**Curriculum vitae with track record for Nils Chr. Stenseth**

**PERSONAL INFORMATION**

Family name, First name: Stenseth, Nils Christian
Date of birth: *29.07.1949*

Sex: M

Nationality: Norwegian

Researcher unique identifier: orcid.org/0000-0002-1591-5399

URL for personal web site: <http://www.mn.uio.no/cees/english/people/chair/nilsst/>

**EDUCATION**

*1978:* *Dr. Philos,* Disputation date 04.03.1978, University of Oslo, Norway

*1972*: *Cand. Mag.* University of Oslo (Biology, Zoology, Mathematics, Statistics, Computer Science and Chemistry)

**CURRENT AND PREVIOUS POSITIONS**

*2007-* Founding Chair of the Centre for Ecological and Evolutionary Synthesis (CEES, [www.mn.uio.no/cees](http://www.mn.uio.no/cees)) University of Oslo – awarded status as Centre of Excellence from 2007 to 2017 by the Research Council of Norway

*2004-* Research Professor of Ecology and Evolution at the University of Oslo

*1990-2003:* Professor of Zoology at the University of Oslo

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

*1979-1982:* Associate Prof of Ecology at the University of Lund, Sweden (1980-1982, part time)

*1975-1978:* Research Associate at the University of Oslo

**ADJUNCT POSITIONS**

*2014-* Scientific Advisor to National Center for Disease Control and Public Health, Georgia

*2014-* Member of the Scientific Council of the European Research Council (ERC)

*2013-* Professor II (honorary adjunct; unpaid), Addis Ababa University, Ethiopia

*2012-2014:* President of the International Union of Biological Sciences (IUBS)

*2012-* Professor II, University of Agder, Norway

*2011-2016* Founding Chair of NCoE NorMER (www.normer.org): a Nordic centre for research on marine ecosystems and resources under climate change

*2008-2014:* Elected Vice-President/President (alternating years) of the Norwegian Academy of Science and Letters, DNVA

*2003-2008:* Founding Chair of EcoClim-NCoE: a Nordic centre for the study of the dynamics of ecological systems under the influence of climatic variation (Universities of Oslo, Lund and Helsinki)

*2000-2016:* Senior/Chief Scientist II, Institute of Marine Research (Flødevigen, Norway)

*1990-1992:* Founding Director of Centre for Development and the Environment at the Univ. of Oslo

**FELLOWSHIPS AND AWARDS**

*2016:* Foreign member of the Russian Academy of Science

*2015:* Foreign member of the National Academy of Sciences, Washington, US; one of three currently active Norwegian scientists being a member of NAS

*2012:* The Research Council of Norway's Excellence in Communication of Science Award

*2012:* The Research Council of Norway's Excellence in Communication of Science Award

*2011:* Chevalier (Knight) in the French National Order of the Legion of Honour

*2011:* Honorary Doctor (Doctor Honoris Causa) of the École Normale Supéreure, Lyon, France

*2006:* Named Einstein Professor of the Chinese Academy of Science

*2005:* Fellow of the French Académie des Sciences; the only member resident in Norway

*2005:* Fellow of Academia Europaea

*2001:* Honorary Doctor (doctor honoris causa) of the University of Antwerpen, Belgium

*1986:* Elected Vice-president/President (alternating years) of the Norwegian Academy of Science and Letters, DNVA, 2009-2014. Elected member since 1986

**SUPERVISION OF GRADUATE STUDENTS AND RESEARCH FELLOWS**

Stenseth has trained a large number of students at various levels (a total of 50 PhDs) as well as post docs (65) – most of them on highly interdisciplinary topics, but with a solid anchoring in their field.

**INSTITUTIONAL RESPONSIBILITIES**

* Stenseth is the **founding chair** of the *Centre for Ecological and Evolutionary Synthesis* (*CEES*) at the University of Oslo (a national Centre of Excellence). The centre combines a broad spectrum of disciplines (see www.mn.uio.no/cees/english/about/).
* Stenseth plays key roles in **international scientific organizations**: this includes (1) President of the Forth European Mammal Congress (1999-2003); (2) President of the International Theriological/Mammalogical Congresses (ITC/IMC) (1997-2006); (3) Member of the Executive Committee of International Union of Biol Sci, IUBS since 2007 and President of IUBS since 2012 and (4) Member of the board of “the Sven Lovén Centre of Marine Sciences”, Gothenburg Univ (since 2008).
* Stenseth does **editorial work** for several journals, including: Associated Editor/Editor of *Proceedings of the Royal Society of London; Series B* (UK; 2005-2008; earlier Board Member of same journal from 1998-2003); Editor-in-Chief of *Climate Research* (Germany; since 2005); and Editorial Board Member of *Proceedings of the National Academy of Science* (*PNAS*; since 2017).

**COMMISSIONS OF TRUST**

*2017-* Member of the Scientific Advisory Board for the Institute of Marine Research, Bergen

*2015-* Member of the Scientific Advisory Board for the Dept. of Bio., Univ. of Copenhagen

*2014:* Invited to discussions with the Chief Science Advisors to Governments at the satellite conference to the ICSU conference in Auckland, New Zealand, 28-29 August, 2014

*2014-2017:* Member of the Scientific Council of the European Research Council (ERC)– the first and only Norwegian serving on that council

*2011-2015:* Member of the Council of Scientists of the Human Frontier Science Program (HFSPO)

*2011-2015:* Member of the Science Advisory Council (SAC) for the Georgian Central Public Health Reference Laboratory (GCPHRL); appointed by the Defence Threat Reduction Agency (DTRA) of the US Department of Defence

*2009-* Member of the Scientific Committee of DIVERSITAS

*2008-* Member of the Executive Committee of the International Society of Zool. Sciences

*2007-* Member of the Executive Committee of IUBS

*2007-2011:* Member of the standing panel “LS5 – Evolutionary, population and environmental biology” of the European Research Council

*2007:* Member of a review commission “Quality and Renewal 2007, an evaluation of research at Uppsala University”

*2001:* Member of a review commission organised by SRB in Sweden for evaluating evolutionary biology at seven Swedish universities

*1999:* Member of a review commission organised by Natural Environment Research Council (NERC) in the UK which resulted in the establishment of the Centre for Ecology & Hydrology (CEH) through the merging of three earlier institutions, the Institute of Terrestrial Ecology (ITE), the Institute of Freshwater Biology (IFB) and the Institute of hydrology (IH) (February and March 1999)

*1997-2006*: President of the International Theriological/Mammalogical Congresses (ITC/IMC)

**MAJOR COLLABORATIONS**

As documented from his full publication list (see link above) he has during his career collaborated with a large number of scientists worldwide, ranging from senior to junior researchers.

**TRACK RECORD**

**In total Stenseth has 621 publications** in a broad spectrum of biological disciplines, covering terrestrial, freshwater and marine systems as well as on theoretical issues. Publications include 16 in *Science*, 19 in *Nature* and 48 in *PNAS*. **Cited a total of 24 750 times** (22 200 excl. self citations);as such he is among Norway’s most cited scientists. **h-index: 76.** (Numbers as listed in *ISI Jan* 2018.) (According to *Google Scholar*: 39 165 citations and an h-index of 99.) For details see [www.mn.uio.no/cees/stenseth](http://www.mn.uio.no/cees/stenseth).

**A list of the top 10 publications last 10 years as senior author** (*Citations from ISI 14th Jan 2018)*

► Durant JM, Hjermann DO, Ottersen G, **Stenseth NC** (2007) Climate and the match or mismatch between predator requirements and resource availability. *Clim Res* 33:271-283 (355 citations)

► Kausrud KL, Mysterud A, Steen H, Vik JO, Ostbye E, Cazelles B, Framstad E, Eikeset AM, Mysterud I, Solhoy T, **Stenseth NC** (2008) Linking climate change to lemming cycles. *Nature* 456:93-U93 (214 citations)

► **Stenseth NC**, Atshabar BB, Begon M, Belmain SR, Bertherat E, Carniel E, Gage KL, Leirs H, Rahalison L (2008) Plague: Past, present, and future. *Plos Medicine* 5:9-13 (199 citations)

► Cazelles B, Chavez M, Berteaux D, Menard F, Vik JO, Jenouvrier S, **Stenseth NC** (2008) Wavelet analysis of ecological time series. *Oecologia* 156:287-304 (188 citations)

► Knudsen E, Linden A, Both C, Jonzen N, Pulido F, Saino N, Sutherland WJ, Bach LA, Coppack T, Ergon T, Gienapp P, Gill JA, Gordo O, Hedenstroom A, Lehikoinen E, Marra PP, Moller AP, Nilsson ALK, Peron G, Ranta E, Rubolini D, Sparks TH, Spina F, Studds CE, Saether SA, Tryjanowski P, **Stenseth NC** (2011) Challenging claims in the study of migratory birds and climate change. *Biol Rev* 86:928-946 (147 citations)

► Knutsen H, Olsen EM, Jorde PE, Espeland SH, Andre C, **Stenseth NC** (2011) Are low but statistically significant levels of genetic differentiation in marine fishes 'biologically meaningful'? A case study of coastal Atlantic cod. *Molec Ecol* 20:768-783 (101 citations)

► Edeline E, Carlson SM, Stige LC, Winfield IJ, Fletcher JM, Ben James J, Haugen TO, Vollestad LA, **Stenseth NC** (2007) Trait changes in a harvested population are driven by a dynamic tug-of-war between natural and harvest selection. *PNAS* 104:15799-15804 (96 citations)

► Liow LH, Fortelius M, Bingham E, Lintulaakso K, Mannila H, Flynn L, **Stenseth NC** (2008) Higher origination and extinction rates in larger mammals. *PNAS* 105:6097-6102 (78 citations)

► Ottersen G, Kim S, Huse G, Polovina JJ, **Stenseth NC** (2010) Major pathways by which climate may force marine fish populations. *J Mar Systems* 79:343-360 (74 citations)

► Liow LH, **Stenseth NC** (2007) The rise and fall of species: implications for macroevolutionary and macroecological studies. *Proceedings B* 274:2745-2752 (77 citations)

**Selected invited presentations:**

* Invited lecture 16.11.2016 at the Joint Meeting of the 22nd International Congress of Zoology & the 87th Meeting of the Zoological Society of Japan about “New Waves of Zoological Science in the 21st Century”, Okinawa, Japan: “Ecosystem dynamics, fishery and climate change: bringing Darwinian evolution, Eltonian population dynamics and genomics together into a united biology”
* Invited lecture 13.10.15 at University of Groningen: ”Medieval plague pandemics in Europe: Repeated climate-driven introductions from Central Asia”
* Invited lecture 10.10.15 at the Russia Science Festival, Lomonosov Moscow State University: ”Climate change and impact on emerging infectious diseases Plague as an example”
* Invited lecture 22.05.15 at “Disease and Global history”, University of Oxford: ”The climatic pulse of Asia: the Black Death and successive plague reintroductions into Europe” (Stenseth & Schmid)
* Invited lecture 6.11.14 at the 74th Annual Meeting of the Society of Vertebrate Paleontology, Germany: “Red Queen and Court Jester: biotic and abiotic interactions in ecology and evolution”
* Invited lecture 12.10.14 at Russian Science Festival “Coevolution in multispecies communities”
* Invited lecture 29.08.14 at World Science Week, New Zealand: “Pandemics and climate change”
* Invited lecture (the Ronald Fisher Lecture) 21.07.14 at Rothamsted Resarch: “Coevolution in multispecies communities: a Red Queen Perspective"
* Invited plenary speaker 24.06.13 at The Yersinia-11 meeting in Suzhou, China: “The interplay between ecology and evolution in host-vector-pathogen systems: Yersinia pestis as an example”
* Lectured 11.01.13 at the annual dinner of Ministers of Norw. Gov. (Oslo): “Knowledge beats it all”
* Invited plenary speaker 29.10.12 at the TRI conference in Helsinki: “Tackling Uncertainties of Climate Change Effects on the Marine Ecosystem”
* Delivered the 2011 Heinz Hafner Lecture 28.11.2011 in Tour du Valat: “Global climate change and ecological as well as evolutionary consequences”
* Invited keynote speech 02.06.2011 at the European Conference on Ecological Modelling 2011, Riva del Garda, Italy: “The hare and the lynx in the food web of the boreal forest of Canada”
* Delivered the annual Darwin lecture at the University of Glasgow (UK) on 10.02.2010: “Structuring of cod populations: a combined ecological and population genetics study”
* Delivered the Linacre lecture in Oxford (UK) 28.01.2010: “Plague: past, present and future”
* Invited plenary at the “Symposium on the Ecology of Plague and its Effects on Wildlife – the Effect of Climate Variation” (CSU, Fort Collins, 04-06.11.2008)
* Invited plenary at "New and re-emerging Diseases, population and Climate", COSMOCAIXA (Barcelona, 15-17.11.2006): “Climate change and plague epidemics”
* Invited speaker at the Joint Statistical Meeting (Minneapolis, 07-10.08.2005). “Recent Advances of Statistical Methodologies for Assessing Environmental Effects on Ecological Systems”

**Major contributions to the early careers of excellent researchers**

Many of his students and post docs have gone on to become very successful scientists, e.g., Ottar N. Bjørnstad is now a Professor at Penn State University, USA, Stephanie M. Carlson is an Assistant Professor at the University of California, Berkeley, USA, Rolf Ims is a Professor at the University of Tromsø, Norway, and Atle Mysterud and Thomas F. Hansen are both Professors at the University of Oslo, Norway. For a more extensive list, see: http://www.mn.uio.no/cees/english/people/chair/nilsst/progeny.html.)

Stenseth has throughout his career been involved in creating effective training environments and networks for young researchers. For the past 10 years this includes CEES (“Centre for Ecological and Evolutionary Synthesis”: www.mn.uio.no/cees), *NorMER* (“Nordic Centre for Research on Marine Ecosystems and Resources under Climate Change”: www.normer.uio.no), and *SUSTAIN* (“Sustainable management of renewable resources in a changing environment”: http://www.mn.uio.no/cees/english/research/projects/sustain).