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ADVANCES IN URBAN FLOOD MANAGEMENT

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Advances in Urban Flood Management

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. **Advances in Urban Flood Management** provides an interdisciplinary approach which will be of interest to all those who are active in water, risk and urban management.

Background: Following an International Expert Meeting (Nov. 2004), which led to the book *Urban Flood Management*, edited by Andras Szöllösi-Nagy and Chris Zevenbergen (see right), action C22 on Urban Flood Management was launched in March 2005, as part of a COST* project. C22 brings together a large number of European research groups and aims to increase the knowledge required for preventing and mitigating potential flood impacts in urban areas. It comprises four working groups: Flood modelling and probability assessment, Flood risk assessment and mapping, Flood resilience, Integrative concepts of urban flood management. All these themes and their current results are addressed in this publication. *COST (1971): *intergovernmental framework for European Co-operation in Scientific and Technical Research*. COST Actions cover basic and pre-competitive research as well as activities of public utility.

Advances in Urban Flood Management

Edited by R. Ashley, S. Garvin, E. Pasche, A. Vassilopoulos & C. Zevenbergen

ISBN 978-0-415-43662-5

512 pages, Hardback, 17.3x24.6 cm, Price: £ 79.00, February 2007

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