

## ***0.a. Goal***

Goal 6: Ensure adequate and sustainable management of water resources and sanitation for all

## ***0.b. Target***

Target 6.3: By 2030, improve water quality, control pollution sources; stop the use of toxic chemicals in industrial, agricultural and aquaculture production that pollute water sources and degrade biodiversity; 100% hazardous wastewater is treated; halve the rate of untreated urban wastewater; promote safe water reuse (global 6.3 target)

## ***0.c. Indicator***

Indicator 6.3.2. Percentage of industrial parks and export processing zones that have been put into operation with centralized wastewater treatment plants meeting environmental standards

## ***0.e. Metadata update***

June 2021

## ***1.a. Organisation***

Ministry of Planning and Investment

## ***1.f. Contact mail***

6B Hoang Dieu, Ba Dinh, Hanoi

## ***1.g. Contact email***

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## ***2.a. Definition and concepts***

The percentage of industrial parks and export processing zones that have come into operation with a centralized wastewater treatment plant that meets environmental standards is the percentage of industrial parks and export processing zones that have come into operation and have factories. concentrated wastewater treatment meeting environmental standards in the total number of industrial parks, export processing zones have come into operation.

## ***2.c. Classifications***

The list of administrative units in Vietnam issued together with the Prime Minister's Decision No. 124/2004/QĐ-TTg dated July 8, 2004 and the changes updated by the General Statistics Office to date

December 31, 2019)

### ***3.a. Data sources***

Statistical reporting mode issued by the Ministry of Planning and Investment.

### ***3.b. Data collection method***

Department of Planning and Investment; The management board of industrial parks and export processing zones shall report the norms according to the form to the Ministry of Planning and Investment to summarize the target data.

### ***3.d. Data release calendar***

Year

### ***3.e. Data providers***

Ministry of Planning and Investment

### ***3.f. Data compilers***

Ministry of Planning and Investment

## ***4.a. Rationale***

The indicator aims to assess the level of investment in infrastructure, overcoming environmental pollution caused by wastewater in industrial parks and export processing zones.

## ***4.b. Comment and limitations***

Data from two different sources, the Ministry of Planning and Investment and the Ministry of Natural Resources and Environment.

According to the Ministry of Planning and Investment, the percentage of industrial parks that have come into operation with a centralized wastewater treatment plant in 2019 is 88.6%, higher than the rate of 84.7% in 2015. However, according to the report of the Ministry of Natural Resources and Environment, in 2019 the whole country had 242/274 industrial parks in operation with centralized wastewater treatment systems, accounting for 88.3% (in 2018 it was 80%, in 2017 was 77%). In which, 191 industrial parks have installed automatic and continuous wastewater monitoring equipment, accounting for 78.9%, the remaining 51 industrial parks are in the process of installing automatic wastewater monitoring equipment, accounted for 21.1%. Centralized wastewater treatment systems of industrial parks treat about 71% of generated wastewater (in 2018 it was 42%).

However, the current big challenge is the problem of industrial wastewater treatment in industrial clusters and craft villages, where the rate of wastewater collection and treatment is very low, requiring solutions and policies. breakthrough policy in controlling wastewater quality for these subjects. Besides, it is necessary to further improve the control of water pollution in industrial zones because

the high proportion of industrial parks with centralized wastewater treatment systems does not mean that this system is operated regularly. In fact, there has been a case where the factory has a wastewater treatment system but it does not work but still discharges untreated water into the environment

#### **4.c. Method of computation**

Method of computation

Công thức tính:

$$\text{Tỷ lệ khu công nghiệp, khu chế xuất đã đi vào hoạt động có nhà máy xử lý nước thải tập trung đạt tiêu chuẩn môi trường (\%)} = \frac{\text{Số lượng các khu công nghiệp, khu chế xuất đã đi vào hoạt động có nhà máy xử lý nước thải tập trung đạt tiêu chuẩn môi trường}}{\text{Tổng số khu công nghiệp, khu chế xuất đã đi vào hoạt động}} \times 100$$

### **5. Data availability and disaggregation**

Annual general data only from 2015-2019

(Published source: 2020 national report on 5-year progress towards implementation of sustainable development goals. Data from the Ministry of Planning and Investment)

### **6. Comparability/deviation from international standards**

This indicator reflects Vietnam's sustainable development goals, which are not included in the Global Sustainable Development Indicators.

### **7. References and Documentation**

- Circular No. 03/2019/TT-BKHDT dated January 22, 2019 stipulating the set of statistical indicators for sustainable development of Vietnam;
- 2020 country report on 5-year progress towards implementation of sustainable development goals
- <https://unstats.un.org/sdgs/metadata/>