Record Nr. UNINA9910739453703321 Regional perspectives of nature-based solutions for water : benefits **Titolo** and challenges / / edited by Nevelina Pachova [and three others] Pubbl/distr/stampa Cham, Switzerland:,: Springer,, [2023] ©2023 **ISBN** 3-031-18412-2 Edizione [1st ed. 2022.] Descrizione fisica 1 online resource (264 pages) Collana Applied Environmental Science and Engineering for a Sustainable Future, , 2570-2173 628.1091732 Disciplina Soggetti Municipal water supply Environmental aspects Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Chapter 1: Introduction Nature-based solutions for urban water management: challenges and opportunities in the context of Asia --Chapter 2: Types of Nature-based Solutions for water, their functions and suitability -- Chapter 3: Constructed floating wetlands for the treatment of surface waters and industrial wastewaters -- Chapter 4: Nature based solutions for water management in England: contribution to biodiversity net-gain in urban areas -- Chapter 5: Applications of Nature-based Solutions in Urban Water Management in Singapore, Thailand and Viet Nam, a review -- Chapter 6: Wastewater pollution in urban canals of Vietnam: Restoration using nature-based solutions --Chapter 7: Nature-based solutions for domestic wastewater treatment in the Philippines -- Chapter 8: Application of Floating Wetlands as a Nature Based Solution for Water Reclamation of Urban Lakes in Sri Lanka and Development of an Appropriate Assessment Criterion --Chapter 9: Role of Information and Communication Technology (ICT) in following Global Standard for NbS: The Bangladesh Perspective. Nature-based solutions (NbS) are solutions inspired or supported by Sommario/riassunto nature. They include ecosystem conservation and restoration measures, as well as the creation or enhancement of natural processes in manmade ecosystems, such as cities. Recent interest in NbS has emphasized their importance for urban water management and cities

across the world have begun to experiment with them. Experiences from different contexts, however, are not adequately captured and understood. This book aims to address this gap by compiling case studies and reviews that explore NbS for urban water management from different regions and perspectives and highlight emerging challenges and opportunities for harnessing their potential.