

Christopher Koh Uejo
Department of Geography and Regional Development
University of Arizona

Education

M.A. Geography, University of Arizona, 2004-present

- Thesis: Climatic, Environmental, and Geographical Analysis of *Culex* spp. in the Southwestern United States
- Advisor: Andrew Comrie

B.A. Geography with Honors, B.S. Atmospheric Science, UCLA, 1999-2004

- Thesis: Sensitivity Study of Biosphere-Atmosphere Feedbacks in Qinglonghe, China
- Advisor: Yongkang Xue

Research Interests

Applied Climatology, Stakeholder Driven Science, Public Health/Medical Geography, Vector-borne Diseases, Spatial Analysis

Research Experience

2004-Present: Graduate Research Associate, Climate Assessment for the Southwest Project, University of Arizona

- Initiated international collaboration examining historic West Nile Virus epidemics in South Africa from a climatic perspective
- Organized a Southwestern US stakeholder group (public health officials, academics etc.) and developed climatic information tailored to stakeholder research questions
- Analyzed the spatio-temporal dynamics of *Culex spp.* and *Aedes aegypti* in Tucson and Nogales Arizona
- Creating *Culex* spp. predictive habitat model for the Southwestern US

2002-2004: Researcher, Dr. Yongkang Xue's Laboratory, UCLA

- Conducted offline sensitivity study of the effect of landsurface atmosphere interactions on the local climate of the Qinglonghe river basin, China utilizing the Simplified Simple Biosphere Scheme (SSiB) model
- Developed interpolation algorithm for NCEP/NCAR reanalysis data to create hourly climate data to initialize the model

Publications

Uejo, C.K. (2007) Mosquito in the Encyclopedia of Environment and Society, Paul Robbins (ed.), Sage Publications. To be submitted (March 2006).

Uejo, C.K., and Comrie, A.C., (2006) Climatic Influences on West Nile Virus and Sindbis Epidemics in South Africa: A Retrospective Study. To be submitted. (September 2005).

Selected Scholarly Presentations

Hayden, M.H. and Uejio, C.K. (2006) The Re-invasion of *Aedes aegypti* in southern Arizona/northern Mexico, American Meteorological Society Annual Meeting, Atlanta, GA, to be presented January 29-February 2.

Uejio, C.K. and Comrie, A.C. (2005) Climatic Influences on West Nile Virus Epidemics in South Africa: A Retrospective Study, American Society of Tropical Medicine and Hygiene, Washington, DC, to be presented December 11-15.

Uejio, C.K. and Comrie, A.C. (2005) Ecological Niche Theory Applied to West Nile Virus (Poster), 2nd NCAR GIS Initiative Workshop: GIS in Weather, Climate and Impacts, Boulder, CO, July 6-8

Uejio, C.K. and Comrie, A.C. (2005) Exploring Relationships Between Climate and West Nile Virus, Association of American Geographers, Denver, CO, April 5-9.

Fellowships, and Awards

Student Travel Awards:

National Center for Atmospheric Research GIS Initiative Workshop
Institute for the Study of Planet Earth Travel, University of Arizona
Department of Geography and Regional Development, University of Arizona

2004: Tuition Scholarship and Graduate Fellowship, Department of Geography and Regional Development, University of Arizona

Related Experience

Course Reader/Grader, Department of Geography, UCLA

- Spring 2003, Winter 2004: Human Impacts on the Environment (Upper Division Undergraduate Class, 50 students)

Service

2005-Present: Co-chair of Apollo Middle School Geography Outreach Program. Every month a relevant presentation about a geographical topic is made to a local 6th grade classroom.

2005-Present: Co-founding editor of a graduate student run interdisciplinary journal. The official title of the journal has not been decided.

2004-Present: Member of the editorial staff of *You Are Here*; journal of creative Geography