

# Dr. Viktoriia Radchuk

## Personal Details

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Institution      Leibniz Institute for Zoo and Wildlife Research (IZW)

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## Research Interests

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I am a quantitative ecologist broadly interested in wildlife responses to global change. I study mechanisms that allow animal populations, species and communities to cope with global change. My work lays at the intersection of population ecology, community ecology, disturbance ecology and conservation biology. I apply advanced statistical tools and simulation models to assess biological responses to global change, with the ultimate goal of providing conservation advice for mitigating possible negative impacts.

## Academic Education

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2008 – 2012      PhD in Biological Sciences, Université Catholique de Louvain (Belgium)

2006 – 2008      MSc in Environmental Sciences Wageningen University (The Netherlands)

2002 – 2006      BSc in Ecology and Environmental Protection, National Agricultural University of Ukraine

## Professional Experience

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2020 – now      Senior Scientist, Leibniz-IZW

2018 – 2020      Postdoc, Department of Ecological Dynamics, Leibniz-IZW

2014 – 2018      Postdoc, Department of Evolutionary Ecology, Leibniz-IZW

2013 – 2014      Individual Postdoc Grant, sDiv, German Centre for Integrative Biodiversity Research (iDiv)  
Halle-Jena-Leipzig (Germany)

2013              Postdoc, Hedmark University College (Norway)

2012 – 2013      Teaching assistant, Université Catholique de Louvain (Belgium)

## Awards & Fellowships

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2014 – 2017      Postdoctoral research fellowship ('Chargé de recherches') from Fonds de la Recherche Scientifique (FNRS), Belgium – *not taken because of the decision to stay in Germany for personal reasons*

2013 – 2014      sDiv grant for an individual postdoc, German Centre for Integrative Biodiversity Research (iDiv) Halle-Jena-Leipzig (Germany)

2008 – 2012      FRIA (Fonds pour la recherche dans l'Industrie et dans l'Agriculture) PhD scholarship (Belgium)

2006 – 2008      MATRA scholarship for Eastern European Master Students (The Netherlands)

## Community Services

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2022 – now	Member of the worker's council at the IZW
2021	Guest Co-Editor for the Special Issue 'Stability across spatial and temporal scales' at <i>Frontiers in Ecology and Evolution</i>
2019	Co-organiser of the Wildlife Research and Conservation Conference - WRC, Berlin, Germany (over 250 participants)
2017	Invited Guest Editor for the Virtual Issue in Ecological Modelling
2016	Co-organiser of the conference session 'Ecological models as tools to assess persistence of ecological systems in face of environmental pressures', Ecosummit 2016, Montpellier, France
2016 – now	Editorial Board member at <i>Scientific reports</i>
2013 – now	Reviewer for > 20 journals including <i>Ecology Letters</i> , <i>PNAS</i> , <i>PLOS Biology</i> , <i>Ecological Modelling</i> , <i>Global Change Biology</i> , <i>Trends in Ecology and Evolution</i> . Reviewer for >10 research proposals including for Agence National de la Recherche (ANR, France), Deutsche Forschungsgemeinschaft (DFG, Germany), Natural Environment Research Council (NERC, UK), sDiv workshops (Germany), Swiss National Science Foundation (SNSF, Switzerland), National Science Centre Poland (OSF).

## Supervision Undergraduate & Graduate Students

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I have (co-)supervised or currently (co-)supervise 3 BSc students, 2 MSc students, 7 Interns, 9 PhD students (one of them has completed his PhD in 2019 and another one has submitted his PhD Thesis in 2022) and 4 postdocs.

## Publications (selected)

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Planillo, A., S. Kramer-Schadt, S. Buchholz, P. Gras, M. von der Lippe, and **V. Radchuk**. (2021). Arthropod abundance modulates bird community responses to urbanization. *Diversity and Distributions* 27(1): 34–49.

**Radchuk, V.**, F. De Laender, J. Sarmiento Cabral, ... F. M. Schurr, V. Grimm, and S. Kramer-Schadt. (2019). The dimensionality of stability depends on disturbance type. *Ecology Letters* 22:674–684.

**Radchuk, V.**, T. Reed, C. Teplitsky, .... M. E. Visser, S. R. Beissinger, A. Courtiol, and S. Kramer-Schadt. (2019). Adaptive responses of animals to climate change are most likely insufficient. *Nature Communications* 10:3109.

**Radchuk, V.**, R.A. Ims & H.P. Andreassen. (2016). From individuals to population cycles: the role of extrinsic and intrinsic factors in rodent populations. *Ecology* 97(3): 720-732.

**Radchuk, V.**, C. Turlure & 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.