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Abstract: The paper discusses the problem of increasing population and associated water usage in cities. With this in mind, an attempt was made to use Water Footprint (WFTP) indicator as a tool facilitating decision-making process in order to improve water management in urban areas. A need for preparing water balance analysis of cities was demonstrated and examples of indicators so far developed given, addressing that need. Furthermore, a new term of Urban WFTP indicator for urban areas was introduced and its justification. Methodological basis and examples of its calculation were provided. Finally, purposefulness of knowledge dissemination was demonstrated regarding urban water balance modeling as well as developing long-term modernization strategies for water supply and sewage systems. This will also enable an increase in water resource management rationalization factor in urban areas, but also will support development and implementation of new technologies and alternative solutions as regards natural water cycle.

Keywords: Water Footprint, urban area, urban water balance.