

Indicator 6.3.1

Indicator Name, Target and Goal

Indicator 6.3.1 Proportion of domestic and industrial wastewater flows safely treated

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

Goal 6 Ensure availability and sustainable management of water and sanitation for all

Definition and Rationale

○ Definition

This indicator (the percentage of people with access to domestic wastewater treatment facilities) represents the dissemination of wastewater treatment facility (on – site treatment systems). This indicator is calculated as following; (population that can use on – site treatment systems) / total population

○ Concepts

Wastewater treatment facility consists of two concepts. One is an off - site treatment, such as sewerage system, which collects wastewater by pipe and treats at the treatment plant. The other is an on – site treatment system.

Sewerage is a general term for private sewer, drainage canals, other drainage facilities, a treatment facility (excluding on – site treatment systems) connecting to treatment facilities, pump facilities, storage facilities and other complementary facilities.

An on – site treatment system treats raw sewage and domestic wastewater (wastewater from kitchen, laundry, bathrooms etc.) separately at each household.

○ Rationale and Interpretation

In order to achieve halving the proportion of untreated wastewater, it is important to promptly eliminate and appropriately treat wastewater generated from living and business activities by improving wastewater treatment facilities, etc.

Data Sources and Collection Method

This index is considered to be able to grasp the spread of wastewater treatment facilities appropriately.

The Ministry of Land, Infrastructure, Transport and Tourism, Ministry of Agriculture, Forestry and Fisheries, Ministry of the Environment jointly investigates the spread of wastewater treatment facilities such as on – site treatment and off – site treatment systems, and the percentage of people with access to domestic wastewater treatment facilities is announced every year.

MLIT, MAFF, MOE, cooperate research, and publish this indicator.

Method of Computation and Other Methodological Considerations

○ Computation Method

The percentage of sewered population = $(a + b) / c$

a: Sewered population by off – site treatment system

b: Sewered population by on – site treatment system

c: Total population

○ Comments and Limitations

This indicator does not include industrial wastewater flows safely treated.

Data Disaggregation

N/A

References

The percentage of people with access to domestic wastewater treatment facilities is published in the website of following ministries that have jurisdiction over the wastewater treatment facilities;

Ministry of Agriculture, Forestry and Fisheries,

<https://www.maff.go.jp/j/press/nousin/seibi/200904.html>

Ministry of the Environment,

<https://www.env.go.jp/press/108379.html>

Ministry of Land, Infrastructure, Transport and Tourism

https://www.mlit.go.jp/report/press/mizukokudo13_hh_000455.html

Custodian Ministries of Data

Ministry of Land, Infrastructure, Transport and Tourism

Ministry of Agriculture, Forestry and Fisheries

Ministry of the Environment

Custodian Ministries of Related Policies

Ministry of Land, Infrastructure, Transport and Tourism

Ministry of Agriculture, Forestry and Fisheries

Ministry of the Environment

International Organizations

World Health Organization (WHO)

United Nations Human Settlements Programme (UN-HABITAT)

United Nations Statistics Division (UNSD)