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| Altri autori (Persone) | van der KeurPeter Van CauwenberghNora Le CoentPhilippe GiordanoRaffaele |
| Disciplina | 333.91 |
| Soggetti | Human ecology - Study and teaching Water Hydrology Urban ecology (Biology) Geography Natural disasters Freshwater ecology Marine ecology Environmental Studies Urban Ecology Regional Geography Natural Hazards Freshwater and Marine Ecology |
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| Nota di contenuto | SECTION 1: CONCEPTUAL FRAMING -- Chapter 1: Introduction- water security / NBS-NAS context -- Chapter 2: Natural Assurance Schemes: NAS making a case for NBS for risk reduction and prevention -- Chapter 3: The Assurance and the Insurance Value of Ecosystems -- SECTION 2: ASSESSMENT, TOOLS AND METHODS -- Chapter 4: |

Methodologies to assess and map NBS effect -- Chapter 5: Risk perception in implementation of NBS -- Chapter 6: Economic assessment of NBS for water-risk reduction and co-benefits -- SECTION 3: INTEGRATION PROCESSES -- Chapter 7: Integrated Decision Support for Adaptive Planning -- Chapter 8: Business models for NBS implementation -- Chapter 9: Developing an implementation strategy for hybrid water security strategies: closing the implementation gap -- SECTION 4: DEMONSTRATION IN CASE STUDIES -- Chapter 10: ROMANIA Lower Danube Case Case Study -- Chapter 11: SPAIN Medina Case Case Study -- Chapter 12: UNITED KINGDOM Thames Case Case study -- Chapter 13: FRANCE Brague Case Study -- Chapter 14: FRANCE Lez Case Study -- Chapter 15: SLOVENIA Glinscica Case Study -- Chapter 16: THE NETHERLANDS Rotterdam Case Study -- Chapter 17: DENMARK Copenhagen Case Study -- Chapter 18: POLAND Lodz Case study.

Sommario/riassunto

Confronted with an increase in floods, droughts and other natural hazards, cities and regions are alert to find climate proof solutions that overcome the limitations of traditional grey infrastructure. Nature-based solutions are proposed as a valid way to address risk and adapt to climate change while increasing resilience through the multiple benefits they generate. However, in spite of the widespread academic and political support for NBS, their implementation is lacking. As key barriers to implementation there are institutional and regulatory barriers, an absence of clear evaluation of NBS performance, funding/financing barriers and knowledge and acceptance barriers. This Open Access book provides a hands-on guide to overcome these barriers, through the stepwise creation of nature-assurance schemes that operationalize the insurance value of ecosystems. At the basis thereof is an integrated biophysical, economic and social assessment which is integrated with implementation considerations through the generation of business models and blended funding and financing schemes. This book will be of interest to practitioners and researchers who want to better understand how to operationalize the insurance value of ecosystems. The book provides 9 DEMO examples on the application of this method across different scales: urban, medium and large catchments and target both floods and droughts.
