.B. 2019. A brief history of lumpfishing, assessment, and management across the North Atlantic. *ICES J. mar. Sci.*, 76: 181-191. doi:10.1093/icesjms/fsy146.
24. **Hüssy, K.**, Eero, M., Radtke, K. 2018. Faster or slower: Has growth of Baltic cod changed? *Mar. Biol. Res.*, 14 (6)doi:10.1080/17451000.2018.1502446
25. Hansen, S.S., Nielsen, K.E., Fink-Jensen, P., Thomsen, T.B., **Hüssy, K.** 2018. Analysis of cod otolith microchemistry by continuous line transects using LA-ICP-MS. *Geological Survey of Denmark and Greenland Bulletin 41*, 91–94.
26. Limburg, K.E., Wuenschel, M.E., **Hüssy, K.**, Heimbrand, Y., Samson, M. 2018. Making the otolith Magnesium chemical calendar-clock tick: Plausible mechanism and empirical evidence. *Rev. Fish. Sci. Aquacult.*, 26(4). doi:10.1080/23308249.2018.1458817
27. Florin, A.-B., **Hüssy, K.**, Blass, M., Oesterwind, D., Puntilla, R., Ustups, D., Albrecht, C., Heimbrand, Y., Knospina, E., Koszarowski, K., Odelström, A. 2017. How old are you—Evaluation of age reading methods for the invasive round goby (*Neogobius melanostomus*, Pallas 1814). *J. appl. Ichthyol.*, doi:10.1111/jai.13596
28. Orio, A., Bergström, U., Casini, M., Erlandsson, M., Eschbaum, R., **Hüssy, K.**, Lehmann, A., Lozys, L., Ustups, D., Florin, A.B. 2017. Characterizing and predicting the distribution of Baltic Sea flounder (*Platichthys flesus*) during the spawning season. *J. Sea Res.*, doi:10.1016/j.seares.2017.07.002
29. Hinrichsen, H.-H., von Derwitz, B., Lehman, A., Bergström, U., **Hüssy, K.** 2017. Spatio-temporal dynamics of cod nursery areas in the Baltic Sea. *Prog. Oceanogr.*, 155:28-40. doi:10.1016/j.pcean.2017.05.007
30. Köster, F.W., Huwer, B., Hinrichsen, H.-H., Neumann, V., Makarchouk, A., Eero, M., Dewitz, B.V., **Hüssy, K.**, Tomkiewicz, J., Margonski, P., Temming, A., Hermann, J.-P., Oesterwind, D., Dierking, J., Kotterba, P., Plikshs, M. 2017. Eastern Baltic cod recruitment revisited—dynamics and impacting factors. *ICES J. mar. Sci.*, 74:3-19. doi:10.1093/icesjms/fsw172
31. Ulrich, C., Hemmer-Hansen, J., Boje, J., Christensen, A., Degel, H., **Hüssy, K.**, Worsøe Clausen, L. 2016. Variability and connectivity of plaice populations from the Eastern North Sea to the Western Baltic Sea, Part II. Characterisation and dynamics of distinct populations. *J. Sea Res.*, 120: 13-23. doi:10.1016/j.seares.2016.11.002
32. **Hüssy, K.**, Andersen, N.G., Pedersen, E.M. 2016. The influence of feeding behaviour on growth of Atlantic cod (*Gadus morhua*) in the North Sea. *J. appl. Ichthyol.*, 32: 928-937. doi:10.1111/jai.13160
33. **Hüssy, K.**, Radtke, K., Plikshs, M., Oeberst, R., Baranova, T., Krumme, U., Sjöberg, R., Mosegaard, H. 2016. Challenging ICES age estimation protocols: lessons learned from the eastern Baltic cod stock. *ICES J. mar. Sci.*, 73: 2138-2149. doi:10.1093/icesjms/fsw107
34. Hinrichsen H.-H., Lehmann, A., Peterreit, C., Nissling, A., Ustups, D., Bergström, U., **Hüssy, K.** 2016. Spawning areas of eastern Baltic cod revisited: Using hydrodynamic modelling to reveal spawning habitat suitability, egg survival probability, and connectivity patterns. *Prog. Oceanogr.*, 143: 13-25. doi:10.1016/j.pcean.2016.02.004
35. Huwer, B., Hinrichsen, H.-H., **Hüssy, K.**, Eero, M. 2016. Connectivity of larval cod in the transition area between North Sea and Baltic Sea and potential implications for fisheries management. *ICES J. mar. Sci.*, doi:10.1093/icesjms/fsw043
36. **Hüssy, K.**, Gröger, J., Heidemann, F., Hinrichsen, H.-H., Marohn, L. 2016. Slave to the rhythm: Seasonal signals in otolith microchemistry reveal age of eastern Baltic cod (*Gadus morhua*). *ICES J. mar. Sci.*, 73: 1019-1032. doi:10.1093/icesjms/fsv247

37. **Hüssy, K.**, Hinrichsen, H.-H. Eero, M., Mosegaard, H., Hemmer-Hansen, J., A. Lehmann, A., Lundgaard, L.S. 2016. Spatio-temporal trends in stock mixing of eastern and western Baltic cod in the Arkona Basin and the implications for recruitment. *ICES J. mar. Sci.* 73: 293-303. doi: 10.1093/icesjms/fsv227
38. Eero, M., Hjelm, J., Behrens, J., Buchmann, K., Cardinale, M., Casini, M., Gasyukov, P., Holmgren, N., Horbowy, J., **Hüssy, K.**, Kirkegaard, E., Kornilovs, G., Krumme, U., Köster, F. W., Oeberst, R., Plikshs, M., Radtke, K., Raid, T., Schmidt, J., Tomczak, M. T., Vinther, M., Zimmermann, C., and Storr-Paulsen, M. 2015. Eastern Baltic cod in distress: biological changes and challenges for stock assessment. *ICES J. mar. Sci.*, doi:10.1093/icesjms/fsv109
39. **Hüssy, K.**, Mosegaard, H., Albertsen, C.M., Nielsen, E.E., Hemmer-Hansen, J., Eero, M. 2015. Evaluation of otolith shape as a tool for stock discrimination in marine fishes using Baltic Sea cod as a case study. *Fish. Res.*, 174: 210–218
40. Azour, F., van Deurs, M., Behrens, J., Carl, H., **Hüssy, K.**, Greisen, K., Ebert, R., Møller P.R., 2015. Invasion rate and population characteristics of the round goby *Neogobius melanostomus*: effects of density and invasion history. *Aquat. Biol.*, 24: 41–52
41. Eero, M., Hemmer–Hansen, J., **Hüssy, K.** 2014. Implications of stock recovery for a neighbouring management unit: experience from the Baltic cod. *ICES J. mar. Sci.*, 71:1458-1466. doi:10.1093/icesjms/fsv060
42. Coad, J.O., **Hüssy, K.**, Farrell, E.D., Clarke, M.W., 2014. The recent population expansion of boarfish, *Capros aper* (Linnaeus, 1758): interactions of climate, growth and recruitment. *J. Appl. Ichthyol.*, 30: 463-471
43. Ross, S., **Hüssy, K.**, 2013. A reliable method for ageing of whiting (*Merlangius merlangus*) for use in stock assessment and management. *J. appl. Ichthyol.*, 29: 825-832
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Communication to public sector

A large number of articles to “Fiskeritidende” and appearances on radio P4 Bornholm.

TV broadcasts

- Euro News (2020): <https://www.euronews.com/2020/09/01/fishermen-in-poland-fear-for-their-jobs-as-cod-numbers-decline>
Focus: Expert contribution explaining the reasons behind the collapse of the Baltic cod stock
- TV2 Bornholm EKKO (2017): <http://play.tv2bornholm.dk/?area=specifikTV&id=256020>
Focus: Promoting knowledge of tagging activities of Baltic cod in the TABACOD project
- TV2 Bornholm (2015): <https://tv2bornholm.dk/?newsID=89630>
Focus: Experimental fishery to improve biological knowledge for stock assessment of flatfishes and cod

DTU Aqua news

- TABACOD: <https://www.youtube.com/watch?v=EpomPFRbfX0>
- Tuna: <https://youtu.be/1FuqRrKm1eY>