



Design for Flooding: Architecture, Landscape, and Urban Design for Resilience to Climate Change

By Donald Watson, Michele Adams

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“*Design for Flooding* contains considerable useful information for practitioners and students. Watson and Adams fill the void for new thinking...and they advance our ability to create more sustainable, regenerative, and resilient places.”
—**Landscape Architecture Magazine**

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Editorial Review

From the Back Cover

The complete guide to planning and design for water sustainability, as well as flooding and natural disasters

Architects, urban planners, and urban designers, as well as water resources engineers and landscape architects will discover that *Design for Flooding* presents the best practices and lessons to create buildings and communities that are more resilient in the face of severe weather, climate change, and the prospect of rising sea level.

Design for Flooding covers technical and institutional issues—along with new design and business opportunities—built upon:

- Fundamentals of climate and weather, stormwater and floodplain management
- Best practices of flood-resistant design and adaption to sea level rise
- Multidisciplinary design that integrates sound ecological and engineering principles
- Innovative design and construction to protect and improve water security

"*Design for Flooding* defines the need and opportunity for planners, architects, landscape architects, engineers, and conservation biologists to work together to develop the mix of inland and coastal flooding solutions required for a comprehensive response to climate change."

—From the Foreword by Daniel Williams, FAIA, author of *Sustainable Design: Ecology, Architecture, and Planning*

"*Design for Flooding* should be a major tool for the design professions, for public agencies, and for civic activists, indeed for everyone who wishes to bring a genuinely 'intelligent' design for water to their communities. It is a call to action and demonstrates that we have the knowledge, the tools, and the capability to better manage the water system on which we depend."

—From the Foreword by Carol Franklin, FASLA

A portfolio of award-winning designs illustrates practical and visionary projects to prepare for a resilient future, including:

- A case study of Climate's Long-term Impacts on Metro Boston (CLIMB) analyzes four alternatives to prepare for climate change
- A design charrette sponsored by The Regional Plan Association of New York illustrates creative concepts for waterfront revitalization and flood protection
- Lessons from the Netherlands, Japan, and the United States indicate the effectiveness of long-term preparedness planning combined with phased mitigation and renewal projects
- Examples include renovations and small buildings, showing how every project at any scale is a design opportunity to increase the sustainability and resilience of our communities, water, and ecosystem services

About the Author

Donald Watson, FAIA, an architect and planner, is former chair of the Yale School of Architecture Environmental Design Program, and former professor and dean of the School of Architecture, Rensselaer

Polytechnic Institute. He received the 2002 ACSA Distinguished Professor Award and the 2005 AARC Haecker Leadership Award for Architectural Research. His publications include *Climatic Building Design*, winner in the Architecture and Urban Planning category of the American Publishers Award for Professional and Scholarly Excellence.

Michele Adams, P.E., a water resources engineer, is principal and founder of Meliora Environmental Design in Kimberton, Pennsylvania. Her work encompasses environmentally sensitive site design and sustainable water resources engineering.

Users Review

From reader reviews:

Matthew Waddell:

Do you certainly one of people who can't read gratifying if the sentence chained inside straightway, hold on guys that aren't like that. This Design for Flooding: Architecture, Landscape, and Urban Design for Resilience to Climate Change book is readable by simply you who hate those straight word style. You will find the facts here are arrange for enjoyable looking at experience without leaving even decrease the knowledge that want to give to you. The writer associated with Design for Flooding: Architecture, Landscape, and Urban Design for Resilience to Climate Change content conveys the idea easily to understand by a lot of people. The printed and e-book are not different in the written content but it just different such as it. So , do you nonetheless thinking Design for Flooding: Architecture, Landscape, and Urban Design for Resilience to Climate Change is not loveable to be your top listing reading book?

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Nathaniel Cornelius:

Playing with family inside a park, coming to see the coastal world or hanging out with friends is thing that usually you will have done when you have spare time, and then why you don't try issue that really opposite from that. One particular activity that make you not sensation tired but still relaxing, trilling like on roller coaster you have been ride on and with addition associated with. Even you love Design for Flooding: Architecture, Landscape, and Urban Design for Resilience to Climate Change, you can enjoy both. It is very good combination right, you still desire to miss it? What kind of hangout type is it? Oh can happen its mind hangout fellas. What? Still don't get it, oh come on its referred to as reading friends.

Miranda Wenger:

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