4.34 Calculated drinking water provision

Project Name: URBAN GreenUP (Grant Agreement no. 730426)

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Calculated drinking water provision	**Water Management** **Natural and Climate Hazards**
Description and cation	Drinking water is commonly stored in dams and water wells, and distributed from them to the consumers. This KPI evaluates the available drinking water in damps or other fonts, and the water which is actually distributed to the consumers in a city or in defined area of a city.
Definition	Measurement method for the drinking water supplied to the consumers, or/and available water provision.
Strengths and weaknesses	+ Each consumer has their own meters, so it is possible to measure the provision in terms of amount of water per flat, building and/or any other facilities - This KPI may require permission to access data
Measurement procedure and tool	Domestic consumption of water is measured by water flow meters, so it can be monitor by the water company/service. With this detailed monitoring consumption of the water can be calculated as $m^3 * ha^{-1} * year^{-1}$. Apart from supplied water, volume of available drinking water is calculated with the measurement of height of water in dams and water wells. Dimensions of the dams and wells are known and the height of water gives the current volume and occupancy rate of dams.
Scale of measurement	City
Data source	
Required data	Water flows and water levels
Data input type	Numeric data and geographic data
Data collection frequency	Yearly
Level of expertise required	Technical
Synergies with other indicators	Abortion capacity of green surfaces, bioretention structures and single trees, run-off coefficient in relation to precipitation quantities.

Connection with SDGs	This KPI is directly related with SDG 6 and SDG 11 and indirectly is related with SDG 3 (access to drinking water is a key part of the health and wellbeing).
Opportunities for participatory data collection	This is not a KPI open to participatory collaboration.
Additional information	
References	URBAN GreenUP Deliverable D2.4 - Monitoring program to Valladolid. https://www.urbangreenup.eu/insights/deliverables/d2-4---monitoring-program-to-valladolid.kl URBAN GreenUP Deliverable D3.4 - Monitoring program to Liverpool https://www.urbangreenup.eu/insights/deliverables/d3-4---monitoring-

4.35 Net surface water availability

Project Name: NAIAD (Grant Agreement no. 730497)

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Net surface water availability	**Water Management Natural and Climate Hazards**
Description and cation	Provides an indication of the capacity of available surface water resources to meet the water demands.
Definition	Difference between surface water supply and demand (m^3/year)
Strengths and weaknesses	