

IDRT Launches New Book:

Coastal Flood Risk Reduction: The Netherlands and the U.S. Upper Texas Coast

In recognition of the lack of systematic research and the growing societal need to better understand flood impacts, this edited book provides an in-depth, comparative evaluation of flood problems and solutions in two key places: the Netherlands and the U.S. Upper Texas Coast. Both regions are extremely flood-prone and have experienced continual adverse impacts throughout their histories. For researchers in flood management, geographers, hydrologists, environmental studies, and social science as well as policymakers and decision-makers in flood management authorities and related industries, this book provides an essential resource.

This comprehensive resource represents the culmination of a 5-year international research and education partnership funded by the U.S. National Science Foundation (NSF) and more than 10 years of collaboration between Dutch and U.S. flood experts on the basic issue of how to protect society from growing flood risks. It features multiple case studies integrating the fields of engineering, hydrology, landscape architecture, economics, and planning that address the underlying characteristics of physical flood risks and their prediction; human communities and the associated built environment; physical, social, and built-environment variables; and mitigation techniques.

The book was edited by Samuel Brody, Director at the Institute for a Disaster Resilient Texas, and Professor in the Department of Marine and Coastal Environmental Science, Texas A&M University, Galveston Campus; Yoonjeong Lee, Associate Research Scientist at the Institute for a Disaster Resilient Texas, and Adjunct Faculty in the Department of Marine and Coastal Environmental Science, Texas A&M University, Galveston Campus; and Baukje Kothuis, a Research Associate in the Faculty of Civil Engineering, Hydraulic Structures and Flood Risk, TU Delft, Delft, The Netherlands, and Chief Representative, Netherlands Business Support Office, Houston, TX.

