

## **CODY L. KNUTSON**

National Drought Mitigation Center  
823 Hardin Hall  
University of Nebraska-Lincoln (UNL)  
Lincoln, Nebraska 68583-0988

Telephone: (402) 472-6718  
Fax: (402) 472-2946  
E-mail: cknutson1@unl.edu

### **PROFESSIONAL PREPARATION**

South Dakota School of Mines and Technology	Geological Engineering	B.S. 1993
South Dakota School of Mines and Technology	Geological Engineering	M.S. 1996
University of Nebraska-Lincoln	Anthropology	M.A. 1997
University of Nebraska-Lincoln	Geography	Ph.D. 2004

### **APPOINTMENTS**

2006 – present Research Assistant Professor, Planning and Social Science Program Leader,  
National Drought Mitigation Center, School of Natural Resources, UNL  
2004 – 2006 Assistant Geoscientist, National Drought Mitigation Center, UNL  
2002 – 2004 Water Resources Specialist, National Drought Mitigation Center, UNL  
2001 – 2003 Lecturer and Teaching Assistant, Anthropology and Geography Department, UNL  
2001 – 2002 Applied Anthropologist, Development Systems/Applications Int., Lincoln, NE  
2000 – 2001 Doctoral Research Fellow, Endowed Fellowship, UNL, Lincoln, NE  
1997 – 2000 Water Resources Spec., National Drought Mitigation Center, UNL, Lincoln, NE  
1996 – 1997 Technical Assistant, United States Geological Survey, Lincoln, NE  
1994 – 1996 Hydrologic Technician (Summers), USDA Forest Service, Custer, SD  
1994 Research/Teaching Assistant, SD School of Mines & Technology, Rapid City, SD  
1993 – 1994 Project Manager, American Technical Services, Sioux Falls, SD

### **SELECTED PUBLICATIONS**

Knutson, C.L., T. Haigh, M.J. Hayes, M. Widlham, J. Nothwehr, and M. Kleinschmidt (in review) Farmer Perceptions of Sustainable Agriculture Practices and Drought Risk Reduction in Nebraska, USA, *Journal of Renewable Agriculture and Food Systems*  
Ryu, J.H., M.D. Svoboda, J.D. Lenters, T. Tadesse, and C.L. Knutson (2010) Finding Potential Extents for ENSO-Driven Hydrologic Drought Forecasts in the United States, *Climatic Change*, 101(3-4): 575-597  
UNDP (2010) *Local Climate Change Adaptation: Case Studies from the Community Water Initiative*, C.L. Knutson (Lead Author), United Nations Development Programme, New York, NY, 30 pp.  
UNISDR/NDMC (2009) *Drought Risk Reduction Practices: Contributing to the Implementation of the Hyogo Framework for Action – Second Edition*, C.L. Knutson and P. Basabe (Lead Authors), United Nations secretariat for the International Strategy for Disaster Reduction (UN/ISDR): Geneva, Switzerland, 194+vi pp.  
Knutson, C.L., (2008) Adaptation to Water Stress in the Great Plains. *Water Resources IMPACT*, Vol. 10(4), pp18-21  
Knutson, C.L., (2008) The role of water conservation in drought planning. *Journal of Soil and Water Conservation*, Vol. 63(5)

- Knutson, C.L., S. Jones, M.E. Sittler, M. Higgins, M.D. Svoboda, D.R. Kluck, and D.A. Wilhite (2008) Development of a Low Flow Early Warning System for the NOAA National Weather Service, USA, *Stream Ecology and Low Flows*, Special Issue of the *International Journal of Ecological Economics and Statistics*, Vol. 12(F08), pp. 44-57
- T. Tadesse, M. Haile, G. Senay, B. D. Wardlow, and C. L. Knutson (2008) The need for integration of drought monitoring tools for proactive food security management in sub-Saharan Africa, *Natural Resources Forum*, 32:4, pp. 303-316
- Knutson, C.L., M.J. Hayes, and M.D. Svoboda (2007) Case Study of Tribal Drought Planning: The Hualapai Tribe. *Natural Hazards Review*, Vol. 8(4), pp. 125-131
- Wilhite, D.A., M.J. Hayes, and C.L. Knutson (2005) Drought Preparedness Planning: Building Institutional Capacity. In: D.A. Wilhite (ed.), *Drought and Water Crises: Science, Technology, and Management Issues*. CRC Press: Boca Raton, FL
- Hayes, M.J., O. Wilhelmi, and C.L. Knutson (2004) Reducing Drought Risk: Bridging Theory and Practice. *Journal of Natural Hazards Review*, 5(2):106-113

### **SELECTED SYNERGISTIC ACTIVITIES**

- Co- Investigator on a NOAA-funded project to assess the decadal climate information needs of stakeholders in the Missouri River Basin
- Co-Investigator on a NASA-funded project to assess the use and value of seasonal forecasts among crop producers and water managers in the Corn Belt
- Principal Investigator on a USDA-funded project to develop a drought planning process and informational website for livestock and forage producers in the Great Plains
- Principal Investigator on a NOAA-sponsored project to develop a model water and drought information web portal for the Republican River Basin of Colorado, Nebraska, and Kansas
- Co- Investigator on a NOAA-sponsored project to develop a national “Drought Ready Communities” Certification Process
- Consultant for the State of Colorado to revise their state drought plan and develop a drought planning guide for municipalities
- Member of the Human Dimensions Working Group – USDA Heartland Water Coordination Initiative studying influences on water conservation behavior
- Serve on the National Integrated Drought Information System (NIDIS) Education and Outreach Committee to develop information and programs to foster increased drought understanding and planning among the nation’s stakeholders
- Serve as an international consultant on drought assessment and planning projects, as well as participate on the United Nations International Strategy for Disaster Reduction Drought Advisory Group, which publishes drought-related educational materials and fosters global discussions on drought mitigation and response