

## **Curriculum vitae for Nils Chr. Stenseth**

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**Date and place of birth:** July 29, 1949; Fredrikstad, Norway.

**Citizenship:** Norwegian

**Positions:** 1972-1975: Research Associate in the Norwegian IBP (International Biological Programme).

1975-1978: Res Associate at the Univ of Oslo (zoology; population dynamics; evolution; modelling).

1979-1982: Associate Prof of Ecology at the Univ of Lund, Sweden (1980-1982, only part time position).

1980-1989: Associate Prof of Population Dynamics at the University of Oslo (from 1985 as full professor).

1990-present: Professor of Zoology at the University of Oslo.

2000-present: Senior/Chief Scientist II, Institute of Marine Research.

### **Awards and membership in closed societies:**

- Fridtjof Nansen award for work on Evol Biology (1985).
- Elected member of the Norwegian Academy of Science and the Letters (1986).
- Elected as Chair of the Centre for Advanced Study for studying the “lemming problem” (1996-1997).
- The University of Oslo award for outstanding performance in science (Class of Natural Sciences and Medicine) (1996; the associated grant covers the years 1996-1999).
- The Research Council of Norway award for outstanding research (2000).
- Honorary Doctor (*doctor honoris causa*) of the University of Antwerpen, Belgium (2001).

### **Ten recent publications during the last five years**

- STENSETH,N.C. Chan,K.-S., Tong,H., Boonstra,R., Boutin,R., Krebs,C.J., Post,E., O'Donoghue,M., Yoccoz,N.G., Forchhammer,M.C. & Hurrell,J.W. 1999. Common dynamic structure of Canada lynx populations within three climatic regions. *Science* **285**, 1071-1073.
- Hansen,T., STENSETH,N.C. & Henttonen,H. 1999. Multiannual vole cycles and population regulation during long winters: an analysis of seasonal density dependence. *Am Nat* **154**, 129-139.
- Post,E., Forchhammer,M.C., STENSETH,N.C. & Callaghan,T.V. 2001. The timing of life history events in a changing climate. *Proceedings of Royal Society of London, B.* **268**, 15-23.
- Mysterud,A., STENSETH,N.C., Yoccoz,N.G. & Langvatn,R. 2001. Non-linear effects of large-scale climatic variability on wild and domestic herbivores. *Nature* **410**, 1096-1099.
- Haydon,D.T., STENSETH,N.C., Boyce,M.S. & Greenwood,P.E. 2001. Phase coupling and synchrony in the spatio-temporal dynamics of muskrat and mink populations across Canada. *Proceedings of National Academy of Science, Washington* **98**, 13149-13154.
- Lima,M, STENSETH,N.C. & Jaksic,F. 2002. Food web structure and climate effects in the dynamics of small mammals and owls in semiarid Chile. *Ecology letters* **5**, 273-284.
- STENSETH,N.C., Mysterud,A., Ottersen,G., Hurrell,J.W., Chan,K.-S. & Lima,M. 2002. Ecological effects of climate fluctuations. *Science* **297**, 1292-1296.
- STENSETH,N.C., Kittilsen,M.O., Hjermann,D., Viljugrein,H. & Saitoh,T. 2002. Interaction between seasonal density-dependence structures and length of the seasons explain the geographic structure of the dynamics of voles in Hokkaido: an example of seasonal forcing. *ProcRoySocB* **269**, 1853-1863.
- Mysterud,A., STENSETH,N.C., Yoccoz,N.G., Ottersen,G. & Langvatn,R. 2003. Response of terrestrial ecosystems to climate variability associated with the North Atlantic Oscillation. In Hurrell,J., Kushnir,Y., Ottersen,G. & Visbeck,M. (eds). *The North Atlantic Oscillation (NAO)*, NGU Monogs 235-262.
- STENSETH,N.C., Ottersen,G., Hurrell,J.W., Mysterud,A., Lima,M., Chan,K.-S., Yoccoz,N.G. & Ådlandsvik, B. 2003. Studying climate effects on ecology through the use of climate indices: the North Atlantic Oscillation, El Niño Southern Oscillation and beyond. *ProcRoySocB* (in press).

### **The research group chaired by Prof. Stenseth**

The team chaired by Prof. Stenseth at the Dept of Biology of the Univ of Oslo is an internationally well-recognized group. The team is contributing in a synthesis of researches in ecology, molecular biology, genetics and evolution. Terrestrial, marine and fresh-water ecosystems are explored using a variety of statistical methods and models. Its main focus is to contribute to a better understanding of how animal populations are structured according to time and space by intrinsic and extrinsic (such as climatic fluctuations) processes through a variety of high quality data from a wide array of ecological systems. Although the main focus is primarily is on theoretical aims, the team is also involved in several more applied problems (such as resource management and pest control). The “Oslo group” has become an intellectual melting pot where ecologists, biologists, geneticists and statisticians meet in a creative and mutually beneficial scientific environment. Stenseth is the coordinator of the EU-project STEPICA.

Altogether Stenseth has, together with his colleagues) authored more than one hundred articles in top-level peer-reviewed journals (*e.g. Nature, Science, Proc.Nat.Acad.Sci.USA*) during the last five years.