

Susan E. Cameron—Curriculum Vitae

secameron@ucdavis.edu

Tel: 530.752.0225 Fax: 530.752.3350

www.des.ucdavis.edu/students/cameron

Graduate Group in Ecology
University of California, Davis
Dept. Environmental Science & Policy
Davis, CA 95616

EDUCATION

- Ph.D.**, Ecology *University of California, Davis* Expected June 2008
Dynamic models of ecological and evolutionary processes in the wet tropics of Australia and New Guinea. Jim Quinn and Mark Schwartz (co-chairs), Craig Moritz.
- B.S.**, Biology with Special Honors *University of Texas, Austin* May 2003
Place prioritization and irreplaceability analysis for biodiversity conservation in Ecuador using modeled vegetation classes as surrogates.

GRANTS

- NSF Doctoral Dissertation Improvement Grant, 2007 (co-PI) \$12,000
- UC Davis Office of Graduate Studies Travel Award, 2007 \$1000
- UC Davis Jastro Shields Research Fellowship, 2006, 2007 \$5,500
- Environmental Futures Network, Early Career Research Grant, 2006 (co-PI) \$15,000
- UC Pacific Rim Research Program Grant, 2005 (PI) \$24,800
- NSF East Asia Pacific Summer Institute, June 2005 \$7000
- UC Davis Graduate Studies Research Fellowship, September 2003 \$3000
- NSF Graduate Research Fellowship, 2003-2007 \$121,500
- NSF International Travel Award, September 2006 \$1000
- Undergraduate Research Fellowship, September 2002 \$1000

PUBLICATIONS

- Hijmans, R., **S.E. Cameron**, J. Parra, P. Jones and A. Jarvis. 2005. Very high resolution interpolated climate surfaces for global land areas. *International Journal of Climatology*. 25: 1965-1978.
- Ferrier, S., G.V.N. Powell, K.S. Richardson, G. Manion, J.M. Overton, T.F. Allnutt, **S.E. Cameron**, K. Mantle, N.D. Burgess, D.P. Faith, J.F. Lamoreux, G. Kier, R.J. Hijmans, V.A. Funk, G.A. Cassis, B.L. Fisher, P. Flemmons, D. Lees, J.C. Lovett, and R.S.A.R. Van Rompaey. 2004. Mapping more of terrestrial biodiversity for global conservation assessment: a new approach to integrating disparate sources of biological and environmental data. *BioScience*. 54 (12): 1101-1109.
- Sarkar, S., C. Pappas, J. Garson, A. Aggarwal, and **S. Cameron**. 2004. Place prioritization for biodiversity conservation using probabilistic surrogate distribution data. *Diversity and Distributions* 10: 125-133.
- Sarkar, S., A. Moffett, R. Sierra, T. Fuller, **S. Cameron**, and J. Garson. 2004. Incorporating multiple criteria into the design of conservation area networks. *Endangered Species Update* 21: 100-107.

PUBLICATIONS IN REVIEW

- Cameron, S.E.**, K.J. Williams, and D.K. Mitchell. 2007. Efficiency and concordance of alternative methods for minimizing opportunity costs in conservation planning. *Conservation Biology*. In Review.
- MacKenzie, J.B., **S.E. Cameron**, S. Ferrier, G. Manion, S.E. Williams, and C. Moritz. 2007. Spatial prediction of genes and body size using habitat history and current environment in a dispersal-limited specialist. *Journal of Biogeography*. In Review.

Faith, D.P., K.J. Williams, **S.E. Cameron**, D.K. Mitchell and C. Margules. 2007. How Systematic Conservation Planning can help to achieve the 2010 Biodiversity Target. *Global Environmental Change: Social and Policy Dimensions*. In Review.

INVITED PRESENTATIONS AND SYMPOSIA

S.E. Cameron. 2007. Conservation prioritization and climate change impacts on the phylogenetic diversity of endemic rainforest flora and fauna. SSB Symposium Phylogenetic Diversity, towards a synthesis of concepts and applications for biodiversity conservation. Evolution Joint Meeting, Christchurch, New Zealand.

PRESENTATIONS AND BOOK CHAPTERS

Cameron, S.E., J.H. Thorne and P.E. Moore. 2007. Influence of fire and climate change on vegetation in a mountainous national park. Ecological Society of America Annual Meeting. San Jose, CA, USA.

Cameron, S.E. 2007. Climate change impacts on the phylogenetic diversity of endemic rainforest flora and fauna. Society for Conservation Biology Australasia Regional Meeting, Sydney, Australia.

Cameron, S.E., K.J. Williams, and D.K. Mitchell. 2006. A comparison of iterative and terminal stage procedures addressing multiple opportunity cost constraints in systematic conservation planning. Society for Conservation Biology Annual Meeting. San Jose, CA, USA.

Mitchell, D.K., K.J. Williams, R. James, and **S.E. Cameron**, 2005. Defining areas for species conservation in Melanesia: A planning outcomes experience from Milne Bay, Papua New Guinea. Ecological Society of Australia Meeting 2005. Brisbane, Queensland, Australia.

Sarkar, S., M. Mayfield, **S. Cameron**, T. Fuller and J. Garson. 2005. Conservation area networks for the Indian ecoregion: systematic methods and future prospects. *in* R. Stevenson, K. N. Ganeshiah, and K. Bawa, editors. *Ecoinformatics for Biodiversity Conservation: Prospects and Challenges*. I.K. International Private Limited, Bangalore, India.

Hijmans, R., **S. Cameron** and J. Parra. 2004. WorldClim: a new high-resolution global climate database. Inter-American Workshop on Environmental Data Access. São Paulo, Brasil.

Powell, G., T. Allnutt, N. Burgess, S. Palminteri, M. Dickerson, S. Ferrier, G. Mannion, K. Mantle, K. Richardson, J. Overton, **S. Cameron**, G. Kier, W. Küper, J. Mutke, J. Lamoreux, D. Faith, J. Lovett, M. Vargas, Q. Luke, R. van Rompeay, G. Schatz, B. Loiselle, V. Funk, D. Lees, C. Kremen, B. Fisher. 2003. Addressing data needs and data gaps in an assessment of the representativeness of the world's protected area system for poorly-known taxonomic groups. IUCN 5th World Park Congress. Durban, South Africa.

Fuller, T., **S. Cameron** and S. Sarkar, 2003. Selecting Landscape Units for Restoration to Establish Connectivity in a Conservation Area Network: A Graph-Theoretic Model. Society for Ecological Restoration International Annual Conference. Austin, TX, USA.

TEACHING EXPERIENCE

Teaching Assistant, UC Davis (50%)	Principles of Ecology B (Graduate)	Winter 2007
Teaching Assistant, UC Davis (50%)	Principles of Ecology A (Graduate)	Fall 2005
Teaching Assistant, UC Davis (75%)	Conservation Ecology (Graduate)	Winter 2005
Teaching Assistant, UC Davis (50%)	Population Dynamics and Estimation	Spring 2004

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PROFESSIONAL EXPERIENCE

Graduate Student Researcher, step 4	University of California, Davis	01/06-09/06
Graduate Student Researcher, step 3	University of California, Berkeley	09/03-12/03
Undergraduate Research Assistant	University of Texas at Austin	06/02-09/03

PROFESSIONAL MEMBERSHIPS

Society for Conservation Biology	Ecological Society of America
Society for the Study of Evolution	Society for Conservation GIS

SERVICE

Executive Committee, UC Davis Graduate Group in Ecology	2006-2008
Member, Environmental Futures Network: 2010 working group	2006-2008
Admissions Review, UC Davis Graduate Group in Ecology	2005; 2006
UC Davis Graduate Student Association Representative	2003-2004
Mentor, McNair Scholars Program	2003-2004

Reviewer for Science, Diseases of Aquatic Organisms, Evolutionary Bioinformatics

REFERENCES

Mark W. Schwartz
Professor, UC Davis
mwschwartz@ucdavis.edu

James F. Quinn
Professor and Director
Information Center for the Environment
UC Davis
jfquinn@ucdavis.edu

Craig Moritz
Professor and Director
Museum of Vertebrate Zoology,
UC Berkeley
craigm@berkeley.edu

Marcel Holyoak
Assistant Professor, UC Davis
maholyoak@ucdavis.edu