BIOGRAPHICAL SKETCH: CHRISTOPHER A. SCOTT

Professional Preparation

Swarthmore College	Engineering & Asian Studies (Distinction)	BS & BA, 1985
Cornell University	Hydrology (Ag. & Bio. Engr.)	MS, 1991
Cornell University	Hydrology (Ag. & Bio. Engr.)	PhD, 1998
International Water Management Inst.	Irrigation, WEF nexus policy	Postdoc, 1997-2000

Appointments

- 2006-present: Professor, Geography & Development (promoted from Assoc. Professor in 2014 and from Asst. Professor in 2010); Director, Udall Center for Studies in Public Policy (since 2017), Univ. of Arizona; affiliated faculty in Dept. Hydrology & Atmo. Sciences; Dept. Soil, Water & Environmental Science; School of Natural Resources & Environment; Arid Lands Resource Sciences; American Indian Studies; Latin American Studies.
- 2005-2006: Senior Project Specialist – Hydrometeorology, National Oceanic & Atmospheric Administration, National Weather Service, International Activities Office, Silver Spring, MD. Coordinated climate-water collaboration with Mexico and India.
- 2001-2005: Principal Researcher; Director for Asia, International Water Management Institute (IWMI), Hyderabad, India. Science-policy for water resources decision-making; water-energy nexus; extensive international project collaboration and leadership as PI on $1M+ competitive projects.
- 2000-2001: Hydrologist, IWMI at US Agency for International Development, Washington, DC.
- 1997-2000: Postdoc, promoted to Researcher, Mexico Program Leader, IWMI, Guanajuato, Mexico.
- 1994-1997: Research Associate, New York City Watershed Project, Cornell Univ., Ithaca, NY.
- 1992-1994: Project Manager, Catholic Relief Services, Tegucigalpa, Honduras.
- 1991-1992: Research Assistant, Cornell Irrigation Studies Group, Ithaca, NY.
- 1987-1989: Coordinator - Small-scale Irrigation, Seva Mandir (an NGO), Udaipur, India.
- 1985-1987: Assistant Engineer, Baker Engineers, Alexandria, VA.

Recent Publications Related to Proposed Project

Scott, C.A., T. Albrecht, R. de Grenade, A. Zuniga-Teran, R.G. Varady, B. Thapa. 2018. Water security and the pursuit of food, energy, and earth systems resilience. *Water International* 43: 1055-1074, doi: 10.1080/02508060.2018.1534564.

Albrecht, T.R., A.B. Crootof, **C.A. Scott**. 2018. The water-energy-food nexus: A systematic review of methods for nexus assessment. *Environmental Research Letters*, doi: 10.1088/1748-9326/aaa9c6.

Scott, C.A., M. Kurian, J.L. Wescoat, Jr. 2015. The water-energy-food nexus: Adaptive capacity to complex global challenges. In M. Kurian and R. Ardakanian (eds.). Governing the Nexus: Water, Soil and Waste Resources Considering Global Change, Springer, Berlin, pp. 15-38.

Scott, C.A. 2011. The water-energy-climate nexus: resources and policy outlook for aquifers in Mexico. *Water Resources Research* 47, W00L04, doi:10.1029/2011WR010805.

Scott, C.A., M.J. Pasqualetti. 2010. Energy and water resources scarcity: Critical infrastructure for growth and economic development in Arizona and Sonora. *Natural Resources Journal* 50(3): 645-682.

Other Selected Publications

Scott, C.A., Z.P. Sugg. 2015. Global energy development and climate-induced water scarcity – Physical limits, sectoral constraints, and policy imperatives. *Energies* 8(8): 8211-8225, doi: 10.3390/en8088211

Scott, C.A., S. Vicuña, I. Blanco-Gutiérrez, F. Meza, C. Varela-Ortega. 2014. Irrigation efficiency and water-policy implications for river-basin resilience. *Hydrology and Earth System Sciences* 18: 1339–1348, doi: 10.5194/hess-18-1339-2014.

Scott, C.A. 2013. Electricity for groundwater use: constraints and opportunities for adaptive response to climate change. *Environmental Research Letters* 8 (2013) 035005, doi: 10.1088/1748-9326/8/3/035005.

Scott, C.A., C.J. Bailey, R.P. Marra, G.J. Woods, K.J. Ormerod, K. Lansey. 2012. Scenario planning to address critical uncertainties for robust and resilient water-wastewater infrastructures under conditions of water scarcity and rapid development. *Water* 4: 848-868, doi: 10.3390/w4040848.

Scott, C.A., S.A. Pierce, M.J. Pasqualetti, A.L. Jones, B.E. Montz, J.H. Hoover. 2011. Policy and institutional dimensions of the water-energy nexus. *Energy Policy* 39: 6622-6630.

Synergistic Activities

Fellow - Food & Water Security, Leshner Public Engagement Institute, American Association for Advancement of Science, 2018-19.

Co-Director, AQUASEC - IAI Center of Excellence for Water Security, lead for water-enrgy-food nexus activities, 2012 – present.

Chair, United States – Mexico Binational Arid-Region Sustainability Committee, National Academy of Sciences, Engineering and Medicine; Mexican Academy of Science, 2017 – present.

PI and training coordinator, *"Adaptive water-energy management in the arid Americas,"* for 25 early- and mid-career professionals from across the Americas, with funding support from NSF OISE, Pan-American Advanced Studies Institutes, La Serena, Chile, June 24 - July 3, 2013.

Chair, Scientific Committee, *XIV World Water Congress – Adaptive Water Management: Looking to the Future*, International Water Resources Association and Secretaria de Recursos Hídricos e Energéticos (Pernambuco), Porto de Galinhas, Brazil, Sept. 25-29, 2011.