



## The Management of Urban Stormwater at Block-Level (MUST-B): A new approach for potential analysis of decentralized stormwater management systems

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## Background

Cities worldwide are facing challenges to mitigate the impact of urban stormwater runoff caused by the increasing occurrence of heavy storm events combined with urban re-densification. The implementation of the Low Impact developments (LIDs) has been proven to be an effective measure to tackle these challenges in many urban areas. In this regard, the MUST-B approach has been developed to carry out a potential analysis of the LIDs to show the transformation capacity of the existing urban area towards sustainable and decentralized management of stormwater.



## **MUST-B Key Features**

- MUST-B approach uses the Urban Block as the smallest functional unit for the potential analysis
- Avoidance/minimisation of stormwater transport within the city
- Stormwater must remain within the block
- Easy up- and downscaling process



**Reference** Khurelbaatar G, van Afferden M, Ueberham M, Stefan M, Geyler S, Müller RA. Management of Urban Stormwater at Block-Level (MUST-B): A New Approach for Potential Analysis of Decentralized Stormwater Management Systems. *Water*. 2021.

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