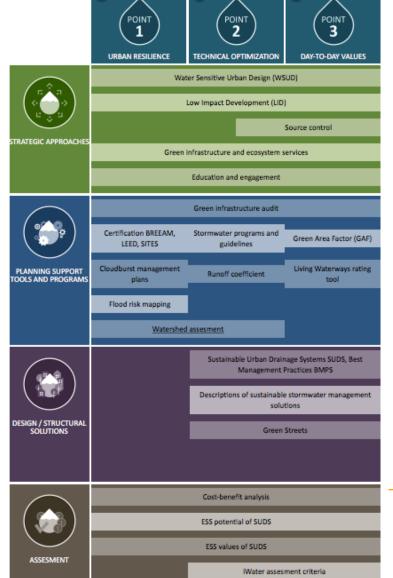


iWater toolbox

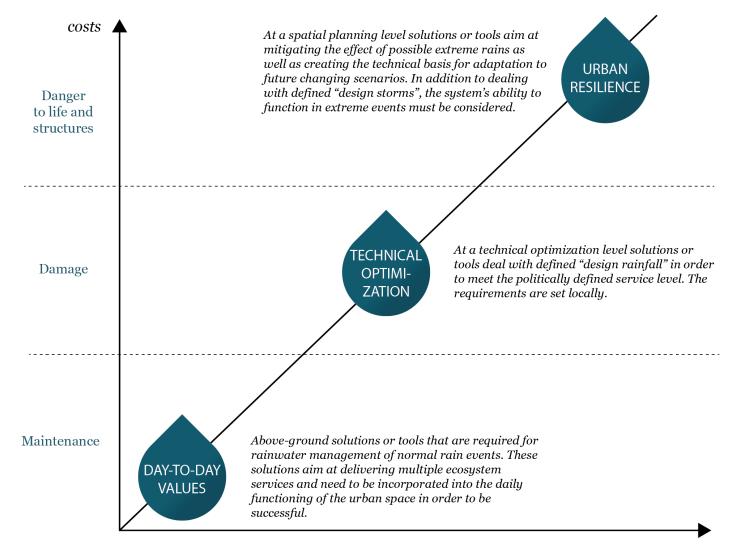
Elisa Lähde 7.5.2018

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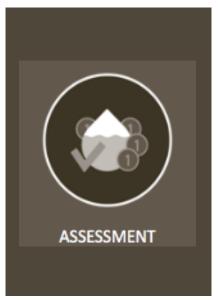












Green Infrastructure

Green infrastructure is often defined as a network of natural and semi- natural features that intersperse and connect the built environment and structures. This network may include elements, such as forests, parks, green roofs, and street trees, as well as blue elements including rivers and wetlands. This infrastructure delivers ecosystem services.















Sustainable stormwater management solutions

The toolsheet introduces various different techniques for sustainable stormwater management. The purpose is to give an idea of different kinds of solutions and techniques available and commonly utilised.









iWater assessment criteria

6/6

Climate change adaptation

Climate change will probably increase the amount and frequency of precipita-tion. The problems related to the conventional drainage systems are: limited capacity, poor water quality management, and inflexibility. The natural hydrolo-gy of the site is often changed. Multifunctional and innovative sustainable stormwater management has the potential to increase the resiliency of the site.

What is the space requirement for the solution?
Does the solution limit other urban functions?
Does the solution allow natural hydrological fluctuation?
Does the solution function in different circumstances (dry season, nor mal rain event, rainstorm)?
Does the solution provide opportunities for flexibility and adaptation in different circumstances and possibly increasing precipitation?
Is the solution potentially resilient? What kind of rainfall event can be handled by the solution and does a backup system need to be organized?







Thank you

toolbox.integratedstormwater.eu

elisa.lahde@aalto.fi

