

Anne Maria Eikeset

Curriculum vitae

Centre for Ecological and Evolutionary Synthesis (CEES)
Dept. of Biosciences, University of Oslo, 0316 Oslo, Norway

Department of Ecology and Evolutionary Biology,
Princeton University, Princeton, NJ 08544, USA
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Date and place of Birth: 16.11.1977, Lørenskog, Norway
Family: Married with two children, born 2011 and 2014 (maternity leave altogether 16 months)

CURRENT POSITIONS

2014-present **Researcher**
Centre for Ecological and Evolutionary Synthesis (CEES), University of Oslo
2014-present **Visiting research scholar**
Department of Ecology and Evolutionary biology, Princeton University, U.S.A

PREVIOUS ACADEMIC POSITIONS

2010-2013 **Post-doctoral research fellow**
Centre for Ecological and Evolutionary Synthesis (CEES), University of Oslo
2012-2013 **Visiting post-doctoral research fellow (Advisor: Simon Levin)**
Department of Ecology and Evolutionary Biology, Princeton University, U.S.A
2006-2010 **Ph.D. fellow (Advisor: Nils Chr. Stenseth)**
Centre for Ecological and Evolutionary Synthesis (CEES), University of Oslo
2004-2006 **Research assistant**
Time-series analyses of lemming cycles and fish stocks.
Centre for Ecological and Evolutionary Synthesis (CEES), University of Oslo
2005 **Young scientist summer program in Adaptive Dynamics Network**
International Institute for Applied Systems Analysis, Austria
2004 **Assistant teacher**
Undergraduate courses in ecology, Dept. of Biology, University of Oslo
2004 **Teacher in biology**
Upper secondary school, Oslo Katedralskole, Oslo, Norway
2001-2004 **Research assistant**
Metapopulation studies on root voles. Dep. of Biology, University of Oslo

EDUCATION

2006-2010 **PhD thesis.** *The ecological and evolutionary effects of harvesting Northeast Arctic cod - Insights from economics and implications for management*
Centre for Ecological and Evolutionary Synthesis (CEES), University of Oslo. Advisor: Nils Chr. Stenseth.
2001-2003 **Cand.scient.** (M.Sc. equiv) in zoology and ecology. *Social organization, male behaviour and their influence on population demography of root voles *Microtus oeconomus*.*
Dep. of Biology, University of Oslo, University of Svalbard. Advisor: Rolf Anker Ims.
1997-2001 **Cand.mag.** (B.Sc. equiv) in biology. Dep. of Biology, University of Oslo

AWARDS

2011 His Majesty the King's Gold Medal for PhD thesis
Recognized as an effective contribution to the research literature in its field
(<http://www.uio.no/om/tall-og-fakta/uio-priser/kongens-gullmedalje/>)
2005 Peccei Scholarship. Young Scientist Summer Program 2005, IIASA
(<http://www.iiasa.ac.at/Admin/YSP/scholar.html>)

GRANTS, PROJECTS AND RESPONSIBILITY

- 2014-2017 The Nordic research council (\$5 mill). Title: Green growth based on Marine resources: Ecological and Socio-Economic constraints (*GreenMar*). **Co-PI** (PI: Nils Chr. Stenseth). Before funded, responsible for designing and writing the proposal. After funded, being the main responsible for running the project.
- 2010-2015 The Norwegian Research Council & Norwegian Minister of foreign affairs (\$1.9 mill). Title: Adaptive management of living marine resources by integrating different data sources and key ecological processes (*ADMAR*). **Work-package leader**.
- 2012 The Faculty of Mathematics and Natural Sciences at the University of Oslo, Kristine Bonnevie stipend (\$6200). Title: Eco-evolutionary dynamics in exploited fish stocks – implications for management. **PI**.
- 2013 The Norwegian Research Council (\$32000). Title: Eco-evolutionary dynamics in exploited fish stocks – implications for management. **PI**.
- 2014 The Department of biological sciences, University of Oslo (\$31000). Support to female academic staff upon return from maternity leave and for stays abroad. **PI**.

SELECTED PUBLICATIONS

1. Paasche, Ø., Österblom, H., Neuenfeldt, S., Bonsdorff, E., Brander, K., Conley, D., Durant, J.M., **Eikeset, A.M.**, Goksøyr, A., Jónsson, S., Kjesbu, O.S., Kuparinen, A., N.C. Stenseth (2015). Connecting the Seas of Norden, *Nature climate change*. 5, p.89–92. doi:10.1038/nclimate2471
2. Dunlop, E., **Eikeset, A.M.**, Stenseth, N.C. From genes to populations: how fisheries-induced evolution alters stock productivity (2015). *Ecological Applications*. In press. <http://dx.doi.org/10.1890/14-1862.1>.
3. Romagnoni, G., Mackinson, S., Hong, S. and **Eikeset, A.M.** (2015). The Ecospace model applied to the North Sea: evaluating spatial predictions with fish biomass and fishing effort data. *Ecological Modelling*. ISSN: 03043800. 300, pp. 50-60 DOI: 10.1016/j.ecolmodel.2014.12.016.
4. **Eikeset, A.M.**, Richter, A., Dunlop, E., Dieckmann, U. & Stenseth, N.C.(2013). Economic repercussions of fisheries-induced evolution. *Proceedings of the National Academy of Science of the United States of America*. ISSN 0027-8424. 110(30), p.12259- 12264 . doi: 10.1073/pnas.1212593110 . Highlighted in *Science Perspective*, Belgrano & Fowler 2013. doi: 10.1126/science.1245490; PNAS First Look Blog, by Robert Frederick; Science Daily; The Fish Site; Psy.Org; Science 2.0; Fish Information & Services
5. **Eikeset, A.M.**, Richter, A., Dankel, D., Dunlop, E., Heino, M., Dieckmann, U. & Stenseth, N.C (2013). A bio-economic analysis of harvest control rules for the Northeast Arctic cod fishery. *Marine Policy*. ISSN 0308-597X. 39, p.172- 181 . doi: 10.1016/j.marpol.2012.10.020
6. Brinch, C., **Eikeset, A.M.** & Stenseth, N.C. (2011). Maximum likelihood estimation in nonlinear structured fisheries models using survey and catch-at-age data. *Canadian Journal of Fisheries and Aquatic Sciences*. ISSN 0706-652X. 68(10), p.1717- 1731 . doi: 10.1139/F2011-085
7. **Eikeset, A.M.**, Richter, A., Diekert, F., Dankel, D. & Stenseth, N.C. (2011). Unintended consequences sneak in the back door: making wise use of regulations in fisheries management, In Andrea Belgrano & Charles Fowler (ed.), *Ecosystem Based Management for Marine Fisheries: An Evolving Perspective*. Cambridge Academic, ISBN 0521519810, p.181-217
8. Diekert*, F., **Eikeset***, **A.M.** & Stenseth, N.C. (2010). Where could catch shares prevent stock collapse? *Marine Policy*. ISSN 0308-597X. 34(3), p.710- 712 . doi: 10.1016/j.marpol.2009.09.006 (*joint first authors).
9. Kausrud, K, Mysterud, A., Steen, H., Vik, J., Østbye, E., Cazelles, B., Framstad, E., **Eikeset, A.M.**, Mysterud, I., Solhøy, T. & Stenseth, N.C. (2008). Linking climate change to lemming cycles. *Nature*. ISSN 0028-0836. 456(7218), p.93- 97 . doi: 10.1038/nature07442
10. Hjermmann, D.Ø., Melsom, A., Dingsør, G., Durant, J.M., **Eikeset, A.M.**, Røed, L.P., Ottersen, G., Storvik, G. & Stenseth, N.C. (2007). Fish and oil in the Lofoten-Barents Sea system: synoptic review of the effect of oil spills on fish populations. *Marine Ecology Progress Series*. ISSN 0171-8630. 339, p.283- 299

TEACHING

Supervisor

- 2011-present PhD-student Giovanni Romagnoni (*In NorMER*). Main supervisor responsibility.
2014-present PhD-student Anna-Marie Winter (*In GreenMAR*). Main supervisor responsibility.
2014-present Master student David Felipe Rivas Sánchez
2012 Node-supervisor for PhD-student Alexandros Kokkalis from DTU Aqua, Copenhagen, on research visit to Oslo through *NorMER*: From this visit, a paper is soon ready for submission.

Assistant teacher

- 2004 Undergraduate courses in ecology, Dep. of Biology, University of Oslo

INVITED SPEAKER

- 2010 Nordic Marine Academy, PhD-course. *Bio-economic models and their use in deriving harvest control rules*
2012 American fisheries society. *Making harvest control rules robust towards environmental variation and perturbations*
2013 The 11th INTECOL Congress in ecology: Into the next 100 years. *Eco-evolutionary dynamics and adaptations to climate and fishing in Northeast Arctic cod - implications for management and society*

DISSEMINATION ACTIVITIES

Popular science articles, interviews

- **Eikeset, A.M.** (2014). Et norsk torskemirakel? Fiasko i Canada – suksess i Norge. *Aftenposten*, 26.05.2014.
- **Eikeset, A.M.** and Stenseth, N.C. (2013). Fishing and the interplay with ecology, evolution and economics. *META* (Notur - The Norwegian metacenter for computational science). Issue 1/13.
- Diekert, F.K., **Eikeset, A.M.**, Hjermann, D.Ø. & Stenseth, N.C (2010). Utvid maskevidden. *Aftenposten*. ISSN 0804-3116, p.7.
- Stenseth, N.C. Kausrud, K.L., Rueness, E.K. Wallem, T. **Eikeset, A.M.**, Høiland, K. (2008). Kritikken mot Darwin. *Dagsavisen* 20.11.2008, p.5.
- **Eikeset, A.M.** (2007). Veslevoksen torsk bekymrer forskerne. *The Norwegian Research Councils news*.
- Stenseth, N.C, Hjermann, D.Ø. & **Eikeset, A.M.** (2007). Hva skjer med fisken? *Aftenposten*. ISSN 0804-3116.
- **Eikeset, A.M.** (2006). Inspirerende opphold ved IIASA. The Norwegian Research Council.
- **Eikeset, A.M.**, Dunlop, E., Stenseth, N.C: & Dieckmann, U. (2006). A study on the evolutionary and economic impacts of fishing in Northeast Arctic cod (*Gadus morhua*). *GLOBEC International Newsletter*.

Public engagement: events

- 2009 Keynote speaker at “Forskingsdagene” on the topic harvesting, sustainability and evolution, Oslo.
2010 Speaker at “The biological diversity day” (Biomangfolddagen), University of Oslo.
2010 Introducing the movie “End of the line” for Documentary movies, Oslo.

BOARDS

- 2011-present Member of Arctic Fisheries Working Group, International Council for Exploration of the Sea
2012 Member of the committee for the International Statistical Ecology Conference
2005-2008 Board member in Department of Biology, University of Oslo.
2005-2009 Acting and vice-chair in Norwegian Biologist organization (BIO)
2004 Board member in committee for the Norwegian student organization’s Peace Festival

RELEVANT COURSES

- 2013 Project management and project methodology for young researchers, University of Oslo.
2013 Research communication, given by newspaper *Aftenposten* at the University of Oslo.

ONGOING collaborative projects within the *CONNECTING-the-ARCTIC* network:

Eikeset, A.M., Levin, S.A & Bonachela, J.A: Social-ecological foodwebs: evolving fish and competing fishermen.