

CV – Erlend Moksness

Present working position: Independent Professional BlueGrowth&MarineServices; www.bg-ms.com (Since 2018) Previous working positions: Research Director at the Institute of Marine Research (2013 –2017). Regional Research Director at the Institute of Marine Research (2007 –2013) Research Director at the Institute of Marine Research (2007). Area of responsibility: Strategy Research Director at the Institute of Marine Research (2002-2007). Area of responsibility: Management Advice and Research on Coastal Zone Ecosystem Head of Section at the Institute of Marine Research, Flødevigen Marine Research Station, Arendal (1998-2002). Program leader for the research program "Reproduction and recruitment" (1992-1996) Head of computers at the Institute of Marine Research, Flødevigen Marine Research Station (1985-1995). Scientist at the Institute of Marine Research (1977-1998).	Previous working positions Chairman for Norwegian Fishery Forum (2007 - 2017). Professor in Aquaculture at Norwegian School of Veterinary Science, Oslo (1992-2005). Editorial Board member of: Fishery Research (2000-2015) Member of BiodivERsA Advisory Board (2016-20) Representing Institute of Marine Research in: - European Marine Board (EMB) (2006-2017) - EMB vice-Chair ExCom (2014-2017) - Partnership for Observation of the Global Oceans (POGO) (2013-2017) - Member of Finance Committee of POGO (2015-2017) - POGO ExCom (2017) - European Polar Board (EPB) (2016-2017) - Member of program committee of MAREANO (The Norwegian mapping program) (2013-2017) - Board of Centre of Coastal Research (CCR), University of Agder - NRC (Norwegian Research Council) reference group for Horisont 2020 - Norwegian Blue Forests Network Others: Meddommer (lay judge) Agder Lagmannsrett (2004-2016)
Education Cand. real., Institute of Fishery Biology, University of Bergen, Norway. October 1978. Thesis: "Enclosure studies of the prey, growth and mortality of cod-larvae in a mesocosms", 73 pp. (in Norwegian) Driftøkonom, Education in economics at the NKS (Norsk korrespondanse skole) 1982-1984. Dr. philos., Department of Fisheries and Marine Biology, University of Bergen, Norway. June 1992. Thesis: "Otolith microstructure: a new method in recruitment and management studies with herring (<i>Clupea harengus</i> spp.)", 106 pp.	Address Stensåsveien 34 4846 Arendal Norway Mobil Phone: +47 90573625 E-mail: erlend.moksness@gmail.com Skype: emoksness Personal data Born: 2. May 1950 in Kvedfjord, Troms County, Norway Civil status: Single, three kids (born 1980, 1985 and 1990).

Short resume

My background is in:

- recruitment processes in marine fishes,
- fish ageing, stock enhancement of marine fishes,
- integrated ESE (Ecosystem, Social and Economic) modeling,
- Surplus Production Modeling,
- MPA (Marine Protected Area) and
- aquaculture of marine fishes.

In the period 1992 – 2005 I hold the position as Professor in Aquaculture at Norwegian School of Veterinary Science, Oslo. I have published 104 per reviewed scientific articles (12 as single author and 16 as first author) and co-editor of 13 proceedings and scientific books, including a text book on cultivation of cold-water marine fishes. I have been convener or on steering committees of several International Symposiums. In addition, I have hold position as Program leader for four years, Section head for five years and Research Director for eleven years at the Institute of Marine Research.

Since 1998 working as Section head and Research Director at the Institute of Marine Research (IMR) in Norway. In my period as a Research Director I have established the IMR Advice and Research Program on Coastal Zone Ecosystem. I have played an active role in establishing a WG within ICES on coastal zone issues (ICES WG on Integrated Coastal Zone Management; WGICZM; established in 2005). In addition, I have been responsible for the research cooperation with Europe, North-America (USA and Canada) and countries in Latin-America. I represented the institute in the European Marine Board (EMB), European Polar Board (EPB) and Partnership for Observation of the Global Oceans (POGO). Since 2016 member of BiodivERsA Advisory Board.

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Awards

- EFAN Special Award 2000. For excellence in leadership and generosity to all.
- ICES Service Award 2007. As convener of the International Symposium on Integrated Coastal Zone Management, held in Arendal, Norway, June 2007
- PICES “Certificate of Recognition 2009. For best presentation on “Major human activities affecting Norwegian coastal marine ecosystems: Present status and challenges”
- Special Award at the 5th International Otolith Symposium, Mallorca, October 2014 for “Vision and support for European Otolith Networking”

Editor of Books

- The Propagation of Cod *Gadus morhua* L. E. Dahl, D.S. Danielssen, E. Moksness and P. Solemdal (Eds.). ISSN 0333-2594, Flødevigen rapportser. 888 s.
- An International Symposium on Sea Ranching of cod and other Marine Fish Species. D.S. Danielssen, B.R. Howell and E. Moksness. Aquaculture and Fisheries Management, 25, 1994, Supplement 1. 264 s.
- Computers in Fisheries Research. B. Megrey and E. Moksness. Chapman & Hall, 1996. 254 pp. ISBN 0 412 59550 8.
- Stock Enhancement and Sea ranching. B.R. Howell, E. Moksness and T. Svåsand (Editors). Blackwell Ltd. 1999. 606 pp. ISBN 0-85238-246-4
- Recent Development in Fish Otolith Research. P. Fossum, J. Kalish and E. Moksness (Editors). Fisheries Research. 46, 2000. 371 pp (Special issue)
- Visualization of Spatial Data. B.A. Megrey and E. Moksness (Editors) 2002. ICES Journal of Marine Science, 59: 150-235.
- Culture of cold-water Marine Fish. Editors: E. Moksness, E. Kjørsvik and Y. Olsen. Publisher: Blackwell Scientific Publications Ltd, UK, 2004. ISBN 0-85238-276-6. 528 pp.
- Computers in Fisheries Research, Second edition. B. Megrey and E. Moksness (Eds.). Springer, 2009. ISBN 978-1-4020-8635-9. 421 pp.
- Fish Reproductive Biology; implications for Assessment and Management. T. Jakobsen, M. Fogarty, B. Megrey and E. Moksness (Eds.). Wiley-Blackwell Ltd. 2009. ISBN 978-1-4051-2126-2. 430 pp.
- Integrated Coastal Zone Management. E. Moksness, E. Dahl and J. Støttrup (Eds.). Wiley-Blackwell Ltd. 2009. ISBN 978-1-4051-3950-2.
- Comparative marine ecosystem structure and function: descriptors and characteristics Editors: B. A. Megrey, J. S. Link and E. Moksness. Progress in Oceanography 81. 2009
- Comparative analysis of marine fisheries production, 2012. Link, J., A. Bundy, T. Miller, E. Moksness and K. Stergiou (Eds). Marine Ecology Progress Series, 459, 157-302.
- Global Challenges in Integrated Coastal Zone Management. E. Moksness, E. Dahl and J. Støttrup (Eds.). Wiley-Blackwell Ltd. 2013. ISBN 978-0-470-65756-0
- Fish Reproductive Biology; implications for Assessment and Management, 2nd Edition. T. Jakobsen, M. Fogarty, B. Megrey and E. Moksness (Eds.). Wiley-Blackwell Ltd. 2016. ISBN 978-1-118-75274-6. 488 pp.

Member of Editorial board

- Flødevigen Rapportserie, 1984 - 1992.
- Fisheries Research, Elsevier. Member of Editorial Advisory Board (since 2000-2015).

Convener for International Symposiums

- The Propagation of Cod *Gadus morhua* L., Arendal, 14.-17. June 1983.
- The Sea ranging of Cod and other marine fish species, Arendal, 15.-18. juni 1993.
- European Fish Ageing Network, Ghent, Belgium, 11-13 Januar 1996.
- The First International Symposium on Stock Enhancement and Sea ranching. Bergen, Norway, 8 - 11 September 1997.
- The Second International Symposium Fish otolith research and application. Bergen, Norway, 20 - 25 June 1998.
- International Symposium on Integrated Coastal Zone Management, Arendal, Norway, 11 – 14 June 2007
- International Workshop on Exploring the Role of MPAs in Reconciling Fisheries Management with Conservation Bergen, Norway, 29 – 31 March 2011
- International Symposium on Integrated Coastal Zone Management, Arendal, Norway, 3 – 7 July 2011
- The 47th European Marine Biology Symposium, Arendal, Norway, 3-7 September 2012.
- 4th Meeting of Scientific Experts on Fish Stocks in the Central Arctic Ocean, Tromsø, Norway, 26-28 September 2016
- 4th International Symposium on Integrated Coastal Zone Management, Arendal, Norway, 2 – 5 July 2018

Member of steering committees of International Symposiums

- International Herring Symposium, Anchorage, Alaska, USA, 23-25 October 1990.
- World Fisheries Congress, in Athens, Greece, 3-8 May 1992. American Fishery Society (ASF).
- New directions in otolith research and application, Hilton Head, South Carolina, USA, February 1993.
- International Symposium on the Role of forage fishes in marine ecosystems, Anchorage, Alaska, USA, 13-15 November 1996.
- Special Session on Fisheries and Aquaculture Interactions at World Aquaculture Society meeting in Nice, France, 2-6 May 2000.
- 1ST MARICULT CONFERENCE: Exploitation of living marine resources for the new millennium - Bridging potentials and environmental constraints. Trondheim, 26-28 June 2000.
- 3rd World Fisheries Congress, in Beijing, China, 31 October - 3 November 2000.
- The Second International Symposium on Stock Enhancement and Sea Ranching in Kobe city, Japan on January 28-February 1, 2002.
- 4th World Fisheries Congress, in Vancouver, Canada, 2 – 6 May 2004.
- The Third International Symposium Fish otolith research and application. Townsville, Australia, 12 - 16 July 2004.
- The Third International Symposium on Stock Enhancement and Sea Ranching in Seattle, USA, 18 – 22 September 2006.
- The 4th International Symposium Fish otolith research and application. Monterey, California, USA, 24-28 August 2009.
- The 5th International Symposium Fish otolith research and application. Mallorca, Spain, 24-28 October 2014.

Convener of other meetings

- Chair for a national (Norway) meeting on culturing of wolffish. Arendal, 13-15 June 1990.
- Coordinator for the International Calibration of Daily Increments in Otoliths of Fishes. 1989-90, for ICES Working Group on Larval Fish Ecology (Biological Oceanography Committee).
- Co-Chair for the ICES otolith microstructure workshop. Arendal, Norway, 26-28 November 1991.
- Co-Chair for the Computer workshop during the "World Fisheries Congress", i Athens, Greece, 3-8 May 1992.
- Chair at the SARP workshop on the Clupeoids otolith microstructure. Fuengirola, Spain, 29 June - 1 July 1992.
- Convener for annual meetings in the research program «Reproduction and recruitment» (1992-1996), Institute of Marine Research.
- Convener for ICES Workshop on sandeel otolith analysis. Arendal, Norway, 28 August - 1 September 1995.

Member of ICES working groups:

- Herring Assessment for the area south of 62°N
- Mass rearing of juvenile marine fish
- Recruitment Processes
- Herring larvae surveys south of 62°N
- Integrated Coastal Zone Management

Coordinator for the following EU-projects

- Precision and Accuracy of tools in Recruitment Studies (PARS), 1997 – 2000. Research project that included 16 scientists from 6 partners (different Universities and research Institutes) from 5 European countries.
- European Fish Ageing Network (EFAN), 1997 – 2000. Concerted Action (CA) that included 120 scientists from 36 partners (different Universities and research Institutes) from 16 European countries.
- Towards Accreditation and Certification of Age Determination of Aquatic Resources (TACADAR), 2002 - 2006. Concerted Action (CA) that included 38 scientists from 28 partners (different Universities and research Institutes) from 16 European countries.

10 most recent publications

- Suthers, I. M., Reid, D. D., Moksness, E., and Schilling, H. T. 2020. Novel fisheries investigations by Harald Dannevig: some parallels with Johan Hjort on the other side of the world. *ICES Journal of Marine Science*, fsaa001, <https://doi.org/10.1093/icesjms/fsaa001>.
- McDermott, S.F., L. Buhl-Mortensen, G. Dahle, D. Hart, A. C. Haynie, T. Johannessen, E. Moksness, E. Moland, E. Olsen, J. V. Olson, P. D. Spencer, and W. Stockhausen (Accepted). Lessons on Marine Protected Area Management in Northern Boreal Regions from the United States and Norway. *Marine Fisheries Review*.
- Sandersen, H.T., E. Mikkelsen, E. Moksness and J. H. Vølstad 2013. Knowledge issues in ICZM and EBM applied on small geographic scales: Lessons from a case study in Risør, Norway. In: Moksness, E., Dahl, E. and Støttrup, J. (Eds.) *Global Challenges in Integrated Coastal Zone Management*. Wiley-Blackwell Ltd. 2013. ISBN 978-0-470-65756-0; 127-144.

- Rice, J., E. Moksness, C. Attwood, S.K. Brown, G. Dahle, K. M. Gjerde, E. S. Grefsrud, R. Kenchington, A. Ring Kleiven, P. McConney, M. A. K. Ngoile, T. F. Næsje, E. Olsen, E. Moland Olsen, J. Sanders, C. Sharma, O. Vestergaard and L. Westlund 2012. The role of MPAs in reconciling fisheries management with conservation. *Ocean and Coastal Management*, 69: 217-230.
- Gaichas, S.K., A. Bundy, T. J. Miller, E. Moksness and K. I. Stergiou 2012. What Drives Marine Fisheries Production? *Marine Ecology Progress Series*, 459, 159-163
- Link, J.S., S. Gaichas, T. J. Miller, T. Essington, A. Bundy, J. Boldt, K. F. Drinkwater and E. Moksness 2012. Synthesizing lessons learned from comparing fisheries production in 13 northern hemisphere ecosystems: emergent fundamental features Erlend Moksness. *Marine Ecology Progress Series* 459, 293-302.
- Moksness, E., J. Link, K. Drinkwater and S. Gaichas 2012. Bernard Megrey: pioneer of Comparative Marine Ecosystem analyses. *Marine Ecology Progress Series* 459, 165-167.
- Moksness, E, J. Gjøsæter, G. Lagailarde, E. Mikkelsen, E. Moland Olsen, H. T. Sandersen and J. H. Vølstad 2011. Effects of fishing tourism in a coastal municipality – a case study from Risør, Norway. *Ecology and Society* 16 (3):11. [online] URL: <http://www.ecologyandsociety.org/vol16/iss3/art11/>
- Jason S. Link, Bernard A. Megrey, Thomas J. Miller, Tim Essington, Jennifer Boldt, Alida Bundy, Erlend Moksness, Ken F. Drinkwater and R. Ian Perry 2010. Comparative analysis of marine ecosystems: international production modelling workshop. *Biol. Lett.* doi:10.1098/rsbl.2010.0526
- Paulsen, H., O. S. Kjesbu, V. Buehler , R. A. J. Case, C. Clemmesen, G. Carvalho, L. Hauser, W. F. Hutchinson, E. Moksness, H. Otter, A. Thorsen and T. Svåsand 2009. Effects of egg size, parental origin and feeding conditions on growth of larval and juvenile cod *Gadus morhua*. *Journal of Fish Biology* (2009) 75, 516–537
- Megrey, B. A., J. S. Link, G. Hunt and E. Moksness 2009. Comparative marine ecosystem structure and function: descriptors and characteristics – A synthesis. *Progress in Oceanography*, 81: 2-9

International Publications

- Appelberg, M., N. Formigo, A. J. Geffen, C. Hammer, W. McCurdy, J. Modin, E. Moksness, H. Mosegaard, B. Morales-Nin, H. Troadec and P. Wright. 2005. A cooperative effort to exchange age reading experience and protocols between European fish institutes. *Fisheries Research* 76, 167-173.
- Belchier, M, C. Clemmesen, D. Cortes, T. Doan, A. Folkvord, A. Garcia, A. Geffen, H. Høie, A. Johannessen, E. Moksness, H. De Pontual, T. Ramirez, D. Schnack and B. Sveinsbo 2004. Recruitment studies: Manual on precision and accuracy of tools. *ICES Techniques in Marine Environmental Sciences*, No. 33. 35 pp.
- Blaxter, J.H.S., D.S. Danielssen, E. Moksness and V. Øiestad 1983. Description of the early development of the halibut (*Hippoglossus hippoglossus*) and attempts to rear the larvae past first feeding. *Mar. Biol.*, 73: 99-107.
- Bjerkås, E., I. Bjerkås and E. Moksness 1998. An outbreak of cataract with lens rupture and nuclear extrusion in wolf-fish (*Anarhicas spp*). *Veterinary Ophthalmology* 1, 1: 9-15.
- Campana, S. and E. Moksness 1991. Accuracy and precision of age and hatch date estimates from otolith microstructure examination. *ICES J. mar. Sci.*, 48: 303-316.
- Case, R.A.J., W.F. Hutchinson, L. Hauser, V. Buehler, C. Clemmenssen, G. Dahle, O.S. Kjesbu, E. Moksness, H. Otterå, H. Paulsen, T. Svåsand, A. Thorsen and G.R. Carvalho 2006. Association between growth and Pan I* genotype within Atlantic

- cod full-sibling families. Transactions of the American Fisheries Society, 135: 241-250.
- Casselman, J.M. and E. Moksness 2002. Preface. In: J. Panfili, H. de Pontual, H. Troadec and P.J. Wright (Eds.) Manual of fish sclerochronology. Brest, France: Ifremer-IRD coedition, 464p. 11-13.
- Clemmesen, C., V. Bühler, G. Carvalho, R. Case, G. Evans, L. Hauser, W.F. Hutchinson, O. S. Kjesbu, H. Mempel, E. Moksness, H. Otteraa, H. Paulsen, A. Thorsen and T. Svaasand. 2003. Variability condition and growth of Atlantic cod larvae and juveniles reared in mesocosms: environmental and maternal effects. Journal of Fish Biology 62: 706-723.
- Dahl, E., A. Ervik, S. A. Iversen, E. Moksness and R. Sætre. 2008. Reconciling fisheries with conservation in the coastal zones - the Norwegian experience and status. American Fisheries Society Symposium 49: 1519-1531.
- Danielssen, D.S., E. Moksness and V. Øiestad 1981. Duoculture of plaice (*Pleuronectes platessa*) and lobster (*Homarus gammarus*) fry in two enclosures based on natural production. Rapp. P.-v. Réun. Cons. int. Explor. Mer 178: 511-513.
- Ellertsen, B., E. Moksness, P. Solemdal, T. Strømme, S. Tilseth, T. Westgård and V. Øiestad 1980. Some biological aspects of cod larvae (*Gadus morhua* L.). FiskDir. Skr. Ser. HavUnders., 17: 29-47.
- Ellertsen, B., E. Moksness, P. Solemdal, S. Tilseth, T. Westgård and V. Øiestad 1981. Growth and survival of cod in an enclosure. Experiment and a mathematical model. Rapp. P.-v. Réun. Cons. int. Explor. Mer 178: 45-57.
- Falk-Petersen, I-B., T. Haug and E. Moksness 1990. Observation on the occurrence, size and feeding of ocean catfish, *Anarhichas lupus*, larvae in western Finnmark, North Norway. J. Cons. int. Explor. Mer. 46: 148-154.
- Feet, P.Ø., K.I. Ugland and E. Moksness 2002. Accuracy of age estimates in spring spawning herring (*Clupea harengus* L.) reared under different prey densities. Fish. Res., 56: 59-67.
- Folkvord, A. and E. Moksness 1995. RNA/DNA ratios and growth of herring larvae. Marine Ecology Progress Series, 121: 311-312.
- Folkvord, A., L. Ystanes, A. Johannessen and E. Moksness 1996. RNA:DNA ratios and growth of herring (*Clupea harengus* L.) larvae reared in mesocosms. Marine Biology, 126: 591-602.
- Folkvord, A., K. Rukan, A. Johannessen & E. Moksness 1997. Early life history of herring (*Clupea harengus* L.) larvae in contrasting environments determined by back-calculation of otolith growth. Journal of Fish Biology, 51 (Suppl. A): 250-263.
- Folkvord, A., G. Blom, A. Johannessen and E. Moksness 2000. Growth dependent age estimation in herring (*Clupea harengus* L.) larvae. Fish. Res., 46: 91-103.
- Folkvord, A., A. Johannessen & E. Moksness 2004. Temperature dependent otolith growth in Norwegian spring spawning herring (*Clupea harengus* L.) larvae. Sarsia 89: 297-310.
- Fossum, P. and E. Moksness 1993. A study of spring- and autumn-spawned herring (*Clupea harengus* L.) larvae in the Norwegian coastal current during spring 1990. Fish. Oceanogr. 2:2, 73-81.
- Fossum, P. and E. Moksness 1995. Recruitment processes of the strong year-class of Norwegian spring spawning herring (*Clupea harengus* L.) derived from otolith microstructure examination. pp. 467-480. In: Secor, D.H., J.M. Dean and S.E. Campana (Eds.) Recent developments in fish otolith research. University of South Carolina Press. Columbia, South Carolina, USA, 764 p.
- Gaichas, S.K., A. Bundy, T. J. Miller, E. Moksness and K. I. Stergiou 2012. What Drives Marine Fisheries Production? *Marine Ecology Progress Series*, 459, 159-163

- Gao, Y., H.P. Schwarcv, U. Brand and E. Moksness 2001. Seasonal stable isotope records of otoliths from ocean-pen reared and wild cod, *Gadus morhua*. *Enviromental Biology of Fishes* 61: 445-453.
- Godø, O.R. and E. Moksness 1987. Growth and maturation of Norwegian coastal cod and Northeast Artic cod under different conditions. *Fish. Res.*,5: 235-242.
- Ivarfjord, T., T. Pedersen and E. Moksness 2008. Effects of growth rates on the Otolith increment deposition rate in capelin larvae (*Mallotus villosus*). *Journal of Experimental Marine Biology and Ecology*, 358: 170-177..
- Jakobsen,T., M. J. Fogarty, B. A. Megrey and E. Moksness 2009. Introduction. In: Jakobsen, T., M. Fogarty, B. Megrey and E. Moksness (Eds.). *Fish Reproductive Biology; implications for Assessment and Management*. Wiley-Blackwell Ltd. 2009. ISBN 978-1-4051-2126-2. 1-8.
- Johannessen, A. and E. Moksness 1991. Occurrence of herring larvae in the Skagerrak area from December 1987 to April 1988. *Fish. Res.* 11: 155-170.
- Johannessen, T., J. Gjørseter and E. Moksness 1993. Reproduction, spawning behaviour and captive breeding of the commen wolffish *Anarhichas lupus* L. *Aquaculture*, 115: 41-51.
- Hellberg, H., E. Moksness and S. Høie 1996. Infection with atypical *Aeromonas salmonicida* in farmed common wolffish (*Anarhichas lupus* L.). *Journal of Fish Diseases*, 19: 329-332.
- Knutsen, H., E. Moksness and N.B. Vogt 1985. Distinguishing between 1 day old cod (*Gadus morhua* L.) and haddock (*Melanogrammus aeglefinus* L.) eggs using gas chromatography and SIMCA pattern recognition. *J. Fish. Res. Bd Can.* 42, 1823-1826.
- Link, J.S., B.A. Megrey, T.J. Miller, T. Essington, J. Boldt, A. Bundy, E. Moksness, K.F. Drinkwater and R.I. Perry 2010. Comparative analysis of marine ecosystems: international production modelling workshop. *Biol. Lett.* doi:10.1098/rsbl.2010.0526
- Link, J.S., S. Gaichas, T. J. Miller, T. Essington, A. Bundy, J. Boldt, K. F. Drinkwater and E. Moksness 2012. Synthesizing lessons learned from comparing fisheries production in 13 northern hemisphere ecosystems: emergent fundamental features. *Marine Ecology Progress Series* 459, 293-302.
- McCarthy, I., E. Moksness and D.A. Pavlov 1998. The effects of temperature on growth rate and growth efficiency of juvenile wolffish. *Aquaculture International*, 6, 207-218.
- McCarthy, I., E. Moksness, D.A. Pavlov and D.F. Houlihan 1999. Effect of water temperature on protein syntesis and protein growth in juvenile Atlantic wolffish (*Anarhichas lupus* L.). *Can. J. Fish. Aquat. Sci.* 56: 231-241
- McDermott, S.F., L. Buhl-Mortensen, G. Dahle, D. Hart, A. C. Haynie, T. Johannessen, E. Moksness, E. Moland, E. Olsen, J. V. Olson, P. D. Spencer, and W. Stockhausen 2017. Lessons on Marine Protected Area Management in Northern Boreal Regions from the United 1 States and Norway. *Marine Fisheries Review*, 79 (1) 28-51.
- Misund, O.A., Torrissen, O.J., Bjordal, Å., Moksness, E., Lønne, O.J., Toft, K.Ø. 2008. Reorganization of the Institute of Marine Researc, Norway, to improve the quality and responsiveness of scientific advice for management and conservation under the ecosystem approac. *American Fisheries Society Symposium* 49: 1139-1147.
- Megrey, B. A., J. S. Link, G. Hunt and E. Moksness (2009). Comparative marine ecosystem structure and function: descriptors and characteristics – A synthesis. In: B. A. Megrey, J. S. Link, and E. Moksness (Eds) *Comparative marine ecosystem*. Special issue of *Progress in Oceanography*. (In press)
- Megrey, B.A. and E. Moksness 2009. Past, present and future trends in the use of computers in fisheries research. In: B.A. Megrey and E. Moksness (Eds.) *Computers in Fisheries Research*. Second edition. Springer, ISBN 978-1-4020-8635-9. 1-30.
- Megrey, B.A. and E. Moksness 1996. Introduction. In: B.A. Megrey and E. Moksness (Eds.) *Computers in Fisheries Research*. Chapman & Hall Ltd, ISBN 0 412 59550 8: 1-7.

- Megrey, B.A. and E. Moksness 2002. Introduction. In: B.A. Megrey and E. Moksness (Eds.) Visualization of Spatial Data. ICES Journal of Marine Science, 59: 150.
- Megrey, B. A., J. S. Link, G. Hunt and E. Moksness 2009. Comparative marine ecosystem structure and function: descriptors and characteristics – A synthesis. Progress in Oceanography. 81: 2-9
- Megrey, B. A., J. S. Link and E. Moksness 2009. Comparative marine ecosystem structure and function: descriptors and characteristics – Preface. Progress in Oceanography. 81: 1
- Moksness, E. 1982. Food uptake, growth and survival of capelin larvae (*Mallotus villosus* Muller) in an outdoor constructed basin. Fisk.Dir. Skr. Ser. Havunders., 17:267-285.
- Moksness, E. 1990. Tagging and release experiment of 2-group artificial reared coastal cod (*Gadus morhua*). Flødevigen Rapportserie 1: 34-41.
- Moksness, E. 1990. Weaning of wild-caught common wolffish (*Anarhichas lupus*) larvae. Aquaculture 91: 77-85.
- Moksness, E. 1992. Validation of daily increments in the otolith microstructure of Norwegian spring spawning herring (*Clupea harengus*). ICES J. mar. Sci., 49: 231-235.
- Moksness, E. 1992. Differences in otolith microstructure and body growth rate of North Sea herring (*Clupea harengus* L.) larvae in the period 1987-1989. ICES J. mar. Sci., 49: 223-230.
- Moksness, E. 1992. Otolith microstructure: a new method in recruitment and management studies with herring (*Clupea harengus* spp.). Dr. Ph. Thesis, University of Bergen, Norway. 106 pp.
- Moksness, E. 1993. Otolith microstructure examination and analysis (Book review). Reviews in Fish Biology and Fisheries, 3: 293-294.
- Moksness, E. 1994. Growth rates in cultured common wolffish (*Anarhichas lupus*) and spotted wolffish (*A. minor*). Aquaculture and Fishery Management 25: 363-372.
- Moksness, E. 1996. Recent development in fish otolith research (Book review). Reviews in Fish Biology and Fisheries, 6: 254-255.
- Moksness, E. 1999. Economic evaluation of marine ranching. FAO Fisheries Circular No. 943: 44-52.
- Moksness, E. 2002. Lessons from the Norwegian Sea Ranching Programme (PUSH). Fisheries Science 68:896-899.
- Moksness, E. 2004. Stock Enhancement and Sea Ranching as an integrated part of Coastal Zone Management in Norway. In: Stock Enhancement and Sea Ranching; Developments, Pitfalls and Opportunities (Eds. K.M. Leber, S. Kitada, H.L. Blankenship and T. Svåsand) Blackwell Ltd. 2004, 3 – 10.
- Moksness, E., J. Butler and R.L. Radtke 1987. Estimation of age and growth rate in Norwegian spring spawning herring (*Clupea harengus*) larvae and juvenile. Sarsia 72:341-342.
- Moksness, E., and P. Fossum 1991. Distinguishing spring- and autumn-spawned herring larvae (*Clupea harengus* L.) by otolith microstructure. - ICES J. mar. Sci., 48: 61-66.
- Moksness, E. and P. Fossum 1992. Daily growth rate and hatching-date distribution of Norwegian spring spawning herring (*Clupea harengus* L.). ICES J. mar. Sci., 49: 217-221.
- Moksness, E., J. Gjøsæter, I.S. Fjallstein and A. Reinert 1989. Start-feeding and on-growing of wolffish (*Anarhichas lupus*) in the laboratory. Aquaculture, 77: 221-228.
- Moksness, E, J. Gjøsæter, G. Lagailarde, E. Mikkelsen, E. Moland Olsen, H. T. Sandersen and J. H. Vølstad 2011. Effects of fishing tourism in a coastal municipality – a case study from Risør, Norway. Ecology and Society 16 (3):11. [online] URL: <http://www.ecologyandsociety.org/vol16/iss3/art11/>

- Moksness, E., E. Kjørsvik and Y. Olsen. 2004. Introduction. pp. 1-6, I: Moksness, E., Kjørsvik, E., Olsen, Y. (Ed.), Culture of Coldwater Marine Fish. Blackwell Publishing Ltd, Oxford,
- Moksness, E., J. Link, K. Drinkwater and S. Gaichas 2012. Bernard Megrey: pioneer of Comparative Marine Ecosystem analyses. *Marine Ecology Progress Series* 459, 165-167.
- Moksness, E. and D.A. Pavlov 1996. Management by life cycle of wolffish, *Anarhichas lupus* L., a new species for cold water aquaculture: a technical paper. *Aquaculture Research*, 27: 865-883.
- Moksness, E., G. Rosenlund and Ø. Lie 1995. The effect of fish meal quality on growth of juvenile wolffish (*Anarhichas lupus*). *Aquaculture Research*, 26: 109-115.
- Moksness, E., Rukan, K., Ystanes, L., Folkvord, A., and A. Johannessen 1995. Comparison of somatic and otolith growth in North Sea herring (*Clupea harengus* L.) larvae; evaluation of growth dynamics in mesocosms, p 119-134. In: Secor, D.H., J.M. Dean and S.E. Campana (Eds.) Recent developments in fish otolith research. University of South Carolina Press. Columbia, South Carolina, USA, 764 p.
- Moksness, E. and J.R. Selvik 1987. Description of the spawning and the early life history of haddock (*Melanogrammus aeglefinus* L.) from the Norwegian Skagerrak coast. *Flødevigen Rappser.* 1:1-15.
- Moksness, E. and R. Støle. 1997. Larviculture of marine fish for sea ranching purposes: is it profitable? *Aquaculture* 155: 341-353.
- Moksness, E., R. Støle and G. van der Meeren 1998. Profitability analysis of sea ranching with Atlantic Salmon (*Salmo salar*), Arctic charr (*Salvelinus alpinus*) and European lobster (*Homarus gammarus*) in Norway. *Bulletin of Marine Science* 62: 689-699
- Moksness, E. and V. Wespestad 1989. Ageing and back-calculating growth rate of Pacific herring (*Clupea harengus pallasi*) larvae by reading daily otolith increments. *Fish. Bull.* 87 (3): 509-518.
- Moksness, E. and V. Øiestad 1984. Tagging and release experiments on 0-group coastal cod (*Gadus morhua* L.) reared in an outdoor basin. In: E. Dahl, D.S. Danielssen, E. Moksness and P. Solemdal (Editors), The Propagation of Cod *Gadus morhua* L. Flødevigen rapportser., 1, 1984: 787-794.
- Moksness, E. and V. Øiestad 1987. Interaction of Norwegian spring-spawning herring larvae (*Clupea harengus*) and Barent Sea capelin larvae (*Mallotus villosus*) in a mesocosm study. *J. Cons. int. Explor. Mer*, 44: 32-42.
- Morison, A.K., J. Burnett, W. J. McCurdy, and E. Moksness. 2005. Quality issues in the use of otoliths for fish age estimation. *Marine and Freshwater Research*, 56: 773-782.
- Morales-Nin, B., R.M. Bjelland and E. Moksness. 2005. Otolith microstructure of a hatchery reared European hake (*Merluccius merluccius*). *Fishery Research* 74: 300-305.
- Munk, P., P.O. Larsson, D.S. Danielssen and E. Moksness 1995. Larval and small juvenile cod *Gadus morhua* concentrated in the highly productive areas of a shelf break front. *Marine Ecology Progress Series*, 125: 21-30.
- Munk, P., P.O. Larsson, D.S. Danielssen and E. Moksness 1999. Variability in frontal zone formation and distribution of gadoid fish larvae at the shelf break in the northeastern North Sea. *Marine Ecology Progress Series*, 177: 221-233.
- Neilson, J.D. and E. Moksness. 1995. Otolith applications to population biology, p 399-402. In: Secor, D.H., J.M. Dean and S.E. Campana (Eds.) Recent developments in fish otolith research. University of South Carolina Press. Columbia, South Carolina, USA, 764 p.
- Sandersen, H.T., E. Mikkelsen, E. Moksness and J. H. Vølstad 2012. Dilemmas in Local Coastal Governance -Local management and development ambitions vs. sectoral and institutional barriers in Risør, Norway. In: Moksness, E., Dahl, E. and Støttrup,

- J. (Eds.) *Global Challenges in Integrated Coastal Zone Management*. Wiley-Blackwell Ltd. 2012. ISBN 978-0-470-65756-0; 127-144.
- Suthers, I. M., Reid, D. D., Moksness, E., and Schilling, H. T. 2020. Novel fisheries investigations by Harald Dannevig: some parallels with Johan Hjort on the other side of the world. *ICES Journal of Marine Science*, fsaa001, <https://doi.org/10.1093/icesjms/fsaa001>.
- Paulsen, H., O. S. Kjesbu, V. Buehler, R. A. J. Case, C. Clemmesen, G. Carvalho, L. Hauser, W. F. Hutchinson, E. Moksness, H. Otter, A. Thorsen and T. Svåsand (2009). Effects of egg size, parental origin and feeding conditions on growth of larval and juvenile cod *Gadus morhua*. *Journal of Fish Biology* (2009) 75, 516–537
- Pavlov, D.A. and E. Moksness 1993. Bacterial destruction of egg shell of common wolffish, *Anarhichas lupus* L., during incubation. *Aquaculture International*, 1: 178-186.
- Pavlov, D.A. and E. Moksness. 1994. Production and quality of eggs obtained from wolffish, *Anarhichas lupus* L., reared in captivity. *Aquaculture*, 122: 295-312.
- Pavlov, D. A. and E. Moksness 1994. Reproductive biology, early ontogeny, and effect of temperature on development in wolffish: comparison with salmon. *Aquaculture International*, 2: 133-153.
- Pavlov, D. A. and E. Moksness 1995. Development of wolffish eggs at different temperature regimes. *Aquaculture International*, 3: 315-335.
- Pavlov, D. A. and E. Moksness 1996. Swelling of wolffish, *Anarhichas lupus* L., eggs and prevention of their adhesiveness. *Aquaculture Research*, 27: 421-428.
- Pavlov, D.A. and E. Moksness 1996. Repeat sexual maturation of wolffish (*Anarhichas lupus* L.) broodstock. *Aquaculture* 13: 249-263.
- Pavlov, D.A. and E. Moksness 1996. Development of axial skeleton in wolffish, *Anarhichas lupus* (Pisces, Anarhichadidae), at different temperatures *Environmental Biology of Fishes*, 49: 401-416.
- Pavlov, D. A., and Moksness, E. 1996. Sensitive stages during embryonic development of wolffish, *Anarhichas lupus* L. determining the final numbers of rays in unpaired fins and skeletal abnormalities. *ICES Journal of Marine Science*, 53: 731-740.
- Pavlov, D. A., and Moksness, E. 2000. Feasibility of cultivation cold-water marine fish species: An ontogenetic approach. p 412. In: Norberg, B., O.S. Kjesbu, G.L. Taranger, E. Andersson and S.O. Stefansson (Eds.) *Proceedings of the 6th International Symposium on the reproductive physiology of fish*. ISBN 82-7461-048-2.
- Pavlov, D.A, E. Moksness and V.A. Burmenski 2000. Otolith microstructure characteristics in White Sea spring-spawning herring (*Clupea pallasii marisalbi* Berg) larvae. *ICES J. mar. Sci.*, 57: 1069-1076.
- Pavlov, D. A., P. Knudsen, N. G. Emel'yanova and E. Moksness 1997. Spermatozoon ultrastructure and sperm production in wolffish (*Anarhichas lupus*), a species with internal fertilization. *Aquatic Living Resources*, 10: 187-194.
- Pearson, W.H., E. Moksness and J.R. Skalski 1995. A field and laboratory assessment of oil spill impacts on survival and reproduction of Pacific herring following the *Exxon Valdez* spill. In: P.G. Wells, J.N. Butler and J.S. Hughes (Eds.). *Exxon Valdez Oil Spill: Fate and effects in Alaskan waters*, ASTM STP 1219, American Society for Testing and Materials, Philadelphia: 626-661.
- Radtke, R.L., W. Showers, E. Moksness and P. Lenz 1996. Environmental information stored in otoliths: insights from stable isotopes. *Marine Biology*, 127: 161-170.
- Radtke RL, Showers W, Moksness E, Lenz P (1998). Corrigendum: Environmental information stored in otoliths: Insights from stable isotopes. *Marine Biology* 132: 347-348.
- Rice, J., E. Moksness, C. Attwood, S.K. Brown, G. Dahle, K. M. Gjerde, E. S. Grefsrud, R. Kenchington, A. Ring Kleiven, P. McConney, M. A. K. Ngoile, T. F. Næsje, E. Olsen, E. Moland Olsen, J. Sanders, C. Sharma, O. Vestergaard and L. Westlund (In

- press). The role of MPAs in reconciling fisheries management with conservation. *Ocean and Coastal Management*
- Solemdal, P., E. Dahl, D.S. Danielssen and E. Moksness, 1984. The cod hatchery in Flødevigen - background and realities. In: E. Dahl, D.S. Danielssen, E. Moksness and P. Solemdal (Eds.), *The Propagation of Cod *Gadus morhua* L.* Flødevigen rapportser., 1, 1984: 17-45.
- Steinarsson, A. and E. Moksness 1996. Oxygen consumption and ammonia excretion of common wolffish (*Anarhichas lupus* Linnaeus) in an experimental-scale, sea-water landbased culture system. *Aquaculture Research*, 27, 925-929.
- Stefanussen, D, Ø. Lie, E. Moksness, and K.I. Ugland 1993. Growth of juvenile common wolffish (*Anarhichas lupus*) on practical feeds. *Aquaculture*, 114: 103-111.
- Svåsand, T., and E. Moksness. 2004. Marine Stock enhancement and sea-ranching. pp. 475-486, I: Moksness, E., Kjørsvik, E., Olsen, Y. (Ed.), *Culture of Coldwater Marine Fish*. Blackwell Publishing Ltd, Oxford,
- van der Meeren, T, and E. Moksness 2003. Growth and mortality patterns evaluated from otolith microstructure in Atlantic cod *Gadus morhua* larvae reared on different feeding regimes in mesocosms. *Marine Ecology Progress Series*, 264:83-95.
- Vogt, N.B., E. Moksness, S.P. Spørstøl, H. Knutsen, S. Nordenson and K. Kolset 1986. SIMCA principal component analysis of fatty acid patterns in day-1 and day-8 cod (*Gadus morhua*) and haddock (*Melanogrammus aeglefinus*) eggs. *Mar. Biol.*, 92: 173-182.
- Wespestad, V. and E. Moksness 1990. Observations on the early life history of Pacific herring (*Clupea harengus pallasi*) from Bristol Bay, Alaska, in a marine mesocosm. *Fish. Bull. US*. 88 (1): 191-200.
- Zhang, Z. and E. Moksness 1993. A chemical way of thinning otoliths of adult Atlantic herring, (*Clupea harengus*) to expose the microstructure in the nucleus region. *ICES J. mar. Sci.*, 50: 213-217.
- Zhang, Z. and E. Moksness 1992. Preliminary notes on age information from sections of decalcified otoliths of Atlantic herring,. *Fish. Res.*, 15: 181-186.
- Øiestad, V. and E. Moksness 1981. Study of growth and survival of herring larvae (*Clupea harengus* L.) using plastic bag and concrete enclosure methods combined. *Rapp. P.-v. Reun. Cons. Perm. int. Explor. Mer*, 178:144-149.

International reports

- Andersen, T. og E. Moksness 1988. Manual for reading daily increments by use of computer programme. A Apple Macintosh software program, OTO 1.06, included. Flødevigen Meldinger Nr. 4: 1-36.
- Andersen, T. og E. Moksness 1989. Estimation of age in days and daily growth rate in larvae and juvenile marine fishes based upon reading daily increments in their otoliths. (Abstract only) Rapp. P.-v. Réun. Cons. int. Explor. Mer, 191: 474-474.
- Andersen, T. og E. Moksness 1988. Estimation of age in days and daily growth rate in larvae and juvenile marine fishes based upon reading daily increments in their otoliths. ICES ELHS/1988 Poster No. 56.
- Anon. 1985. Preliminary report of the international 0-group fish survey in the Barent Sea and adjacent waters in August-September 1985. ICES CM 1985/G:75 : 1-27.
- Anon 1985. Report of the working group on larval fish ecology to the biological oceanography committee of ICES. ICES CM 1985/L:28.
- Anon. 1986. Preliminary report of the international 0-group fish survey in the Barent Sea and adjacent waters in August-September 1986. ICES CM 1986/G:78 : 1-27 [Mimeo]
- Anon. 1987. Report of the Herring Assessment Working Group for the area south of 62 °N. ICES CM 1987/Assess:19, Part 1 and 2.
- Anon 1987. Report of the working group on Larval Fish Ecology to the biological oceanography committee of ICES. ICES CM 1987/L:28.
- Anon. 1988. Report of the Herring Assessment Working Group for the area south of 62 °N. ICES CM 1988/Assess:19, Part 1 and 2.
- Anon 1989. Report of the working group on larval fish ecology to the Biological Oceanography committee of ICES. ICES CM 1989/L:22.
- Anon 1989. Report of the working group on Mass rearing of juvenile marine fish to the Mariculture committee of ICES. ICES CM 1989/F:4.
- Anon 1990. Report of the working group on Recruitment Processes to the Biological Oceanography committee of ICES. ICES CM 1990/L:96.
- Anon 1990. Report of the Working Group on Herring larvae surveys south of 62N to the Pelagical Fish committee of ICES. ICES CM 1990/H:7.
- Anon 1992. Report of the Workshop on methods of forecasting herring catches in division IIIA and the North Sea. Lysekil, 10-13 March 1992. ICES CM 1992/H:5, 25 pp [Mimeo].
- Anon 1992. Report of the ICES otolith microstructure workshop. Report to the ICES working group on Recruitment Processes. Arendal, Norway, 26-28 November 1991. 25 pp [Mimeo].
- Anon 1992. Report of the working group on Recruitment Processes. Fuengirola, Spain, 23-26 June 1992. ICES CM 1992/L:6. 1-53 [Mimeo].
- Anon 1994. Report of the working group on Recruitment Processes. Lysekil, Sweden, 14-17 June 1994. ICES CM 1994/L:12. 1-53 [Mimeo].
- Anon. 1995. Report of the ICES Workshop on sandeel otolith analysis. Arendal, Norway, 28 August - 1 September 1995. ICES CM 1995/G:4. 1-31 [Mimeo].
- ICES, (Moksness, E., m.fl.) 2004. Report of the ICES Study Group on Information Needs for Coastal Zone Management. ICES CM 2004/E:08. Ref. ACME. F. 38pp.
- ICES, (Moksness, E., m.fl.) 2005. Report of the ICES Study Group on Information Needs for Coastal Zone Management. ICES CM 2005/E:09. Ref. ACME. F. 36pp.
- Report of the Clupeoids otolith microstructure workshop. Fuengirola, Spain, 29 June - 1 July 1992. 12 pp [Mimeo].
- Bjerkås, E., I. Bjerkås and E. Moksness 1996. An outbreak of cataract in wolffish (*Anarhicas* spp.). European Society of Veterinary Ophthalmology / European College of Veterinary Ophthalmologists. Jerusalem, Oktober 1996.

- Blaxter, J.H.S., D.S. Danielssen and E. Moksness 1993. Report from the symposium on sea ranching of cod and other marine fish species. Arendal, Norway 15-18 June 1993. ICES CM 1993/F:49, 12 pp
- Bøhle, B. and E. Moksness 1991. On the distribution of euphausiids in Skagerrak. ICES CM 1991/L:4, 1-12 [Mimeo].
- Butler, J. and E. Moksness 1997. Manual for OTO 3.0 and OPS. NOAA-TM-NMFS-SWFSC-238: 1-57.
- Campana, S. and E. Moksness 1991. Accuracy and precision of age and hatch date estimates from otolith microstructure examination. ICES CM 1991/L:2, 1-27 [Mimeo].
- Danielssen, D.S., E. Moksness and V. Øiestad, 1979. Duoculture of plaice (*Pleuronectes platessa*) and lobster (*Homarus gammarus*) fry in two enclosures based on natural production. Symp. Early Life History of Fish., Int. Coun. Explor. Sea, April 1979: 1-4, 1 fig. and 1 tab. (Mimeo.)
- Ellertsen, B., E. Moksness, P. Solemdal, S. Tilseth and V. Øiestad 1977. Rearing of marine fish in ponds on natural food production. 3rd Meeting of the ICES Working group on Mariculture, Brest, France, May 10-13, 1977. Actes de Cologues du CNEXO, 4 : 11.
- Ellertsen, B., E. Moksness, P. Solemdal, T. Strømme, S. Tilseth, and V. Øiestad, 1977. The influence of light and food density on feeding success in larvae of cod (*Gadus morhua* L.), field and laboratory observations. ICES CM 1976/F: 34, 1-16, 15 fig. and 6 tab. [Mimeo.]
- Ellertsen, B., E. Moksness, P. Solemdal, T. Strømme, S. Tilseth, T. Westgård and V. Øiestad, 1977. Vertical distribution and feeding of cod larvae in relation to occurrence and size of prey organisms. ICES DM 1977/L:33, 1-22, 17 fig. (Mimeo.)
- Ellertsen, B., E. Moksness, P. Solemdal, S. Tilseth, T. Westgård and V. Øiestad, 1979. Growth and survival of three larval populations of cod (*Gadus morhua* L.) in an enclosure. Symp. Early Life History of Fish., Int. Coun. Explor. Sea, April 1979: 1-26, 15 fig. and 16 tab. (Mimeo.)
- Ellertsen, B., E. Moksness, P. Solemdal, T. Strømme, S. Tilseth, T. Westgård and V. Øiestad, 1980. Some biological aspects of cod larvae (*Gadus morhua* L.). Symp. Early Life History of Fish., Int. Coun. Explor. Sea, April 1979: 1 (Mimeo.)
- Falk-Petersen, I-B., T. Haug and E. Moksness 1988. Observation on the occurrence, size and feeding of ocean catfish, *Anarchicas lupus*, larvae in western Finnmark, North Norway. ICES ELHS/1988 Poster No. 10.
- Falk-Petersen, I-B., T. Haug and E. Moksness 1989. Observation on the occurrence, size and feeding of ocean catfish, *Anarchichas lupus*, larvae in western Finnmark, North Norway. (Abstract only) Rapp. P.-v. Réun. Cons. int. Explor. Mer, 191: 458-458.
- Folkvord, A., A. Johannessen, E. Moksness and P. Fossum 1997. Temperature-dependent otolith growth in herring (*Clupea harengus* L.) larvae. Presented at "Ichthyoplankton ecology symposium", The Fisheries Society of the British Isles Annual International Symposium, 8.-11. July 1997, Galway, Ireland
- Fossum, P. and E. Moksness 1988. Distinguishing between spring and autumn spawned herring from daily increments, a preliminary report. ICES CM 1988/H:15, 1-9.
- Fossum, P. and E. Moksness 1991. Estimation of daily growth rate and birthdate-distribution in Norwegian Spring Spawning Herring (*Clupea harengus* L.), from daily increment studies of 2-4 Month old juveniles. In: Meltaff, B (ed.) Proceedings from the International Herring Symposium, Alaska Sea Grant College Program. Report No. 91-01-1991: 37-51.
- Fossum, P. and E. Moksness 1991. Back-calculating birthdate distribution and growth history of Norwegian spring spawning herring (*Clupea harengus* L.) with otolith data from juveniles of the 1990 yearclass. ICES CM 1991/H:14, 1-16 [Mimeo].

- Fossum, P. and E. Moksness 1993. A study of spring- and autumn-spawned herring (*Clupea harengus* L.) larvae in the Norwegian coastal current during spring 1990. Symposiet "New Directions in Otolith Research and Application" i Hilton Head, South Carolina, USA, Februar 1993. (Submitted)
- Gjøsæter, J. and E. Moksness 1987. Some preliminary observations on catfish (*Anarhichas lupus* L. and *A. minor* Olafsen) in captivity. ICES CM 1987/F:32. 1-12.
- Godø, O.R. and E. Moksness, 1985. Growth and maturation of Norwegian coastal cod and Arcto-Norwegian cod under different conditions. Workshop on comparative biology, assessment and management of Gadoids. Seattle, Washington 24-28/5-85.
- Heath, M., K. Brander, K. Richardson, P. Munk and E. Moksness 1988. Biological investigations during the autumn circulation experiment (ACE) in the North Sea 1987-1988. ICES ELHS/1988 Poster nr. 123.
- Heath, M., K. Brander, K. Richardson, P. Munk and E. Moksness 1988. Biological investigations during the autumn circulation experiment (ACE) in the North Sea 1987-1988. (Abstract only) Rapp. P.-v. Réun. Cons. int. Explor. Mer, 191: 451-451.
- Hjartarson, S.V., B. Th. Björnsson, E. Moksness and B. Norberg 1991. Induction of vitellogenin synthesis in juvenile striped wolffish (*Anarhichas lupus* L.). In: Scott, A.P., J.P. Sumpter, D.E. Kime, and M.S. Rolfe (Eds.) Proceedings of the Fourth International Symposium on the Reproductive Physiology of Fish. University of East Anglia, Norwich, U.K., 7-12 July 1991.
- Hjartarson, S.V., E. Moksness, B. Th. Björnsson and B. Norberg 1993. Induction of vitellogenin synthesis by estradiol-17 β in juvenile striped wolffish (*Anarhichas lupus* L.). World Fisheries Congress, i Athen, Hellas, 3-8 mai 1992.
- Høie, H., A. Folkvord, A. Johannessen and E. Moksness 1996. genetic and enviromental effects on hatch-check size and formation in herring (*Clupea harengus* L.) otoliths. American Fisheries Society, 13-19 juni 1996, New Orleans, USA
- Iversen, S. and E. Moksness 1990. A preliminary study of microstructure in otoliths of sea-caught mackerel (*Scomber scombrus* L.) larvae. ICES CM 1990/H:4. 1-10 [Mimeo].
- Ivarfjord, T., Pedersen, T., Moksness, E. 2004. Do capelin larvae deposit daily increments in their otoliths?. ICES CM 2004/DD:09, 12 pp.
- Jakobsen, R., Pedersen, T., Moksness, E., 2004. Growth, age- and size distributions of capelin larvae in the Barents Sea investigated by otolith analysis. ICES CM 2004/DD:08
- McCurdy, W.J. and E. Moksness 1997. The establishment of EFAN - The European network of fish ageing laboratories. ICES CM 1997/HH:01 (Poster)
- Moksness, E., 1980. Survival, growth and food uptake of capelin larvae (*Mallotus villosus*) in a constructed basin, compared with laboratory and field observations. Symposium on Enclosed Marine Experimental Ecosystems, August 13-16, 1980, Institute of Ocean Sciences, Sidney, British Columbia, Canada, 1-15, 9 fig. and 2 tab. (Mimeo.)
- Moksness, E. 1983. Spawning of haddock (*Melanogrammus aeglefinus* L.) in captivity. New experiments in 1983. ICES CM 1983/G: 24,1-4, 5 fig. and 4 tab. (Mimeo.)
- Moksness, E. 1983. Sexual experience in cod (*Gadus morhua* L.) and haddock (*Melanogrammus aeglefinus* L.) ICES CM 1983/G: 39, 1-7, 4 fig. and 4 tab. (Mimeo.)
- Moksness, E. 1984. Laboratory Experiments with haddock. ICES Working Group on Larval Fish Ecology, Hirtshals, Denmark, 25-27 June 1984.
- Moksness, E. 1987. Fish larvae investigations in Norway. ICES Working group on Larval Fish Ecology, Hirtshals, Denmark, 17-19 Juni 1987. 7 pp.
- Moksness, E. 1988. The effect of the 1983 herring year-class on the 1983 capelin year-class. ICES/CM 1988/H:53. (Poster session "Death in sea")
- Moksness, E. 1989. Mesocosms studies with herring (*Clupea harengus*) in Norway. The Sixth Pacific herring workshop. Seattle, 2-3 February 1989.

- Moksness, E. 1989. Current herring (*Clupea harengus*) research in Northern Europe. The Sixth Pacific herring workshop. Seattle, 2-3 February 1989.
- Moksness, E. 1990. Final report to BPNorge A/S on the project "Cultivation of wolffish". 48 sider.
- Moksness, E. 1990. Manual for OPS (Otolith Population Statistics). A Apple Macintosh software program, OPS 2.16, included. Flødevigen Meldinger Nr. 5: 1-35.
- Moksness, E. 1996. Economic Evaluation of Marine Ranching. INTERNATIONAL SYMPOSIUM ON MARINE RANCHING, Kanazawa, Ishikawa, Japan, 13 - 16 September 1996
- Moksness, E. 2000. Final report to EU on the prosjekt "Precision and Accuracy of tools in Recruitment Studies" (PARS), 1997 – 2000. FAIR-CT96-1371. 335 pp
- Moksness, E. 2000. Final report to EU on the European Fish Ageing Network (EFAN), 1997 – 2000. Concerted Action (CA). FAIR-CT96-1304. 38 pp
- Moksness, E. 2006. Final report to EU on the Towards Accreditation and Certification of Age Determination of Aquatic Resources (TACADAR), 2002 - 2006. Concerted Action (CA). Q5CA-2002-01891. 82 pp
- Moksness, E. and S. Campana 1990. The intercalibration exercise on otolith microstructure. Report to the ICES working group on Recruitment Processes. 32 pp. [Mimeo].
- Moksness, E. and J. Gjøsæter 1987. Half-year report 1987 to BPNorge A/S on the project "Cultivation of wolffish". 36 sider.
- Moksness, E., J. Gjøsæter and T. Johannessen 1988. Annual report 1987 to BPNorge A/S on the project "Cultivation of wolffish". 46 sider.
- Moksness, E., J. Gjøsæter, T. Johannessen and M. Nijhof. 1988. Half-year report 1988 to BPNorge A/S on the project "Cultivation of wolffish". 21 sider.
- Moksness, E., J. Gjøsæter and T. Johannessen 1989. Annual report 1988 to BPNorge A/S on the project "Cultivation of wolffish". 54 sider.
- Moksness, E., J. Gjøsæter and T. Johannessen 1988. Half-year report 1989 to BPNorge A/S on the project "Cultivation of wolffish". 7 sider.
- Moksness, E. and T. Johannessen 1988. Herring (*Clupea harengus*) larvae investigations in the Skagerrak area, December 1987 to March 1988. A preliminary report. ICES CM 1988/H:20, 1-17.
- Moksness, E., Ø Lie, G. Rosenlund, H. Hustveit, G.I. Hemre and S. Øines 1992. Final report on the project "Feed for wolffish (*Anarhichas* sp.)" 16 sider.
- Moksness, E. and J. Riis-Westergaard. 1982. Spawning of haddock (*Melanogrammus aeglefinus*) in captivity. ICES CM 1982/G: 30, 1-9, 3 fig. and 2 tab. (Mimeo.)
- Moksness, E. and J. Riis-Vestergaard 1982. Spawning of haddock (*Melanogrammus aeglefinus* L.). Flødevigen Rapportserie 2: 1-9.
- Moksness, E., K. Rukan, L. Ystanes, A. Folkvord and A. Johannessen 1993. Comparison of somatic and otolith growth in North Sea herring (*Clupea harengus*) larvae; Evaluation of growth dynamics in mesocosms. Symposiet "New Directions in Otolith Research and Application" i Hilton Head, South Carolina, USA, Februar 1993. (Submitted)
- Moksness, E. and J.R. Selvik, 1984. The size, developmental periods and buoyancy of eggs and larvae of haddock (*Melanogrammus aeglefinus* L.) spawned in captivity. ELH/LFC-Symposium, May 6-10, 1984 - Vancouver, Canada, Session: Development: 20 pp.
- Moksness, E. and D. Stefanussen 1990. Growth rates in cultured common wolffish (*Anarhichas lupus*) and spotted wolffish (*A. minor*). ICES CM 1990/F:2. 1-9 [Mimeo].
- Moksness, E. and E. Torstensen, 1985. The buoyancy of sprat (*Sprattus sprattus*) eggs and larvae in the Skagerrak area. ICES CM 1985/L:6, 1-12, 8 figs. and 1 tab. (Mimeo.)

- Moksness, E. and V. Øiestad, 1979. Growth and survival experiments with capelin larvae (*Mallotus villosus*) in a basin and in plastic bags. ICES CM 1979/F: 53, 1-10, 4 fig. and 6 tab. (Mimeo.)
- Moksness, E. and V. Øiestad, 1985. Growth and survival of Atlanto-Scandian herring larvae (*Clupea harengus*) and capelin larvae (*Mallotus villosus*) and their interaction in a mesocosm study. Minisymposium: "Closed experimental systems, their use in ecological research, particularly of fish larvae", London 1985.
- Moksness, E. and V. Wespestad 1988. Ageing and back-calculating growth rate of Pacific herring (*Clupea harengus pallasi*) larvae by reading daily otolith increments. Proceedings from Workshop on "Year class variations as determined from pre-recruit investigations, Bergen, Norway, 28-30 September 1988: 541-552.
- Moksness, E., R. Støle and G. van der Meer 1996. Profitability analysis of sea ranching with Atlantic Salmon (*Salmo salar*), Arctic charr (*Salvelinus alpinus*) and European lobster (*Homarus gammarus*) in Norway. International Symposium on Marine Stock Enhancement: A New Perspective, November 21-23 1996, Sarasota, Florida, USA
- Munk, P., D.S. Danielssen, P.O. Larsson and E. Moksness 1993. Distribution of larval and juvenile cod in relation to hydrographic fronts in the areas of northwestern North Sea, Skagerrak and Kattegat. ICES 1993 Symposium on Cod and Climate Change. Reykjavik, Iceland, 23-27 August 1993.
- Øiestad, V. and E. Moksness, 1979. Interaction between Atlanto-Scandian herring larvae (*Clupea harengus* L.) and capelin larvae (*Mallotus villosus*) in a concrete enclosure experiment. ICES CM 1979/F: 52, 1-10, 3 fig. and 1 tab. (Mimeo.)
- Øiestad, V. and E. Moksness, 1979. Study of growth and survival of herring larvae (*Clupea harengus*) using plastic bag and concrete enclosure methods combined. Symp. Early Life History of Fish., Int. Coun. Explor. Sea, April 1979: 1-15, 2 fig. and 10 tab. (Mimeo.)
- Øines, S. and E. Moksness, 1991. The growth response of turbot (*Scophthalmus maximus*) and wolffish (*Anarchichas lupus*) on two different qualities of fish meal. Symposium on fish nutrition and feeding. Biarritz, France, 24-27 June 1991. 1pp.

Norwegian reports

- Anon. 1992. Report from the annual meeting in Program 3 «Reproduction and Recruitment» 12-13 november.
- Anon. 1993. Report from the annual meeting in Program 3 «Reproduction and Recruitment» 10-12 november.
- Anon. 1994. Report from the annual meeting in Program 3 «Reproduction and Recruitment» 10-11 november.
- Anon. 1995. Report from the annual meeting in Program 3 «Reproduction and Recruitment» 9-10 november.
- Andersen, T. og E. Moksness 1987. Med harddisk til lands, til vanns og i luften. Datatid nr 4:166-167.
- Andersen, T. og E. Moksness 1988. Manual for dagsovelesning ved bruk av datamaskin. Et Apple Macintosh program, OTO 1.05, inkludert. Flødevigen Meldinger Nr. 4: 1-36.
- Anon. 1986. Manual til bruk ved 0-gruppe tokt i Barentshavet. Bunnfisk-Nord. Fiskeridirektoratet Havforskningsinstituttet, Bergen. 20 sider.
- Anon. 1987. Manual til bruk ved silde-tokt i Skagerrak. Fiskeridirektoratets Havforskningsinstitutt, Statens Biologiske Stasjon Flødevigen. 21 sider.
- Anon. 1988. Manual for 0-gruppe sei tokt i Nordsjøen og Norskehavet, april-mai. Bunnfisk-Nord/Bunnfisk-Sør, Fiskeridirektoratets Havforskningsinstitutt. 26 sider.

- Johannessen, T., Ø. Lie, J. Gjøsæter, R. Hole og E. Moksness 1989. Sluttrapport på NFFR-prosjektet "Fór til steinbit" (NFFR nr. V 703.011). 8 sider.
- Jørstad, K.E., O.R. Godø, E. Moksness and J. Reisegg, 1981. Krysning-forsøk mellom skrei og kysttorsk. Crossing experiments between Arctic and coastal cod. Fisken og Havet, ser. B. 1981 (2): 17-30 (in Norwegian)
- Moksness, E. 1978. Bassengstudier av torskelarvens næringsvalg, vekst og overleving, fra klekking til metamorfose. Thesis, Univ. of Bergen, 73 pp.
- Moksness, E. 1984. Rekrutteringsmekanismen hos hyse. Sluttrapport NFFR prosjekt I 703.02.
- Moksness, E. 1987. Forsøk med overvintring av regnbuørret (*Salmo irredus*) og laks (*Salmo salar*) på sørlandet. Flødevigen Meldinger 3, 1987: 1-12.
- Moksness, E. 1987. Bruker-manual til Data-anlegget. Fiskeridirektorates Havforskningsinstitutt, Statens Biologiske Stasjon Flødevigen. 59 sider.
- Moksness, E. 1987. Manual til Steinbit-prosjektet. Fiskeridirektorates Havforskningsinstitutt, Statens Biologiske Stasjon Flødevigen. 65 sider.
- Moksness, E. 1988. Manual til Alarm-anlegget. Fiskeridirektorates Havforskningsinstitutt, Statens Biologiske Stasjon Flødevigen. 10 sider.
- Moksness, E. 1988. Manual til Lys-anlegget. Fiskeridirektorates Havforskningsinstitutt, Statens Biologiske Stasjon Flødevigen. 5 sider.
- Moksness, E. 1988. Manual til Video-anlegget. Fiskeridirektorates Havforskningsinstitutt, Statens Biologiske Stasjon Flødevigen. 10 sider.
- Moksness, E. 2003. Veileder i marin-økologisk planlegging i kystsonen. Vann, 4: 346-349.
- Moksness, E. og J. Gjøsæter 1986. Halvårs-rapport for 1986 til BPNorge A/S på prosjektet "Oppdrett av Steinbit". 4 sider
- Moksness, E. og J. Gjøsæter 1987. Års-rapport for 1986 til BPNorge A/S på prosjektet "Oppdrett av Steinbit". 15 sider
- Moksness, E., Johanssen, O. og Johanssen, S. 1986. Forsøk med overvintring av regnbuørret (*Salmo irredus*) på sørlandet. Flødevigenmeldinger 6, 1986: 1-11.
- Moksness, E. and V. Øiestad, 1980. Merkeforsøk med 0-gruppe kysttorsk (*Gadus morhua* L.) drettet opp i et utendørs basseng. Tagging experiments on 0-group coastal cod (*Gadus morhua* L.) reared in an outdoor basin. Fisken og Havet, ser. B, 1980 (4): 11-20.
- Moksness, E., S. Olsen og G. Ståhl. 1986. Om produksjon av marin fiskeyngel og deres anvendelse. Notat til NFFR. :1-13.
- Moksness, E. and V. Øiestad, 1981. Bassengforsøk på marin fiskeyngel. Sluttrapport NFFR prosjekt I 701.36, 60 pp.
- Diverse halv- og helårsrapporter til NFFR innen NFFR-prosjektene I 701.11, I 701.36 og I 703.02
- Diverse toktrapporter innen prosjektene "Sild i Skagerrak" og "Alger og fiskelarver i Skagerrak".

Popular article

- Gjøsæter, J. og E. Moksness 1986. Steinbit, en fremtidig marin oppdrettsfisk. Norsk Fiskeoppdrett nr. 5 : 32-33.
- Gjøsæter, J. og E. Moksness 1987. Atferd av steinbit i fangenskap. Norsk Fiskeoppdrett, 1987 (12): 30-32.
- Gjøsæter, J. og E. Moksness 1990. Atferd av steinbit i fangenskap. Norsk Fiskeoppdrett 10A: 10-13.
- Gjøsæter, J., T. Johannessen og E. Moksness 1988. Steinbit - optimisme, men også problemer. Nordisk Aquakultur 2/88: 18-19.
- Johannessen, T. og E. Moksness 1990. Gyteatferd hos gråsteinbit. Norsk Fiskeoppdrett 10A: 8-9
- Gjøsæter, J. K. Lønnhaug og E. Moksness 1990. Vekst av steinbit i Skagerrak. Norsk Fiskeoppdrett 10A: 16-17.
- Moksness, E. 1982. Lodde. Agderposten 4-12-1982
- Moksness, E. 1983. Gyting hos hyse. Agderposten 12-3-83
- Moksness, E. 1986. Tilapia - oppdrettsfisk nr. 1 i verden. Fiskets Gang nr. 1: 7-8.
- Moksness, E. 1986. S.A.R.P. et internasjonalt samarbeid. Fiskets Gang nr.5 : 170-171.
- Moksness, E. 1986. Hva ørestein hos fisk kan fortell oss. Fiskets Gang nr. 6/7 : 204.
- Moksness, E. 1986. Utsetning av marine fiske-ungel i USA. Fiskets Gang nr. 10 : 319.
- Moksness, E. 1990. Steinbit; Fangst og priser. Norsk Fiskeoppdrett 10A: 32-34.
- Moksness, E. 1990. Steinbit; Stamfisk, gyteperioder og startfóring av larver. Norsk Fiskeoppdrett 10A: 6-7.
- Moksness, E. 1990. Tilvekstforsøk med gråsteinbit og flekksteinbit. Norsk Fiskeoppdrett 10A: 30-31.
- Moksness, E. 1993. Steinbit i kultur. Fiskets Gang, 7/8: 31-34.
- Steinarsson, A. og E. Moksness 1990. Oksygenforbruk og ammoniakk utskillelse hos steinbit. Norsk Fiskeoppdrett 10A: 20-21.

Lectures

- Moksness, E. 1983. Årsklassevariasjoner hos marine fisk. Kan forskning på egg og larver gi svar på dette. Norges Fiskeriforskningsråds åpne rådsmøte 9. mai 1983.
- Moksness, E. 1985. Startfóring av marine arter. Bruk av levende fór. NIF: Akvakultur - Bioteknologi 3-4 juni 1985, Rogaland Distriktshøgskole, Stavanger.
- Moksness, E. 1988. Steinbit i oppdrett; Muligheter og problemer. "Nye oppdrettsorganismer". Forskerseminar ved Nordlandsforskning, Høyskolesenteret i Nordland, Mørkved, Bodø 14.-15. Oktober 1988. 31 sider.
- Moksness, E. 1989. Forelesnings-notater "Oppdrett av fisk"; med spesiell vekt på marine arter. 133 sider.
- Moksness, E. 1990. Steinbit. NAFO: Teknologiske utfordringer ved oppdrett av marin fisk, Svolvær, 21. - 23. Februar 1990. 28 sider.
- Moksness, E. 1990. Marine fisk's biologi, med referanse til torsk og steinbit. Den Norske Veterinærforening; Marine arter - oppdrettsmiljø - sykdom. Bergen, 24 - 28 September 1990. 18 sider.
- Moksness, E. 1990. Steinbit i kultur - begrensninger og muligheter. Havbrukskunnskap. Bergen, 27-28 September 1990. 9 sider.
- Moksness, E. 1991. Praktisk oppdrett og havbeite av torsk og steinbit. Nasjonal konferanse - Aqua Nor 91 - Trondheim, 9 - 14 August 1991. 24 sider.
- Moksness, E. 1992. Kultivering av marin fisk. Forelesnings-kompendie, Norges Veterinærhøgskole. 162 sider.

- Moksness, E. 1994. Kultivering av marin fisk. Forelesnings-kompendie, Norges Veterinærhøgskole. 194 sider.
- Moksness, E. 1996. Kultivering av marin fisk. Forelesnings-kompendie, Norges Veterinærhøgskole. 205 sider.