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Research Assistant Professor
Dept. of Geography and Planning, Appalachian State University, Boone NC
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Short CV – current as of Dec 2014

EDUCATION

PhD	Geography (Advisor: Dr Roger. G. Barry) Thesis: Climatic Variability and Environmental Response in an Andean Alpine Watershed, Cordillera Vilcanota, Peru UNIVERSITY OF COLORADO AT BOULDER	May 2004
B.A.	Geography/Atmospheric Science (Advisor: Dr Lance F. Bosart) Thesis: Large-amplitude gravity waves: An unclassified type of storm STATE UNIVERSITY OF NEW YORK AT ALBANY	May 1987

POSITIONS

2013-present	Adjunct Assistant Professor Climate Change Institute, University of Maine, Orono ME
2012-present	Research Assistant Professor Dept. of Geography and Planning, Appalachian State University, Boone NC
2009-12	Applied Climate Scientist Global Conservation Program, Wildlife Conservation Society, New York NY
2007-2009	Assistant Director Latin America and Caribbean Program, Wildlife Conservation Society, New York NY
2003-05	Post Doctoral Research Fellow Earth Institute of Columbia University, New York NY
2001-03	NASA Earth Systems Science Doctoral Fellow University of Colorado-Boulder CO
1999-2000	Lecturer in Physical Geography and Human Geography University of Colorado-Boulder CO
1998	Research Assistant for the IPCC Third Assessment Report Environment & Societal Impacts Group, National Center for Atmospheric Research, Boulder CO
1996-97	Research Assistant, Research Applications Program National Center for Atmospheric Research, Boulder CO
1987-96	Research Support Specialist Department of Atmospheric Science State University of New York at Albany NY

EXTERNAL RESEARCH SUPPORT – MAJOR GRANTS

- National Geographic Expeditions Council**, 2014-15: Requiem at El Reno (\$50,000)
John D and Catherine T MacArthur Foundation, 2013-15: Earth System Modeling of the Lake Tanganyika Watershed for the Environmental Conservation Community (\$150,000)
John D and Catherine T MacArthur Foundation, 2010-11: Building consensus on Albertine Rift climate change adaptation for conservation (\$150,000)
John D and Catherine T MacArthur Foundation, 2009-12: Comprehensive Monitoring for Climate Change Adaptation and Management in the Albertine Rift Protected Area Network (\$650,000)
John D and Catherine T MacArthur Foundation, 2007-09: Climate Change Assessment in the Albertine Rift (\$250,000)
CIRES Innovative Research Program, University of Colorado, 2002: Mapping environmental response to 20th century warming in a tropical Andean cordillera (\$20,000)
NASA: Earth System Science Doctoral Fellowship, 2001-03: Environmental Change in an Andean Alpine Watershed (\$72,000)
National Geographic Expeditions Council, 2001: Inside Tornadoes: A Research Initiative (\$27,600)
National Geographic Expeditions Council, 2000: Research Expedition to the Cordillera Carabaya, Peru (\$43,700)

SELECTED PUBLICATIONS – JOURNAL ARTICLES

- Perry, L.B., **A. Seimon** and G. M. Kelly, 2014: Precipitation delivery in the tropical High Andes of southern Peru: New findings and paleoclimatic implications. *International Journal of Climatology*, 34, 197–210 doi: 10.1002/joc.3679
- Seimon, A.**, K. Yager, T. Seimon, S. Schmidt, A. Grau, S. Beck, C. García, A. Tupayachi, P. Sowell, J. Touval, and S. Halloy, 2009: Changes in Biodiversity Patterns in the High Andes - Understanding the Consequences and Seeking Adaptation to Global Change. *Mountain Forum*, 9: 25-27
- Seimon, A.**, T.A. Seimon (co-lead coauthors), P. Daszak, S. Halloy, P. Sowell, B. Konecky, L.M. Schloegel, C.A. Aguilar, J. Simmons, and A. Hyatt, 2007: Upward range extension of Andean anurans to extreme elevations in response to tropical deglaciation. *Global Change Biology*, 13:288-299
- Bosart, L.F., **A. Seimon**, K.D. LaPenta, M.J. Dickinson and W.E. Bracken, 2006: Supercell tornadogenesis over complex terrain: The Great Barrington, Massachusetts tornado on 29 May 1995. *Weather and Forecasting* 21: 897-922
- Seimon, A.**, 2003: Improving climatic signal representation in tropical ice cores: A case study from the Quelccaya Ice Cap, Peru, *Geophysical Research Letters*, 30, 1,772-1,776
- Barry, R.G., and **A. Seimon**, 2000: Climatic fluctuations in the mountains of the Americas and their significance. *Ambio*, 24, 364-370
- Bosart, L. F., **A Seimon** and W. E. Bracken, 1998: A study of cyclone mesoscale structure with emphasis on a large-amplitude inertia-gravity wave. *Monthly Weather Review*, 126, 1,497-1,527
- Seimon, A.**, 1993: Anomalous cloud-to-ground lightning in an F5-tornado-producing supercell thunderstorm on 28 August 1990. *Bulletin of the American Meteorological Society*, 74, 189-203
- Bosart, L. F. and **A. Seimon**, 1988: A case study of an unusually intense atmospheric gravity wave. *Monthly Weather Review*, 116, 1,857-1,866

SELECTED PUBLICATIONS – BOOK CHAPTERS

- Seimon, A.**, J.C. Ingram and J.E.M. Watson, 2013: Climatology of the East African Great Lakes Region and potential impacts of climate change on its biodiversity and ecosystem services. In, I. Gordon (ed.) Conservation Strategy in the Great Lakes Region of East and Central Africa. John D. and Catherine T. MacArthur Foundation, International Programs for Conservation and Sustainable Development, Chicago pp. 103-134
- Seimon, A.**, (2012): Improving Understanding of Climatic Controls on Ecology in Development Contexts. In C. Rumbaitis del Rio, F. de Clerck and J.C. Ingram (Eds.), Poverty and Ecology. Springer.
- Seimon, A.** and A.J. Plumptre, (2012): The Albertine Rift. In M. Cross, J. Hilty and C. Chester (Eds.), Conservation and climate disruption: Landscape science and practice in a changing climate. Island Press
- Seimon, A.** and G. Picton Phillipps (2012): Regional Climatology of the Albertine Rift. In, A. Plumptre (Ed.), Long-term changes in Africa's Rift Valley, New York: Nova Science Publishers.
- Watson, J.E.M., Cross, M., Rowland, E., Joseph, L.N., Rao, M. and **A. Seimon** (2011): Planning for species conservation in a time of climate change. Climate Change Volume 3: Research and technology for climate change adaptation and mitigation. InTech Publishers
- Halloy, S. R. P., Yager, K., García, C., **A. Seimon** and Beck, S., (2010): South America: Climate Monitoring and Adaptation Integrated Across Regions and Disciplines. In J. Settele (ed.), Atlas of Biodiversity Risks - from Europe to the globe, from stories to maps. Sofia & Moscow: Pensoft.
- Halloy, S., **A. Seimon**, K. Yager and A. Tupayachi, 2005: Multi-dimensional (climatic, biodiversity, socioeconomic, and agricultural) context of changes in land use in the Vilcanota watershed, Peru. In Land Use Changes and Mountain Biodiversity. E.M. Spehn, M. Liberman and C. Körner (eds.), CRC Press, Boca Raton

SELECTED PUBLICATIONS – STUDIES AND TECHNICAL REPORTS

- Seimon, A.**, A.J. Plumptre and J.E.M. Watson, 2012: Building consensus on Albertine Rift climate change adaptation for conservation: a report on 2011-12 workshops in Uganda and Rwanda. WCS Workshop Report, Wildlife Conservation Society, New York, 40 pp.
- Seimon, A.**, 2012: Climatology and Potential Climate Change Impacts of the Nyungwe Forest National Park, Rwanda. WCS White paper report, Wildlife Conservation Society, New York, USA, 44 pp.
- Seimon, A.**, S. Gallo and K. Fisher, 2012: The WCS Climate Data Collection and Management System for the Albertine Rift Region. WCS White Paper Report, Wildlife Conservation Society, New York, USA, 26 pp.
- Seimon, A.**, J. Watson, R. Dave and J. Oglethorpe et al., 2011: A Review of Climate Change Adaptation Initiatives within the Africa Biodiversity Collaborative Group NGO Consortium, Wildlife Conservation Society, New York, and Africa Biodiversity Collaborative Group, Washington DC