

**BIOGRAPHICAL SKETCH**

Provide the following information for the Senior/key personnel and other significant contributors.  
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NAME: Simon, Matthew C.

eRA COMMONS USER NAME (credential, e.g., agency login):

POSITION TITLE: Research Associate, GIS Analyst

EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.)*

INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	Completion Date MM/YYYY	FIELD OF STUDY
University of North Carolina at Chapel Hill, NC	BS	12/2002	Environmental Science
University of North Carolina at Chapel Hill, NC	MA	5/2009	Geography

**A. Personal Statement**

As Research Associate and GIS Analyst, Mr. Simon brings nearly 6 years of experience collecting and analyzing primary data in communities as part of their community health assessments. Since 2009, Mr. Simon has provided technical support and training in over 20 different data collection efforts. As a certified Geographic Information Systems Professional (GISP), Mr. Simon has achieved proficiency in the field of Geographic Information Science both academically and professionally. Mr. Simon was recently the Project Manager on two multi-disciplinary research projects funded by the National Science Foundation and the U.S. Department of Agriculture whose aim was to better understand and improve the resilience of vulnerable populations in extremely rural and coastal populations respectively.

**B. Positions and Honors****Positions:**

2002-2006 Sr. GIS Analyst, Environmental Services, Inc., Raleigh, NC  
 2006-2009 Research and Teaching Assistant, Geography Department, University of North Carolina at Chapel Hill, NC  
 2009-present Research Associate and GIS Analyst, North Carolina Institute for Public Health, University of North Carolina at Chapel Hill, UNC Gillings School of Public Health, North Carolina Institute for Public Health

**Certification:**

2011 – Certified as a Geographic Information Systems Professional (GISP) by the GIS Certification Institute  
 2013 – Graduate Certificate in Field Epidemiology, University of North Carolina, School of Public Health

**Professional Affiliations:**

North Carolina Arc Users Group 2003-present  
 Association of American Geographers 2007-present  
 The Urban and Regional Information Systems Association 2011-present  
 National Association of Environmental Professionals 2004-2008  
 Society of Conservation Biology 2006-2011  
 US Regional Association of the International Association for Landscape Ecology, 2007-2011

### C. Contributions to Science

Mr. Simon is a subject matter expert in CDC's Community Assessment for Public Health Emergency Response (CASPER) and has directed over 20 different data collection efforts throughout North Carolina working with hospitals and health departments. He has devoted the last couple years to making advancements to the CASPER data collection methodology. Most recently he has directed the design and development of a suite of software tools for project managers and data collectors which aims to make CASPER sampling methods more accessible to end-users.

### D. Selected peer-reviewed publications

Bevc CA, **Simon MC**, Montoya TA, Horney JA. Institutional facilitators and barriers to local public health preparedness planning for vulnerable and at-risk populations. Forthcoming in *Public Health Reports*.

Horney JA, **Simon MC**, Grabich S\*, Berke P. (2014) Assessing individual knowledge of the hazard mitigation planning process, Bertie County, NC. *Journal of Environmental Planning and Management*. DOI: 10.1080/09640568.2014.892870.

Kolwaite AR, Hlady G, **Simon MC**, Cadwell BL, Daley R, Fleischauer AT, May Z, Thoroughman D. (2013) Assessing Functional Needs Sheltering in Pike County, Kentucky: Using Community Assessment for Public Health Emergency Response. *Disaster Medicine and Public Health Preparedness* 7 (06): 597-602. DOI: 10.1017/dmp.2013.110.

Horney JA, Nguyen M, Cooper J, **Simon MC**, Ricchetti-Masterson K, Salvesen D, Berke P. (2013) Accounting for vulnerable populations in rural hazard mitigation plans: Results of a survey of emergency managers. *Journal of Emergency Management* 11(3):205-211.

Rosselli R, Bevc C, **Simon MC**, Casani J, Horney JA, MacDonald PDM. Residential Household Knowledge and Receipt of Potassium Iodide within the 10-mile Emergency Planning Zone of a Nuclear Power Plant in North Carolina. In press at *International Journal of Mass Emergencies and Disasters*.

**Simon, MC**. *The California Channel Islands with topography and bathymetry*. Map. Moody, A. (2009). Channel Islands (California), Biology. In R. Gillespie & D. Clague (Eds.), *Encyclopedia of Islands* (pp. 155-161). Berkeley, CA: University of California Press.

### E. Research Support

Federal Emergency Management Agency Region II, Healthy Community Recovery, October 30, 2013 – April 30, 2015 (Total award: \$216,598) – Project Manager

Department of Homeland Security, Measuring Community Recovery Indicators: Developing and Testing Indicators that Define Good Community Recovery, December 1, 2012 – June 30, 2015 (Total award: \$482,640) – Research Associate

National Science Foundation, CMMI-1066310, The Effects of Pre-Disaster Recovery Plans on Post-Disaster Recovery Among Socially Vulnerable Populations, September 1, 2011 – August 31, 2014 (Total award: \$443,308) – Project Manager

US Department of Agriculture 2009-06143, Disaster Resilience for Rural Communities, September 15, 2010 – September 14, 2012 (Total award: \$379,649) – Project Manager

Centers for Disease Control and Prevention, Cooperative Agreement No U90/ TP000415-01, Preparedness and Emergency Response Training Centers, October 1, 2010-September 30, 2015 (Total award: \$5,300,000) – Research Associate