



# Technologies for Climate Change Adaptation

– The Water Sector –



This guidebook focuses on adaptation technologies and practices in the water sector. The scope of the water sector is defined by the IPCC as freshwater resources and their management. Eleven technologies and practices are described in detail here. These technologies and practices are categorized according to their contribution to climate change adaptation: diversification of water supply, groundwater recharge, preparation for extreme weather events, resilience to water quality degradation, stormwater control and capture, and water conservation.

This publication is authored by Mark Elliott, Andrew Armstrong, Joseph LoBuglio and Jamie Bartram of the Water Institute at the University of North Carolina at Chapel Hill. Professor Bartram is Director of the Institute. He was formerly the Coordinator of the World Health Organization's Water, Sanitation, Hygiene and Health programme and was the first Chair of UN-Water. The authors describe adaptation technologies from source to consumer and discuss the interfaces between water, health, development and climate change.

The guidebook will be used by the national TNA teams, which consist of stakeholders from government, non-government organizations and the private sector.

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