

Curriculum Vitae

Viktoriia Radchuk

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Job description

Research in evolutionary ecology: understanding species diversification under contrasting scenarios of environmental change

Research fields and interests

Population dynamics, population viability analysis, predator-prey interactions, biodiversity-ecosystem functioning, model complexity: mechanistic versus phenomenological models, evolutionary ecology

Professional appointments

- Since 11/2014 Post-Doc, Department of Evolutionary ecology, Leibniz Institute for Zoo and Wildlife Research, Germany
- 2013-2014 Post-Doc, The Synthesis Centre for Biodiversity Sciences - sDiv, German Centre for Integrative Biodiversity Research (iDiv) Halle-Jena-Leipzig, Germany
- 2013 Post-Doc, Faculty of Applied Ecology and Agricultural sciences, Hedmark University College, Norway
- 2012-2013 Teaching assistant, Université catholique de Louvain, Belgium

Education

- 2008-2012 PhD in Biological Sciences, Université Catholique de Louvain, Belgium
- 2006-2008 MSc in Environmental Sciences, Wageningen University, The Netherlands
- 2002-2006 BSs in Ecology and Environmental Protection, National Agricultural University of Ukraine, Ukraine

Selected publications

- Grimm, V., J. Augusiak, A. Focks, B. Frank, F. Gabsi, A. S. Johnston, C. Liu, B. Martin, M. Meli, V. Radchuk, P. Thorbek, and S. Railsback. 2014. Towards better modelling and decision support: documenting model development, testing, and analysis using TRACE. *Ecological Modelling* 280: 129-139.
- Radchuk, V., K. Johst, J. Groeneveld, C. Turlure, V. Grimm, and N. Schtickzelle. 2014. Appropriate resolution in time and model structure for population viability analysis: insights from a butterfly metapopulation. *Biological Conservation* 169: 345-354.
- Pe'er, G., Y.G. Matsinos, K. Johst, K.W. Franz, C. Turlure, V. Radchuk, A.H. Malinowska, J.M.R. Curtis, I. Naujokaitis-Lewis, B. Wintle, and K. Henle. 2013. A protocol for better design, application and communication of population viability analyses. *Conservation Biology* 27(4): 644-656.
- Radchuk, V., K. Johst, J. Groeneveld, V. Grimm, and N. Schtickzelle. 2013. Behind the scenes of population viability modeling: Predicting butterfly metapopulation dynamics under climate change. *Ecological Modelling* 259:62-73.
- Radchuk, V., C. Turlure, and N. Schtickzelle. 2013. Each life stage matters: the importance of assessing the response to climate change over the complete life cycle in butterflies. *Journal of Animal Ecology* 82: 275-285.

Teaching and education, outreach

2012-2013 Teaching assistant at Université catholique de Louvain, Belgium. Courses: Analysis of biological data (*LBOE2112*), Biometry (*MAT1375*), Integrated Ecology and Biogeography: Biogeography of Belgium (*LBIO1352A*), Integrated Ecology and Biogeography: biodiversity of the natural environments (*LBIO1352B*)

Professional roles and services to the scientific community

Reviewer for Ecography, Landscape ecology, Ecological Modelling, Global Change Biology, PlosOne, European Journal of Entomology, Applied Entomology and Zoology, Biodiversity and Conservation, Conservation letters, Journal of Theoretical Biology, Environmental Modelling and Software

Awards, honours

2013-2014 Grant for individual sDiv project “How does biodiversity affect ecosystem functioning and community stability: a meta-analysis of ecotoxicological stress experiments on freshwater communities” (co-PIs: prof. Volker Grimm, Dr. Frederik DeLaender, Prof. Paul van den Brink)

2008-2012 PhD grant from FRIA (Fonds pour la recherche dans l’Industrie et dans l’Agriculture) for the PhD project “Dealing with biological complexity in Population Viability Analysis: lessons from two endangered butterfly species” (Supervisor: Prof. Nicolas Schtickzelle)

2006-2008 MATRA scholarship for MSc (Wageningen University, Netherlands)