

Data collection frequency	Annually; at minimum before and after NBS implementation
Level of expertise required	Low
Synergies with other indicators	Assessed from <i>Mean or peak daytime temperature</i> indicator and connected with <i>Heatwave Risk</i> indicator
Connection with SDGs	SDG 3 Good health and well-being, SDG 11 Sustainable cities and communities, SDG 13 Climate action
Opportunities for participatory data collection	No opportunities identified
Additional information	
References	<p>Van Hove, L.W.A., Jacobs, C.M.J., Heusinkveld, B.G., Elbers, J.A., van Driel, B.L., & Holtslag, A.A.M. (2015). Temporal and spatial variability of urban heat island and thermal comfort within the Rotterdam agglomeration. <i>Building and Environment</i>, 83, 91-103.</p> <p>United States Environmental Protection Agency. (2006). Excessive Heat Events Guidebook. Retrieved from https://www.epa.gov/sites/production/files/2016-03/documents/ehguide_final.pdf</p>

6.49 Effective drought index

Project Name: PHUSICOS (Grant Agreement no. 776681)

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Effective Drought Index	Natural and Climate Hazards
Description and justification	Indicators of Drought Risk Resilience sub-criterion will assess the site response to drought phenomena based on susceptibility indicators: land use cover, temperature, moisture, wet weather.
Definition	Byun & Wilhite (1999) developed the Effective Drought Index (EDI), which is an intensive measure that considers daily water accumulation with a weighting function for time passage.

Strengths and weaknesses	
Measurement procedure and tool	The EDI can be calculated with literature formulations. Rain data are needed.
Scale of measurement	Dimensionless
Data source	
Required data	Metrological data (Model)
Data input type	Quantitative
Data collection frequency	
Level of expertise required	High
Synergies with other indicators	
Connection with SDGs	13
Opportunities for participatory data collection	
Additional information	
References	Byun H.R., Wilhite D.A. (1999). Objective Quantification of Drought Severity and Duration. <i>Journal of Climate</i> , 12, 2747-2756. DOI: 10.1175/1520-0442(1999)0122.0.CO;2

6.50 Standardized Precipitation Index

Project Name: PHUSICOS (Grant Agreement no. 776681)

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Standardized Precipitation Index		Natural and Climate Hazards
Description and justification	Indicators of Drought Risk Resilience sub-criterion will assess the site response to drought phenomena based on	