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“Sponge City” in China—A breakthrough of planning and flood risk management in the urban context

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Description / Abstract

This paper aims to explicate the Sponge city concept and its development, and consider the implications of the transformation of urban land-use planning and urban-water management practice in China. To achieve the dual goals of sustainable water-use and better flood control (as targeted by the Sponge City concept), more effective development and implementation of land-use guidance and assessment tools (with explicit integration of urban flood-risk assessment, land-drainage guidance, climate projection methods, and assessment of long-term sustainability) are recommended.

Publication year

2018

Publisher

Land Use Policy

Keywords

Marketing Mechanisms

Thematic Tagging

Ecosystems/Nature-based solutions Water services

Language English

Related IWRM Tools



Tool

Nature Based Solutions

C3.04

Source URL: <https://iwrmaactionhub.org/resource/sponge-city-china-breakthrough-planning-and-flood-risk-management-urban-context>