



water



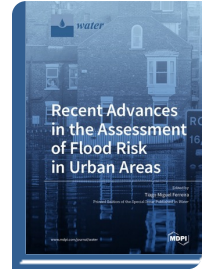
Special Issue Reprint

Recent Advances in the Assessment of Flood Risk in Urban Areas

www.mdpi.com/books/reprint/2974

Edited by
Tiago Miguel Ferreira

ISBN 978-3-03936-830-3 (Hardback)
ISBN 978-3-03936-831-0 (PDF)



The adverse effects of flood disasters in urban areas have been increasing in severity and extent over the past years. The amount of loss resulting from these events is also increasing exponentially, particularly in highly urbanised urban areas, where the effects of intensive land use and climate change are particularly extreme—all despite that our scientific knowledge, technical competence, and computational capacity to develop highly sophisticated and accurate forecasting and simulation models are higher than ever, as is our capacity to map and analyse flood-related data. In order to tackle this global issue, it is fundamental to keep on promoting and developing fundamental and applied research that allows the better targeting of interventions to improve resilience, reduce vulnerability, and enhance recovery as well as assisting decision-makers in delivering more effective flood risk-reduction policies. This book aims to contribute to this goal by providing a space in which to share and discuss recent studies and state-of-the-art methodologies focused on the assessment and mitigation of flood risk in urban areas. It includes nine high-quality chapters authored by eminent scholars who had the tremendous generosity to join me in this editorial project. The range of topics covered by these nine studies is extraordinarily vast, reflecting the complexity of the current challenges associated with the topic.



Order Your Print Copy
You can order print copies at
www.mdpi.com/books/reprint/2974

MDPI Books offers quality open access book publishing to promote the exchange of ideas and knowledge in a globalized world. MDPI Books encompasses all the benefits of open access – high availability and visibility, as well as wide and rapid dissemination. With MDPI Books, you can complement the digital version of your work with a high quality printed counterpart.



Open Access

Your scholarly work is accessible worldwide without any restrictions. All authors retain the copyright for their work distributed under the terms of the Creative Commons Attribution License.



Author Focus

Authors and editors profit from MDPI's over two decades of experience in open access publishing, our customized personal support throughout the entire publication process, and competitive processing charges as well as unique contributor discounts on book purchases.



High Quality & Rapid Publication

MDPI ensures a thorough review for all published items and provides a fast publication procedure. State-of-the-art research and time-sensitive topics are released with a minimum amount of delay.



High Visibility

Due to our global network and well-known channel partners, we ensure maximum visibility and broad dissemination. Title information of books is sent to international indexing databases and archives, such as the Directory of Open Access Books (DOAB), and the Verzeichnis Lieferbarer Bücher (VLB).



Print on Demand and Multiple Formats

MDPI Books are available for purchase and to read online at any time. Our print-on-demand service offers a sustainable, cost-effective and fast way to publish MDPI Books printed versions.