

My publications on how climate variation affect ecological and evolutionary patterns and processes include

- ▶ **Stenseth NC**, Payne MR, Bonsdorff E, Dankel DJ, Durant JM, Anderson ØG, Armstrong CW, Blenckner T, Brakstad AD, Dupont S, Eikeset AM, Goksøyr A, Jónsson S, Kuparinen A, Våge K, Österblom H, Paasche Ø. 2020 Attuning to a changing ocean *National Academy of Sciences of the United States of America*
- ▶ Cui, Y., Schmid, B. V., Cao, H., Dai, X., Du, Z., Easterday, W. R., Fang H, Guo C, Huang S, Liu W, Qi Z, Song Y, Tian H, Wang M, Wu Y, Xu B, Yang C, Yang J, Yang X, Zhang Q, Jakobsen Ks, Zhang Y, **Stenseth NC**, Yang, R. (2020). Evolutionary selection of biofilm-mediated extended phenotypes in *Yersinia pestis* in response to a fluctuating environment. *Nature Communications*, 11(1). doi:10.1038/s41467-019-14099-w
- ▶ Li R, Xu L, Bjornstad ON, Liu K, Song T, Chen A, Xu B, Liu Q, **Stenseth NC** 2019 Climate-driven variation in mosquito density predicts the spatiotemporal dynamics of dengue. *Proceedings of the National Academy of Sciences of the United States of America*, 116(9), 3624-3629
- ▶ 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, Hedenstrom 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
- ▶ Kausrud KL, Begon M, Ari TB, Viljugrein H, Esper J, Büntgen U, Leirs H, Junge C, Yang B, Yang M, Xu L, **Stenseth NC**. Modeling the epidemiological history of plague in Central Asia: palaeoclimatic forcing on a disease system over the past millennium. *BMC Biol*. 2010 Aug 27;8:112
- ▶ Ben Ari T, Gershunov A, Gage KL, Snäll T, Etestad P, Kausrud KL, **Stenseth, NC**. Human plague in the USA: the importance of regional and local climate. *Biol Lett*. 2008 Dec 23;4(6):737-40
- ▶ Kausrud KL, Mysterud A, Steen H, Vik O, Ostbye E, Cazelles B, Framstad E, Eikeset AM, Mysterud I, Solhoy T, **Stenseth NC**. Linking climate change to lemming cycles. *Nature* 2008; 456:93-U93
- ▶ **Stenseth NC**, Samia NI, Viljugrein H, Kausrud KL, Begon M, Davis S, Leirs H, Dubyanskiy VM, Esper J, Ageyev VS, Klassovskiy NL, Pole SB, Chan KS. Plague dynamics are driven by climate variation. *Proceedings of the National Academy of Sciences of the United States of America* 2006;103(35):13110-5
- ▶ **Stenseth NC**, Ottersen G, Hurrell JW, Belgrano A. 2004 Marine ecosystems and climate variation. Oxford University Press.
- ▶ **Stenseth NC**, Ottersen G, Hurrell JW, Mysterud A, Lima M, Chan KS, Yoccoz NG, Adlandsvik B: Studying climate effects on ecology through the use of climate indices: the North Atlantic Oscillation, El Niño Southern Oscillation and beyond. *Proceedings of the Royal Society B-Biological Sciences* 2003, 270(1529):2087-2096
- ▶ **Stenseth NC**, Mysterud A, Ottersen G, Hurrell JW, Chan KS, Lima M: Ecological effects of climate fluctuations. *Science* 2002, 297(5585):1292-1296
- ▶ Mysterud A, **Stenseth NC**, Yoccoz NG, Langvatn R, Steinheim G: Nonlinear effects of large-scale climatic variability on wild and domestic herbivores. *Nature* 2001, 410(6832):1096-1099
- ▶ Flagstad O, Syvertsen PO, **Stenseth NC**, Jakobsen KS: Environmental change and rates of evolution: the phylogeographic pattern within the hartebeest complex as related to climatic variation. *Proceedings of the Royal Society B-Biological Sciences* 2001, 268(1468):667-677
- ▶ **Stenseth NC**, Chan KS, Tong H, Boonstra R, Boutin S, Krebs CJ, Post E, O'Donoghue M, Yoccoz NG, Forchhammer MC, Hurrell JW: Common dynamic structure of Canada lynx populations within three climatic regions. *Science* 1999, 285(5430):1071-1073