

Climate Resilient City Tool Documentation

This documentation is divided into the following sections:

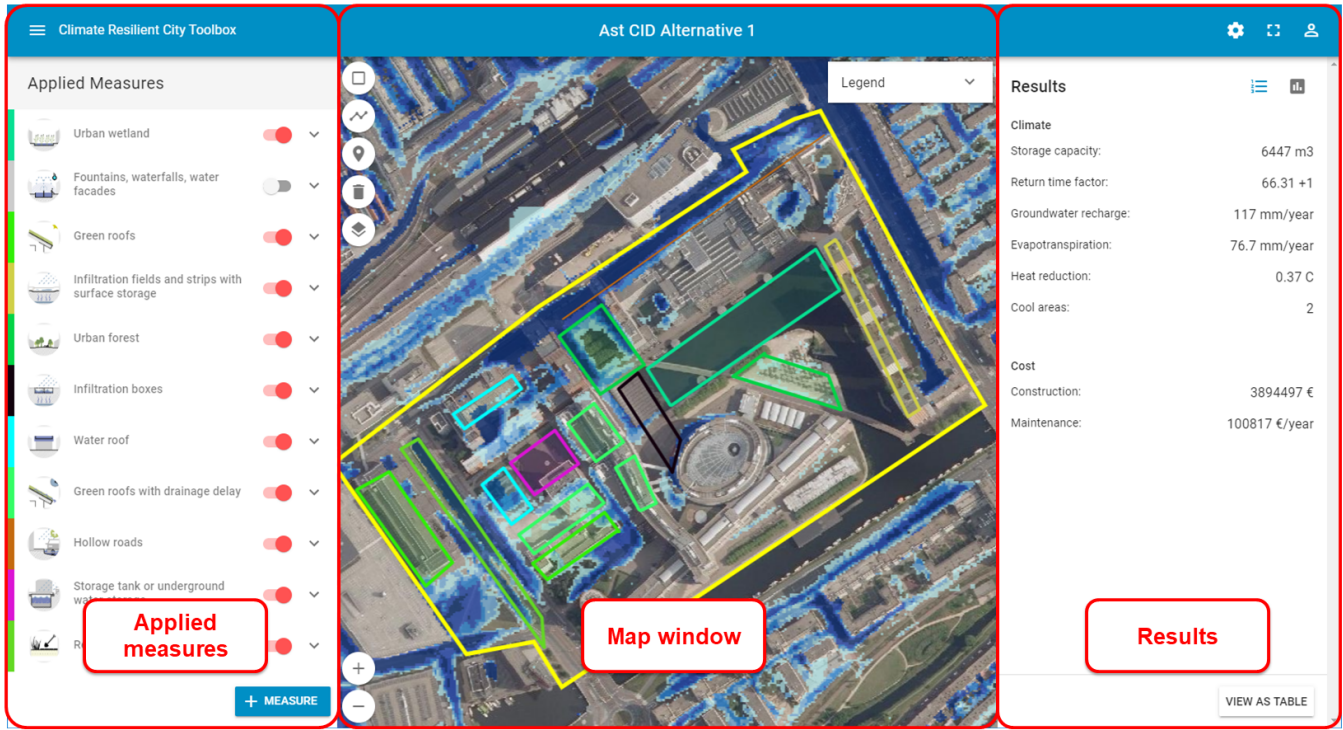
A general description on setting targets for the Key Performance Indicators can be found in [KPIs](#).

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, <https://development.asia/explainer/how-ecosystem-based-solutions-can-develop-climate-resilient-cities>