

# Paul R. Elsen

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## Postdoctoral Appointments

- 2016— Postdoctoral Scholar, Environmental Science, Policy, and Management, University of California, Berkeley, in affiliation with US Forest Service
- 2015—2016 Postdoctoral Research Associate, Public and International Affairs, Woodrow Wilson School, Princeton University
- 2015—2016 Visiting Scholar, Environmental Science, Policy, and Management, UC Berkeley

## Education

- 2015 **Ph.D.** Ecology and Evolutionary Biology, Princeton University  
*The role of climate, habitat, competition, and land-use in the distribution and conservation of montane species*  
Advisor: David Wilcove
- 2012 **M.A.** Ecology and Evolutionary Biology, Princeton University
- 2006 **B.A.** Cognitive Science, University of California, Berkeley

## Research Interests

Conservation Biology, Global Change Biology, Biogeography, Applied Ecology, Landscape Ecology, Community Ecology, Geographic Information Systems, Environmental Science, Ornithology

## Peer Reviewed Publications

- In Press Estes, L., **Elsen, P.R.**, Truer, T., Ahmed, L., Caylor, K., Chang, J., Choi, J.J. & Ellis, E. The spatial and temporal domains of modern ecology. *Nature Ecology & Evolution*.
- 2018 Srinivasan, U.\*, **Elsen, P.R.\***, Tingley, M.W. & Wilcove, D.S. Temperature and competition interact to structure Himalayan bird communities. *Proceedings of the Royal Society B* 285: 20172593. (\*Authors contributed equally).
- 2017 **Elsen, P.R.**, Kalyanaraman, R., Ramesh, K. & Wilcove, D.S. The importance of agricultural lands for Himalayan birds in winter. *Conservation Biology* 31: 416—426.
- 2017 **Elsen, P.R.**, Tingley, M.W., Kalyanaraman, R., Ramesh, K. & Wilcove, D.S. The role of competition, ecotones, and climate in the elevational distribution of Himalayan birds. *Ecology* 98: 337—348.
- 2016 Pellegrini, A.F.A., Socolar, J.B., **Elsen, P.R.** & Giam, X. Trade-offs between savanna woody plant diversity and carbon storage in the Brazilian Cerrado. *Global Change Biology* 22: 3373—3382.

- 2015      **Elsen, P.R.** & Tingley, M.W. Global mountain topography and the fate of montane species under climate change. *Nature Climate Change* 5: 772–776.
- 2008      Wittemyer, G., **Elsen, P.**, Bean, W.T., Burton, A.C.O. & Brashares, J.S. Accelerated human population growth at protected area edges. *Science* 321: 123–126.

### Other Publications

- 2017      Arora, G., Sharma, P., Inskipp, T. & **Elsen, P.R.** Records of White-browed Shortwing *Brachypteryx montana* from Uttarakhand, and a review of its status in the Himalaya west of Nepal. *Indian Birds* 13, 18–21.

### In Review Publications

- In Review      **Elsen, P.R.**, Monahan, W.B. & Merenlender, A.M. Global patterns of protection of elevational gradients in mountain ranges. *Proceedings of the National Academy of Sciences, USA*.
- In Review      **Elsen, P.R.**, Ramesh, K. & Wilcove, D.S. Both land-sharing and land-sparing are necessary to conserve Himalayan birds. *Conservation Biology*.

### Awards & Grants

- 2017      Global Collaborative Network, Princeton University (co-PI with David Wilcove, Morgan Tingley, and Umesh Srinivasan; \$91,500)
- 2016–2017      Sponsored Projects for Undergraduate Research, UC Berkeley (\$2,500)
- 2016      David H. Smith Conservation Research Fellowship, Society for Conservation Biology (\$147,500)
- 2015      Best Student Oral Presentation, International Congress for Conservation Biology
- 2013      Walbridge Fund Award, Princeton Environmental Institute (\$9,500)
- 2012      National Science Foundation Graduate Research Fellowship (\$120,000)

### Invited Talks & Conference Presentations

- 2017      **Elsen, P.R.** Which mountains pass? Gaps in protection along elevational gradients worldwide. International Congress for Conservation Biology, Cartagena, Colombia.
- 2017      **Elsen, P.R.** Which mountains pass? Gaps in protection along elevational gradients worldwide. 18<sup>th</sup> Annual Bay Area Conservation Biology Symposium, Santa Cruz, USA.
- 2016      **Elsen, P.R.** The importance of agricultural lands for Himalayan birds in winter. North American Congress for Conservation Biology, Madison, USA.

- 2015 **Elsen, P.R.** Global mountain topography and the fate of montane species under climate change. Wildlife, Fisheries, and Conservation Seminar, Berkeley, USA.
- 2015 **Elsen, P.R.** & Tingley, M.W. Global mountain topography and the fate of montane species under climate change. International Congress for Conservation Biology, Montpellier, France.
- 2014 **Elsen, P.R.**, Tingley, M.W. & Wilcove, D.S. Interactions between climate, competition, and habitat in limiting Himalayan bird distributions. International Ornithological Congress, Tokyo, Japan.
- 2013 **Elsen, P.R.** Disentangling climate, habitat, and competition as factors limiting bird distributions in the Himalayas. College of Natural Resources, Royal University of Bhutan, Thimphu, Bhutan.
- 2007 **Elsen, P.** Human demographic change on the boundaries of protected areas. Wildlife, Fisheries, and Conservation Seminar, Berkeley, USA.

### Teaching & Mentorship

- 2016— Principal Investigator and primary advisor for six undergraduate mentees through the Undergraduate Research Apprenticeship Program and Sponsored Projects for Undergraduate Research Program, University of California Berkeley
- 2016—2017 Undergraduate Honors Thesis Advisor, University of California, Berkeley
- 2014 Teaching Assistant, Tropical Coral Reef Ecology: field-based course in Panama. Princeton University
- 2012—2014 Training in field methodologies, including mist-netting, line transect bird counts, vegetation sampling, automated data collection, data entry and geospatial analysis (group of 12 local assistants from India)
- 2012 Postgraduate field training (two students from US and India)
- 2011 Teaching Assistant, Fundamentals of Environmental Studies: Climate, Air Pollution, Toxics, and Water. Princeton University

### Memberships & Affiliations

- 2017— Member, Connectivity Conservation Specialist Group
- 2017— Member, World Commission on Protected Areas
- 2016— Collaborator, Terrestrial Biodiversity Climate Change Collaborative

2015— Postdoctoral Research Affiliate, Wildlife Institute of India

2015— Member, New York Academy of Sciences

2012—2015 External Ph.D. Scholar, Wildlife Institute of India

2012— Member, Ecological Society of America

2012— Lifetime Member, Society for Conservation Biology

2011— Member, Explorer's Club

### **Peer Review**

Biological Conservation, Conservation Biology, Diversity and Distributions, Ecography, Global Change Biology, Global Ecology and Biogeography, New Phytologist, PNAS

### **Professional Development**

2018 Media training, Intermedia Communications Training, Inc.

2017 Justice, Equity, Diversity, and Inclusion workshop, Raben Group

2017 Communications and storytelling in science, Intermedia Communications Training, Inc.

2017 Science writing for non-scientists, The Op-Ed Project

2017 Facilitation training, Dovetail Consulting Group

2016 Leadership training, Maureen Ryan (Conservation Science Partners)

2016 Diversity training, SACNAS

### **Domestic and International Field Experience**

2010—2016 Montane bird communities, Himachal Pradesh and Uttarakhand, India

2014 Tropical coral reef communities, Pacific and Caribbean, Panama

2011 Tropical bird communities, Osa Peninsula, Costa Rica

2009—2010 Tidal marsh wildlife and plant communities, San Francisco Bay Area, California

2009 Mixed bird species assemblages, Amazonia, Peru

2008 Threatened songbirds, throughout New York State

2007 Threatened small mammals, Patagonia, Argentina

2007 Montane small mammal communities, Sierra Nevada, California

2007 Grassland bird, mammal, and plant communities, Carrizo Plain, California

**Previous Work Experience**

2010 Biological Field Technician, United States Geological Survey, Vallejo, CA

2009 Geographic Information Systems Mapping Intern, Oceana, Washington, DC

2008–2009 National Forest Program Intern, The Wilderness Society, Washington, DC

2006–2008 Research Assistant, Museum of Vertebrate Zoology and ESPM, UC Berkeley, CA