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I am an assistant professor in Drexel's Civil, Architectural, and Environmental Engineering Department, specializing in hydroclimatology and water resources management. My research themes are centered on a systems-based approach, bridging models and methods across climate science, hydrology, management, the environment, economics, and policy. I develop and assess tools and mechanisms to reduce risks and promote sustainability of water resources for developing and developed communities. This leads to understanding and managing risk at varying spatial scales (e.g. water distribution systems, multi-purpose reservoirs, basin-wide) and temporal scales (seasonal, long-term). Specific areas of focus include climate risk management, effects of climate variability and change on water systems, hydrologic forecasting and uncertainty, and policies and mechanisms designed to increase reliability and reduce vulnerability. I completed my graduate work at the University of Colorado – Boulder, followed by a 4-year stint (2-year postdoc, 2-year associate research scientist) at the International Research Institute for Climate and Society at Columbia University.