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one of the effects of global climate change is the increasing variability of extreme flood events and cyclones current measures to mitigate flood impacts particularly in the urban environment are based on previously planned flood risk intervals and no longer provide sufficient protection being prepared for unexpected changes and extreme flood events asks for a paradigm shift in current strategies to avoid and manage flood disasters in order to stem the increasing impact of urban floods a major rethink of current planning and flood management policies and practice is required taking into account different spatial and temporal scales this book addresses a broad spectrum of relevant issues in the emerging field of urban flood management it may act as a stimulus for further research and development in urban flood management while informing and engaging stakeholders in the promotion of integrated and cooperative approaches in water management an interdisciplinary approach which will be of interest to all those who are active in water risk and urban management

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