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Assessing non-material benefits [& possible drawbacks] of Blue-Green infrastructure in relation to their technical performance

The research focuses on urban blue-green infrastructure, as landscape ecological solutions for urban flood management. It aims at applying human perspectives on blue-green techniques by studying relations between water-related climate change adaptation and its non-material benefits. Sustainable urban drainage system can be a binary system. It is not only a system that provides technical support to urban physical planning, it can also support the urban life outcomes of the physical plans. Accordingly, if the drainage concept is integrated in physical planning and urban design, of course in line with other concepts, it is likely to become a win-win situation. Hence, the research tries to understand the process and the influence of implementation of Blue-Green solutions on the built environment by investigating the interaction between their material and nonmaterial benefits. The research explores different perception on blue-green spaces and the goal is to understand how blue-green urban stormwater techniques affect the quality of urban environments in relation to everyday life.