

U N	Goal	6. Ensure availability and sustainable management of water and sanitation for all
	Target	6.4 By 2030, substantially increase water-use efficiency across all sectors and ensure sustainable withdrawals and supply of freshwater to address water scarcity and substantially reduce the number of people suffering from water scarcity
	Indicator	6.4.1 Change in water-use efficiency over time

## I. Global indicator

<Type 2>

Indicator	Change in water-use efficiency over time
Definition	<p>The change in water use efficiency, which is the change in the ratio of the value added to the volume of water use, over time, expressed in USD/m<sup>3</sup>.</p> <p>Water use refers to specific activities for which water is serviced, and water use efficiency includes efficiency of water use for irrigation, major industries, and services.</p>

## II. Data description

[Data] Level of water stress: freshwater withdrawal as a proportion of available freshwater resources

Calculation method	$WUE = A_{we} \times P_A + M_{we} \times P_M + S_{we} \times P_S$ <p>Where:</p> <p>WUE = Water use efficiency  <math>A_{we}</math> = Irrigated agriculture water use efficiency [USD/m<sup>3</sup>]  <math>M_{we}</math> = MIMEC water use efficiency [USD/m<sup>3</sup>]  <math>S_{we}</math> = Services water use efficiency [USD/m<sup>3</sup>]  <math>P_A</math> = Proportion of water used by the agricultural sector over the total use  <math>P_M</math> = Proportion of water used by the MIMEC sector over the total use  <math>P_S</math> = Proportion of water used by the service sector over the total use</p>
Unit	USD/m <sup>3</sup>
Data sources	Data collection is done through FAO's global information system on water and agriculture (AQUASTAT) and the AQUASTAT questionnaire on water and agriculture. The data collection process relies on a network of National Correspondents, officially nominated by their respective countries.
Calendar	<p>■ Time series: 2000-2018 (All data for Korea are included)</p> <p>■ Data release: Annually</p>
Organizations	FAO (Food and Agriculture Organization of the United Nations)
Global indicator link	<p>■ Metadata: <a href="https://unstats.un.org/sdgs/metadata/files/Metadata-06-04-01.pdf">https://unstats.un.org/sdgs/metadata/files/Metadata-06-04-01.pdf</a></p> <p>■ Data: <a href="https://unstats.un.org/sdgs/indicators/database/">https://unstats.un.org/sdgs/indicators/database/</a></p>