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Collana	Springer Hydrogeology, , 2364-6454
Disciplina	628.21
Soggetti	Aquatic ecology Environmental management Hydrology Water pollution Freshwater & Marine Ecology Water Policy/Water Governance/Water Management Hydrology/Water Resources Waste Water Technology / Water Pollution Control / Water Management / Aquatic Pollution
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Stormwater management in urbanised areas -- Review of the implementation process of sustainable stormwater management in the Czech Republic -- Storm water management in urbanised areas -- Pretreatment of stormwater -- Stormwater management and retention in urban catchment -- The analysis of possibilities of using the rainwater harvesting systems in residential buildings in Poland -- Research of infiltration facility efficiency and quality of rainwater harvested from surface runoff in real conditions -- Stormwater management in compliance with sustainable design of buildings -- Protection of slopes against erosion by flowing rain water -- Classification, resources and elimination of xenobiotics in stormwater -- Basic principles of the Czech technical standard ON Sustainable stormwater management -- The law regulations on the subject of

rainwater management in Poland.

Sommario/riassunto

This book reviews the current state of the art in managing infrastructure, urban regions, industrial regions and inhabited areas with respect to flooding and water damage. The author is a well-known expert in storm water management, and this book gives a broad overview of the different manageable components that play a role in storm water risks. It includes chapters on planning infrastructure and regional development, modifications in urban regions and localities with buildings and historical buildings, covering different city types and residential areas, housing and commercial zones, as well as housing development. The author then goes on to review different hydrological conditions that make areas safer, or more prone to storm water threats, and capture and store storm water. The last part of the books covers sealed infrastructure and their role in storm water hazards, including roads, public spaces, roofs, and others.
