

BARRY D. KEIM

A) PROFESSIONAL PREPARATION

University of New Orleans	Geography	B.A., 1987
Louisiana State University	Geography (Climatology)	M.S., 1990
Louisiana State University	Geography (Climatology)	Ph.D., 1994

B) APPOINTMENTS

Louisiana State University		
2009-	Professor	
2006-2009	Associate Professor	
2005-2006	Research Associate Professor	
2002-2005	Research Assistant Professor	
2003-present	Louisiana State Climatologist	
2002-2003	Regional Climatologist, Southern Regional Climate Center	
University of New Hampshire		
1999-2003	Associate Professor in Geography	
1999-2003	Research Associate Professor in the Institute for the Study of Earth, Oceans, and Space – Climate Change Research Center	
1997-1999	Assistant Professor in Geography	
1997-2003	Adjunct Assistant/Associate Professor in Earth Science	
1996-1999	Adjunct Research Assistant Professor in the Institute for the Study of Earth, Oceans, and Space – Climate Change Research Center	
1994-1997	Lecturer in Geography	
1994-2003	New Hampshire State Climatologist	

C) PRODUCTS RELATED TO PROPOSED PROJECT

- Needham, H.F., and B.D. Keim. 2012. A Storm Surge Database for the U.S. Gulf Coast. *International Journal of Climatology* **32**(14):2108-2123. DOI: 10.1002/joc.2425.
- Keim, B.D., R. Fontenot, C. Tebaldi, and D. Shankman. 2011. Hydroclimatology of the U.S. Gulf Coast under Global Climate Change Scenarios. *Physical Geography* **32**(6):561–582. <http://dx.doi.org/10.2747/0272-3646.32.6.561>
- Nogueira, R., and B.D. Keim. 2011. Contributions of Atlantic Tropical Cyclones to Monthly and Seasonal Rainfall in the Eastern United States 1960–2007. *Theoretical and Applied Climatology* **103**(1-2):213-227, DOI: 10.1007/s00704-010-0292-9.
- Hamilton, L.C., and B.D. Keim. 2009. Regional Variation in Perceptions about Climate Change. *International Journal of Climatology* **29**(15):2348-2352. DOI 10.1002/joc.1930.
- Keim, B.D., and R.A. Muller. 2009. *Hurricanes of the Gulf of Mexico*. LSU Press, Baton Rouge, Louisiana, 232 pp.

Other Products:

- Nogueira, R.C., B.D. Keim, D.P. Brown, and K.D. Robbins. In Press. Variability of Rainfall from Tropical Cyclones in the Eastern USA and its Association to the AMO and ENSO. *Theoretical and Applied Climatology*.
- Shankman, D., C. Lafon, and B.D. Keim. 2012. Western Range Boundaries of Floodplain Trees in the Southeastern United States. *Geographical Review* **102**(1):35-52.
- Piazza, B.P., M.K. LePeyre, and B.D. Keim. 2010. Relating Large-scale Climate Variability to Local Species Abundance: ENSO forcing and Brown Shrimp (*Farfantepenaeus aztecus*) in Breton Sound, Louisiana, USA. *Climate Research* **42**:195-207, doi: 10.3354/cr00898.

- Nogueira, R., and B.D. Keim. 2010. Annual Volume and Area Variations in Tropical Cyclone Rainfall Over the Eastern United States. *Journal of Climate* **23**(16):4363-4374, doi: 10.1175/2010JCLI3443.1
- Keim, B.D., R.A. Muller, and G.W. Stone. 2007. Spatiotemporal Patterns and Return Periods of Tropical Storm and Hurricane Strikes From Texas to Maine. *Journal of Climate* **20**(14):3498-3509.

D) SYNERGISTIC ACTIVITIES

- Serve as Louisiana State Climatologist where I am charged with serving as the focal point for the State for all climatological activities, including:
 - -monitoring statewide climatic variability and its impacts
 - -archiving and maintaining Louisiana climatic data sets
 - -providing climate data (i.e., to the public, attorneys, engineering firms, etc.)
 - -promoting interest in weather/science through talks to schools and organizations
 - -assisting the universities, and local, state & federal agencies in risk reduction, research and planning
 - -providing information and interpretation to the media (newspapers, radio, television)
 - -monitoring drought in Louisiana for the *U.S. Drought Monitor*
 - -authoring the *Louisiana Weekly Climate Summary*
 - -providing weekly climate data for the *Louisiana Crop Weather Summary*
- Serve as PI for NOAA's Regional Integrated Sciences and Assessment-Southern Climate Impacts Planning Program. This endeavor is engaging stakeholders in the south-central United States in the research process, while attempting to mitigate impacts of climate extremes.

E) COLLABORATORS AND OTHER AFFILIATIONS

(i) Collaborators and Co-Editors

Jason Allard (Valdosta State University), Steven Beckage (DLA Consulting), B. Cliff Brown (University of New Hampshire), David Brown (NOAA), Chris D'Elia (LSU), Robert Dudley (United States Geological Survey), Gregory Faiers (University of Pittsburgh-Johnstown), Michelle Fischer (United States Geological Survey), Lawrence Hamilton (University of New Hampshire), Glenn Hodgkins (United States Geological Survey), James Hocker (University of Oklahoma), Thomas Huntington (United States Geological Survey), George Hurtt (University of New Hampshire), Charles Lafon (Texas A and M University), Meghan LePeyre (United States Geological Survey), Rongfang Li (Jiangxi Institute of Water Sciences), L. David Meeker (University of New Hampshire), Samuel Miller (Plymouth State University), Victor Monroy-Rivera (LSU), Hal Needham (LSU), Ricardo Nogueira (Georgia State University), Brian Piazza (Nature Conservancy), Craig Remington (University of Alabama), Kevin Robbins (LSU), Michael Roberts (Tidal Basin), David Sathiaraj (Louisiana State University), Mark Shafer (University of Oklahoma), David Shankman (University of Alabama), John Slater (Daniel Webster College), Jie Song (Northern Illinois University), Charles Vorosmarty (City University of New York), Adam Wilson (University of New Hampshire), Charles Wilson (Louisiana SeaGrant), Dunyin Wu (Jiangxi Normal University).

(ii) Graduate and Postdoctoral Advisors

Robert A. Muller, MS and PhD Advisor (Louisiana State University)

(iii) Thesis advisor and postgraduate-scholar sponsor

I served as advisor to Samuel Miller (Plymouth State University), PhD in 2003; Ricardo Nogueira (Georgia State University), PhD in 2009; Ezra Boyd (Louisiana State University, PhD in 2011; and Wanyun Shao (Louisiana State University), PhD in 2012.