

6 Ensuring the availability and sustainable management of drinking water and sanitation for all

6.4 By 2030, substantially increase the efficiency of water use in all sectors and ensure sustainable withdrawals and fresh water supply to address water scarcity, and substantially reduce the number of people suffering from water scarcity

6.4.1 Changing the efficiency of water use over time

Efficiency in the use of water over time

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Ministry of Public Works, Housing and Water Resources

Alcino Nhacume; Amélia Mabota; Marlene Maciel

National Directorate of Water Supply and Sanitation

Alcino Nhacume - Head of Department; Amélia Mabota - Technician; Marlene Maciel - Technique

Alcino Nhacume - 846463364; Amélia Mabota - 823817060

anhacume@dnaas.gov.mz; ameliamabota@dnaas.gov.mz; mmaciel@dnaas.gov.mz

anhacume@yahoo.com.br; ameliamabota@gmail.com; marlenmaciel89@gmail.com

The change in the efficiency of water use is defined as the change in the ratio of value added to the volume of water use over time. Efficiency in the use of water is defined as the added value of a given sector divided by the volume of water used.

Dollars per cubic meter (usd / m ³)

Ministry of Public Works, Housing and Water Resources (National Directorate of Water Supply and Sanitation): Administrative data.

Data are collected through Meetings and, or institutional work meetings of the technical planning teams

The next data collection is expected to take place by December 2020

January 2021

Ministry of Public Works, Housing and Water Resources and other Government organizations: Agriculture, Industry and Services.

Ministry of Public Works, Housing and Water Resources National Directorate of Water Supply and Sanitation

In accordance with Ministerial Diploma No. 72/2012, INE delegated powers of notation and calculation of statistical data to the MOPH, through the Bakery and Cooperation Directorate which has the following duties: (i) to prepare and coordinate the planning process of the area Aguaz and Sanitation; (ii) preparing medium and long-term plans for the water sector and monitoring its implementation; (iii) monitor the execution of investment plans and propose corrective measures; and, (iv) assess and monitor the activities in the area

The logic behind this indicator consists of providing information on the efficiency of the economic and social use of water resources, that is, the added value generated by the use of water in the main

sectors of the economy and losses in the distribution network. The baseline value for changing water use efficiency is 6.45 USD / m³ and is expected to reach 9.4 usd / m³ in 2030 which would be optimal since the average global investment at a considerable level is 9.4 usd / m³

Water bodies still face, to a limited extent, some water quality challenges, mostly related to pollution due to returns from irrigation and urban effluents upstream in neighboring countries (in some of the shared basins) and due to mining activity, unregulated land uses in some watercourses and saline intrusion.

Mozambique is located downstream from all basins shared with other countries, except for the Rovuma basin. In some of these basins there is already an intensive use of water in the upstream countries, especially in agriculture

Water use efficiency is calculated as the sum of the three sectors listed above, weighted according to the proportion of water used by each sector over total use. Formally:

$$WUE = A_{we} \times P_A + M_{we} \times P_M + S_{we} \times P_S$$

Monitoring of the results of data compilation is carried out by technicians from the Ministry of Public Works, Housing and Water Resources

In the process of creating the Quality Management System at the level of the National Statistical System.

Meetings with the main players in the integrated water resources management process for data collection and analysis of its consistency.

The instruments for assessing the quality of statistical processes and products at the level of the National Statistical System are still being developed based on the 19 quality principles established by the United Nations Statistical Commission.

Data are available annually and have no breakdown.

Uses the calculation methodology defined by the United Nations.

Water Law (Law No. 16/91 of August 3; Action Plan for the Implementation of the Water Supply and Sanitation Development Goals 2015-2030, *Resolution Nr. 40/2018, of October 24, 2018* ; PRONASAR