

SHORT CURRICULUM VITAE -- Jens Rydell (2014)

Home page: www.jensrydell.se

PERSONAL

Date and place of birth: 1953, Trollhättan, Sweden. Social registration no: 530817-5578

Citizenship: Swedish.

Marital status: Widowed (Ingrid Rydell, died 2010), three children, two grandchildren.

EDUCATION

1998: Associate professor (Zoology), Goteborg University, Sweden.

1990: PhD (Ecology), Lund University. Thesis "Ecology of the northern bat *Eptesicus nilssonii* during pregnancy and lactation".

1982: Teacher (Biology and Chemistry) Goteborg University, Sweden.

1977: MSc (Microbiology and Chemistry) Umea University, Sweden.

POSITIONS

2012-2014: Consultancy company (1/1), affiliation Lund University, Biology Dep.

2003-2012: Ecological consulting and Research (1/2) and teaching (1/2), aff. 2009-2012, Lund Univ. Biology Dep.

2001-2003: Lecturer, Zoology Department, Goteborg University, Sweden

1995-2000: Junior Research position, Zoology Department, Göteborg University, Sweden

1993-1995: Postdoctoral Research Fellowship, Zoology Department, University of Aberdeen, UK

1990-1993: Research grants, The Swedish Environmental Protection Agency, Lund University, Sweden

1988-1990: Doctoral University fellowship, Lund University, Sweden

1982-1988: Teacher, secondary school (1/2), PhD Lund University (1/2)

1978-1982: Teacher; secondary school, Ulricehamn, Sweden

1977-1978: Research Assistant, IVL, Göteborg, Sweden

MAJOR RESEARCH GRANTS

2009-2012: Swedish Environmental Protection Agency (wind turbine ecology projects)

1999: Swedish Polar Research, Stockholm, Sweden (adaptation in arctic insects)

1993-2003: Swedish Research Council (full time research on bat ecology)

1990-1991: Swedish Environmental Protection Agency (part time research on bats and light pollution)

CURRENT OCCUPATION

The effect of wind turbines on bats and birds (and what we should do about it).

PREVIOUS ACADEMIC ACTIVITIES

The ecology of bats. Bat insect interactions. Evolution of echolocation. Ecology of light pollution. I have published about 70 scientific papers on these subjects. Research in many countries (e.g. Sweden, UK, Mexico, Canada, Costa Rica) and together with many colleagues from around the world. Currently attached to research projects in Latvia, Poland, Kenya, Taiwan, Portugal, Israel and Italy.

PHD students: Johan Eklöf (Vision in echolocating bats, 2003), Monica Svensson (Light dependent in insects to bat predation, 2003), Jurgis Suba (Bat migration in Latvia, 2013)

SOME RECENT SCIENTIFIC PAPERS

Kounitsky, P., **Rydell, J.**, Amichai, E., Boonman, A., Weiss, A. J. & Yovel, Y. 2015. Bats adjust their mouth gape to zoom their biosonar field of view. *Proceedings of the National Academy of Sciences*, doi: 10.1073/pnas.1422843112. [Reviewed in Science doi: 10.1126/science.aac4571](https://doi.org/10.1126/science.aac4571).

Murphy, M., Clare, E. L., **Rydell, J.**, Yovel, Y., Fleming, T., Baron, Y., Oelbaum, P. & Fenton, M. B. 2015. Banana flowers beckon to bats. *Current Biology* submitted.

Barclay, R.M.R., Baerwald, E.R. & Rydell, J. 2015. Bats and windfarms. In: *Wildlife and Windfarms* (ed. Perrow, M.). Pelagic Publishing, Exeter, UK. In press.

- Arnett, E.B., Baerwald, E.F., Mathews, F., Rodrigues, L., Rodriguez-Duran, A., **Rydell, J.**, Villegas-Patracca, R. & Voigt, C.C. 2015. Impacts of Wind Energy Development on Bats: a Global Perspective. In: *Bats in the Anthropocene* (eds. Kingston T. & Voigt, C. C.). In press.
- Rydell, J.** & Russo, D. 2014. Photography as a low-impact method to survey bats. *Mammalian Biology*, <http://dx.doi.org/10.1016/j.mambio.2014.11.003>
- Rydell, J.**, Engström, H., Hedenström, A., Larsen, J. K., Pettersson, J. & Green M. 2011. The effect of wind turbines on birds and bats. *Swedish Environmental Protection Agency Rep. 6467*, 123 pp.
- Rydell, J.**, Bach, L., Dubourg-Savage, M.-J., Green, M., Rodrigues, L. & Hedenström, A. 2010. Bat mortality at wind turbines in northwestern Europe. *Acta Chiropterologica*, 12, 261-274.
- Rydell, J.**, Bach, L., Dubourg-Savage, M.-J., Green, M., Rodrigues, L. & Hedenström, A. 2010. Mortality of bats at wind turbines links to nocturnal insect migration? *European Journal of Wildlife Research* 56, 823-827.