UN		
	Goal	6. Ensure availability and sustainable management of water and sanitation for all
	Target	6.3 By 2030, improve water quality by reducing pollution, eliminating dumping and minimizing release of hazardous chemicals and materials, halving the proportion of untreated wastewater and substantially increasing recycling and safe reuse globally
	Indicator	**6.3.1 Proportion of domestic and industrial wastewater flows safely treated**

I. National indicator

〈Type 3〉

Indicator	(a) Total volume of sewage generated, (b) Total volume of wastewater generated
Definition	(a) The total volume of sewage generated is the sum of the water flow contaminated with liquid or solid substances created from human living or economic activities("wastewater"), rainwater, and groundwater that flow from buildings, roads, and other facilities to sewerage systems. (b) Wastewater generation refers to the amount of wastewater discharge from wastewater discharge facilities due to production activities. That is, (b) refers to the total generation of wastewater including wastewater reused at the final discharging point after treatment but excluding wastewater recirculated or reused before it is introduced to wastewater treatment or within the treatment process. * Note: Wastewater does not include domestic wastewater and pure (indirect) coolants but include direct coolant wastewater and wastewater containing specific water pollutants.

II. National indicator's source

[Data ①] Total volume of sewage generated	
Calculation method	$\sum_{i=1}^{n}\frac{(A_i \times Lpcd_i \times Y_i \times R_i)}{1{,}000} + \sum_{i=1}^{n}\frac{(O_i \times Lpcd_i \times Y_i \times R_i)}{1{,}000}$ where, Ai = residents within sewage treatment area, Oi = residents outside sewage treatment area, Yi = effective yield, Ri = wastewater conversion rate
Unit	m3/d
Data sources	▌Source: Sewage Statistics ▌Collection method: Reported administrative statistics
Calendar	▌Frequency: Annually (Jan 1 - Dec 31 of the reference year) ▌Data release: December in the following year
Organizations	Domestic Wastewater Division(Tel. 044-201-7022), Water Environment Policy Bureau, Ministry of Environment
Related International Agency	OECD

[Data ②] Total volume of wastewater genrated	
Calculation method	= wastewater discharged + wastewater reused (after treatment)
Unit	m^3/day
Data sources	▌Source: Statistics on Industrial Wastewater Generation and Treatment ▌Collection method: Interviews
Calendar	▌Frequency: Annually (Jan 1 - Dec 31 of the reference year) ▌Data release: December in the following year
Organizations	▌Water Quality Management Division(Tel. 044-201-7066), Water Environment Policy Bureau, Ministry of Environment
Related International Agency	OECD

III. Comparison with UN SDG indicator

① Indicator		② Definition		③ Data value	
Same	**Different**	Same	**Different**	Same	**Different**

Note	▌The UN indicator measures the proportion of (a) wastewater safely treated based on the System of Environmental-Economic Accounting for Water by the International Recommendations for Water Statistics to (b) total wastewater generated from domestic and economic activities. ▌For the national indicator, no statistics are available that are identical to the UN indicator. Sewage statistics, industrial wastewater statistics and other separate statistics may serve as similar statistics.
Global indicator link	▌Metadata: https://unstats.un.org/sdgs/metadata/files/Metadata-06-03-01.pdf ▌Data: https://unstats.un.org/sdgs/indicators/database/