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Point Blue Conservation Science
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Professional Preparation

University of California, Santa Cruz.	Environmental Studies	B.A. 1997
University of California Davis,	Ecology	Ph.D. 2008
University of California, Davis	Global Change Biology	7/2008-6/2009
University of Wisconsin, Madison	Climate Change Paleoecology	7/2009-6/2010

Appointments

2015 - Group Director Climate Adaptation Group, Point Blue Conservation Science
2010 - Spatial Ecologist – Spatial Ecology Program Leader, Point Blue Conservation Science
2009 - 2010 - Bryson Interdisciplinary Climate People and the Environment Postdoctoral Fellow-
Department of Geography, Center of Climatic Research, University of Wisconsin Madison.
2008 - 2009 - Postdoctoral Researcher - Department of Environmental Science and Policy, UC Davis.

Selected Peer Reviewed Publications

Roberts, L. J., R. Burnett, J. Tietz, and S. Veloz. 2019. Recent drought and tree mortality effects on the avian community in southern Sierra Nevada : a glimpse of the future? *Ecological Applications* 29(2): e01848.

Wintle, B. A., H. Kujala, A. Whitehead, A. Cameron, S. Veloz, A. Kukkala, and A. Moilanen. 2019. Global synthesis of conservation studies reveals the importance of small habitat patches for biodiversity *Proceedings of the National Academy of Sciences*, 116:909–914

Ballard, G., A. E. Schmidt, V. Toniolo, S. Veloz, D. Jongsomjit, K. R. Arrigo, and D. G. Ainley. 2019. Fine-scale oceanographic features characterizing successful Adélie penguin foraging in the SW Ross Sea. *Marine Ecology Progress Series*, 608:263–277.

Reynolds, M. D., B. L. Sullivan, E. Hallstein, S. Matsumoto, S. Kelling, M. Merrifield, D. Fink, A. Johnston, W. M. Hochachka, N. E. Bruns, M. E. Reiter, S. Veloz, C. Hickey, N. Elliott, L. Martin, J. W. Fitzpatrick, P. Spraycar, G. H. Golet, C. McColl, and S. A. Morrison. 2017. Dynamic conservation for migratory species. *Science Advances* 3:e1700707.

Alexander, J. D., J. L. Stephens, S. Veloz, L. Salas, J. S. Rousseau, C. J. Ralph, and D. A. Sarr. 2017. Using regional bird density distribution models to evaluate protected area networks and inform conservation planning. *Ecosphere* 8:e01799.

Nogues-Bravo, D., S. Veloz, B. G. Holt, J. Singarayer, P. Valdes, B. Davis, S. C. Brewer, J. W. Williams, and C. Rahbek. 2016. Amplified plant turnover in response to climate change forecast by Late Quaternary records. *Nature Climate Change*, 6: 1115-1119.

Reiter, M. E., N. Elliott, S. Veloz, D. Jongsomjit, C. M. Hickey, M. Merrifield, and M. D. Reynolds. 2016. Spatio-Temporal Patterns of Open Surface Water in the Central Valley of California 2000-2011: Drought, Land Cover, and Waterbirds. *Journal of the American Water Resources Association* 51.

Veloz, S. D., Salas, L., Altman, B., Alexander, J., Jongsomjit, D., Elliott, N., Ballard, G. 2015. Improving effectiveness of systematic conservation planning with density data. *Conservation Biology*, 24: 1217-1227.

Ainley, D. G., Ballard, G., Jones, R. M., Jongsomjit, D.J., Pierce, S.D., Smith, W. O., Veloz, S.D. 2015. Trophic cascades in the western Ross Sea, Antarctica, revisited. *Marine Ecology Progress Series*. 534:1-6.

Veloz, S.D., Nur, N., Salas, L. Jongsomjit, D., Stralberg, D., Wood, J. K., and Ballard, G. 2013. Modeling climate change impacts on tidal marsh birds: Restoration and conservation planning in the face of uncertainty. *Ecosphere* 4(4):49.

Veloz, S.D., John Williams, Blois, J., Feng He, Zhengyu Liu, Bette Otto-Bliesner. 2012. No-Analogue Climates and Shifting Realized Niches During the Late Quaternary: Implications for Species Distribution Models. *Global Change Biology*, 18: 1698-1713.

Bellard, C., Leclerc, C., Leroy, B., Bakkeness, M., Veloz, S.D., Thuiller, W., Courchamp, F. 2014. Hotspot hotness: Biodiversity hotspot vulnerability to global change. *Global Ecology and Biogeography* 23 1376-1386.

Grossenbacher, D.L., Veloz, S.D., and Sexton, J.P. 2014. Niche and range size patterns suggest that speciation begins in small, ecologically diverged populations in North American *Mimulus*. *Evolution*, 68(5): 1270-1280.

Williams, J.W., Blois, J.L., Gill, J. L., Gonzales, L. Grim, E., Ordonez, A., Shuman, B. and Veloz, S. D. 2013. Model systems for a no-analog future: species associations and climate during the last deglaciation. *Annals of the New York Academy of Sciences* 1297: 29 - 43.

Ballard, G., D. Jongsomjit, S. D. Veloz, and D. G. Ainley. 2012. Coexistence of mesopredators in an intact polar ocean ecosystem: The basis for defining a Ross Sea marine protected area. *Biological Conservation* 156:72–82.

Veloz, S.D., Williams J, Lorenz, D., Notaro, M., Vavrus, S., Vimont, D. 2012. Identifying climatic analogs for Wisconsin under 21st-century climate-change scenarios. *Climatic Change*, 112: 1037-1058.

Veloz, S.D. (2009) Spatially autocorrelated sampling falsely inflates measures of accuracy for presence-only niche models. *Journal of Biogeography*. 36: 2290-2299.