## **Climate Resilient City Tool Documentation**

This documentation is divided into the following sections:

A general description on setting targets for the Key Performance Indicators can be found in KPIs.

A more detailed description on the calculations of the runoff factor (storage-drainage frequency curves) can be found in Calculation of runoff-factor.

The Urban Water Balance model is described in Urban Water balance model.

The selection and ranking tool is described in Selection Tool and the the scores that are used to rank the measures are listed in Selection tool scores table.

A full overview of potential adaptation interventions can be downloaded here:





## Literature

McEvoy S., F.H.M. van de Ven, R. Brolsma, J. H. Slinger, Evaluating a Planning Support System's use and effects in urban adaptation: an exploratory case study from Berlin, Germany, Sustainability 2020 https://doi.org/10.3390/su12010173

McEvoy S (2019) Planning support tools in urban adaptation practice. PhD thesis, TU Delft, https://doi.org/10.4233/uuid:48b7649c-5062-4c97-bba7-970fc92d7bbf or https://repository.tudelft.nl/islandora/object/uuid%3A48b7649c-5062-4c97-bba7-970fc92d7bbf

McEvoy S, FHM van de Ven, MW Blind, JH Slinger (2018) Planning support tools and their effects in participatory urban adaptation workshops, Journal of Environmental Management, Volume 207, 1 February 2018, Pages 319-333, https://doi.org/10.1016/j.jenvman.2017.10.041

Van de Ven FHM, RPH Snep, S Koole, RJ Brolsma, R van der Brugge, J Spijker, T Vergroesen (2016) Adaptation Planning Support Toolbox: Measurable performance information based tools for co-creation of resilient, ecosystem-based urban plans with urban designers, decision-makers and stakeholders, Environmental Science & Policy, Volume 66, 2016, Pages 427-436, https://doi.org/10.1016/j.envsci.2016.06.010

Voskamp IM, Van de Ven FHM (2015) Planning support system for climate adaptation: Composing effective sets of blue-green measures to reduce urban vulnerability to extreme weather events. Building and Environment 83, p 159-167. http://dx.doi.org/10.1016/j.buildenv.2014.07.018

How Ecosystem-based solutions can develop climate resilient cities, ADB, <a href="https://development.asia/explainer/how-ecosystem-based-solutions-can-develop-climate-resilient-cities">https://development.asia/explainer/how-ecosystem-based-solutions-can-develop-climate-resilient-cities</a>