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	Water-supply
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	Climatic changes
	Quality control
	Reliability
	Industrial safety
	Environmental management
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	Aigua - Abastament
	Canvis climatics
	Gestio ampiental
	Recursos hidraulics - Explotacio
	/ Aquatic Pollution
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Nota di contenuto	Chapter 1. Nature-based Solutions Chapter 2.EIP Action Group NatureWat (AG228) Chapter 3. Nature-based Solutions – Technology Portfolio Chapter 4. Reclaimed Water Chapter 5. Constraints and Barriers to the adoption of NBS Chapter 6. Local, Regional and Global Potential of NBS.
Sommario/riassunto	This book aims to define the concept of Nature Based Solutions (NBS) by using case studies from members of the European Innovation Partnership (EIP) Water Action Group - NatureWat. NBS is defined and characterized in terms of water source, contaminants, removal mechanisms and resource recovery potential. The case studies presented illustrate the appropriateness of NBS promoting climate resilience. Readers will discover a technology portfolio based on a number of demonstration sites in the fields of climate change adaption, water and wastewater treatment, resource recovery and re-use, and restoring ecosystems to promote the use of nature based solutions. The chapters in the book present a multidisciplinary approach involving social scientists, governance representatives and engineers. The underlying philosophy of the book is the circular economy of water which prioritizes the concepts of resource recovery and resilience within water resource management. The first section of the book presents the background and objectives of the study, and how the action group aims to promote the use of nature based solutions through its diverse technology portfolio. Particular attention is given to the goals of finding cost-effective solutions for wastewater treatment, climate change mitigation, disaster risk reduction, flood protection, greening cities, degraded areas restoration and biodiversity preservation. The chapter on reclaimed water addresses water reuse and defines the term fit for purpose. Barriers and limitations related to NBS for water resource management are discussed. The book concludes with several case studies at local, regional and global levels which illustrate the application of a hybrid green and grey infrastructure with nature based solutions which combines centralised and decentralised systems to optimise the reclamation of water for reuse in a fit for purpose model.