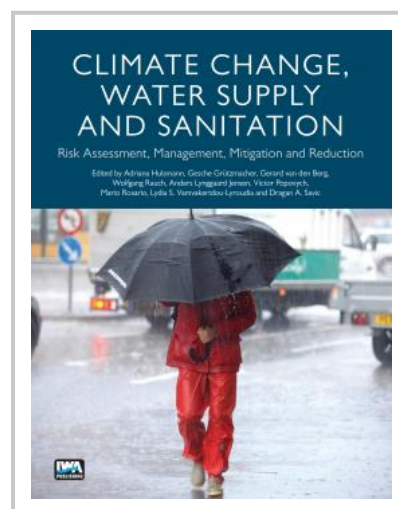


Climate Change, Water Supply and Sanitation: Risk Assessment, Management, Mitigation and Reduction

Editor(s): Adriana Hulsmann, Gesche Grützmacher, Gerard van den Berg, Wolfgang Rauch, Anders Lynggaard Jensen, Victor Popovych, Mario Rosario, Lydia S. Vamvakieridou-Lyroudia, Dragan A. Savic

Climate Change, Water Supply and Sanitation: Risk Assessment, Management, Mitigation and Reduction pulls together the final outcomes and recommendations from the PREPARED project that originated from the WSSTP (Water Supply and Sanitation Technology Platform) thematic working group Sustainable Water Management in Urban areas. The PREPARED project confirms and demonstrates the technological preparedness of water supply and sanitation systems of ten cities in Europe and also Melbourne and Seattle to adapt to the expected impacts of climate change. It shows that the water supply and sanitation systems of cities and their catchments can adapt and be resilient to the challenges of climate change; and that the technological, managerial and policy adaptation of these PREPARED cities can be cost effective, carbon efficient and exportable to other urban areas within Europe and the rest of the world.



The book:

- addresses issues related to the management of water, waste water and storm water that are impacted by climate change both in quantitative and qualitative aspects.
- addresses many of the Pan-European problems and optimises, tests and implements adaptive solutions that contribute towards an integrated and coordinated approach.
- develops adaptation strategies, considering and weighting the mitigation side of solutions to minimise our carbon- and water footprint.
- improves resilience to deal with the impact of climate change.
- contributes to the development of the knowledge base where it concerns the water supply and sanitation sector.

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Introduction, Integrated water resource management and investigation of new water resources, Adaptation of water supply systems, Storm water management, Adaptation of sanitation systems, Adaptation of operation and management

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