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EDUCATION

- 2004 Ph.D. (Geography/Climatology) University of Arizona, Tucson, AZ
1998 M.A. (Geography/Climatology) Western Michigan University, Kalamazoo, MI.
1996 B.S. (Atmospheric Science) University of Michigan, Ann Arbor, MI.

APPOINTMENTS

- 2005-present: Assistant Professor/Climate Science Extension Specialist, Dept. of Soil, Water, & Environmental Science & Arizona Cooperative Extension, University of Arizona
2002-2004: Graduate Research Fellow, NASA Space Grant Program, University of Arizona
2001-2002: Graduate Teaching Assistant, Dept. of Geography and Regional Dev., University of Arizona
1998- 2001: Environmental Scientist, Kieser & Associates Environmental Science and Engineering, Kalamazoo, Michigan
1996- 1998: Graduate Teaching Assistant, Dept. of Geography, Western Michigan University
1995-1996: Meteorologist Intern, National Weather Service, White Lake, Michigan Research Assistant

PUBLICATIONS

Miller, J., H. Safford, M. Crimmings, and A. Thode. *In Press*. Quantitative evidence for increasing forest fire severity in the Sierra Nevada and southern Cascade Mountains, California and Nevada, USA. *Ecosystems*.

Crimmins, M.A. and T.M. Crimmings. Monitoring plant phenology using repeat digital photography. *Environmental Management*. Vol. 41, 949-958. DOI: 10.1007/s00267-008-9086-6.

Crimmins, T.M., M.A. Crimmings, D. Bertleson, and J. Balmat. 2007. Relationships between flowering diversity and climatic variables along an elevation gradient. *International Journal of Biometeorology*. Vol. 52, 353-366. DOI 10.1007/s00484-007-0130-7.

Holden, Z.A., P. Morgan, M.A. Crimmings, R.K. Steinhorst, and A.M.S. Smith. 2007. Fire Season Precipitation Variability Influences Fire Extent and Severity in a Large Southwestern Wilderness Area, USA. *Geophysical Research Letters*. Vol. 34, L16708, doi:10.1029/2007GL030804.

Crimmins, M.A., G. Zaimes, N. Haas, C. Jones, G. Garfin, and T. Crimmings. 2007. Changes on the Range: A Novel Exercise to Explore Interactions between Range Management Decision Making and Climate Change. *Journal of Natural Resources and Life Sciences Education*. 36:76-86.

Garfin, G.M., M. A. Crimmings, and K.A. Jacobs, 2006. Drought, Climate Variability, and Implications for Water Supply and Management. In: *Water Management Innovations for Arid Regions: Arizona Policy and Practice*. (eds) Bonnie G. Colby and Katharine Jacobs. Resources for the Future Press: Washington, D.C.

Morehouse, B.J., G. Christopherson, M. Crimmins, B. Orr, J.T. Overpeck, T. Swetnam, S. Yool, W. Grunberg, J. Perin, P. Johnson, S. Jensen, A. Thwaites, H. Severson, 2006. Modeling Interactions among Wildland Fire, Climate, and Society in the Context of Climate Variability and Change in the US Southwest. In: *Climate Change and Variability: Consequences and Responses*. (eds) Matthias Ruth, Kieran Donaghy, and Paul Kirshen. EPA/NCER: Washington D.C.

Crimmins, M.A., 2006. Synoptic Climatology of Extreme Fire Weather Conditions across the Southwest United States. *International Journal of Climatology*. 26: 1001-1016.

Crimmins, M.A. and Comrie, A.C., 2004. Wildfire-Climate Interactions across Southeast Arizona. *International Journal of Wildland Fire*. 13: 455-466.

Crimmins, M.A., 2004. High-Resolution Climate Monitoring on a Mountain Island: The Saguaro National Park Pilot Study. *Biodiversity and Management of the Madrean Archipelago II: Connecting Mountain Islands and Desert Seas*. Rocky Mountain Research Station, Tucson, AZ. RMRS-P-36, pp. 176-181.

Crimmins, M.A. and Mau-Crimmins, T.M., 2003. Climate Variability and Plant Response at the Santa Rita Experimental Range, Arizona. In: M.P. McClaran, P.F. Ffolliott and C.B. Edminster (Editors), *Santa Rita Experimental Range: 100 Years (1903 to 2003) of Accomplishments and Contributions*. Rocky Mountain Research Station, Tucson, AZ, pp. 111-115.

Crimmins, M.A., 2003. Cloud-to-ground Lightning in Southern Michigan: 1985-1995. *Great Lakes Geographer*, 10: 1-10.