0.a. Goal

Goal 9: Build resilient infrastructure, promote inclusive and sustainable industrialization, enhance innovation

0.b. Target

Objective 9.4: Strengthen scientific research, improve the technological capacity of industries; encourage invention and invention; by 2030 significantly increase the proportion of people working in the field of research and development; increase investment in research and development (global 9.5 target)

0.c. Indicator

Indicator 9.4.1. Ratio of spending on science and technology to gross domestic product

0.d. Series

Research and development expenditure as a proportion of GDP [9.5.1] GB_XPD_RSDV

0.e. Metadata update

6/2021

1.a. Organisation

Ministry of Science and Technology

2.a. Definition and concepts

Expenditure on science and technology is the total internal expenditure in the territory of Vietnam in a certain period, including expenditures on science and technology (scientific research, research and development activities). experimentation, technology development, technology application, science and technology services, promotion of initiatives and other creative activities for the development of science and technology) in the territory of Vietnam from all sources but excluding expenses for science and technology invested by Vietnamese organizations and individuals outside the Vietnamese territory (referred to as total domestic expenditure on science and technology).

Total domestic expenditure on science and technology is measured by summing up the internal expenditures of the entities performing the expenditure on science and technology activities (internal expenditure of: Scientific research organizations). science and technology development; higher education institutions; science and technology service organizations; administrative agencies and other non-business units; enterprises and the not-for-profit sector).

2.c. Classifications

Not applicable

3.a. Data sources

- Expenditure on science and technology: Statistical reporting regime promulgated by the Ministry of Science and Technology; investigation of scientific research and technological development; investigate the scientific and technological potential of science and technology organizations;

- Gross domestic product: As the data source of indicator 8.1.1.

3.b. Data collection method

- Spending on science and technology: The Ministry of Science and Technology synthesizes data from Table 03/KHCN-CP, the mode of statistical reporting of the Science and Technology sector and sends it to the General Statistics Office

- The General Statistics Office calculates the gross domestic product and combines the data "Science and technology spending" to calculate the indicator "The ratio of spending on science and technology to gross domestic product".

3.d. Data release calendar

Year.

3.e. Data providers

Ministry of Science and Technology

3.f. Data compilers

Ministry of Science and Technology

4.a. Rationale

Statistical indicators help state management agencies understand the amount of money that the state spends on science and technology from which to adjust policies to meet the development requirements of the country.

Is an indicator reflecting how much each economic type has contributed in the field of science and technology. On that basis, the State promptly sets forth policies to encourage economic sectors to participate in science and technology development.

is an important indicator to calculate a number of aggregate economic indicators in the national account by industry and economic sector.

4.c. Method of computation

Method of computation

Công thức tính:

Tổng chi quốc nội cho khoa học và công nghệ	=	*Tổng chi tiêu nội bộ của đơn vị được thống kê* khoa học và công nghệ *trên lãnh thổ Việt Nam*	=	*Tổng chi tiêu nội bộ của đơn vị được thống kê* khoa học và công nghệ *trên lãnh thổ Việt Nam từ nguồn kinh phí do tổ chức, cá nhân Việt Nam cấp*	+	*Tổng chi tiêu nội bộ của đơn vị được thống kê* khoa học và công nghệ *trên lãnh thổ Việt Nam từ nguồn kinh phí do tổ chức, cá nhân nước ngoài cấp*

Tỷ lệ chi cho khoa học và công nghệ so với tổng sản phẩm trong nước được tính theo công thức sau:

$$\text{Tỷ lệ chi cho khoa học và công nghệ so với tổng sản phẩm trong nước(\%)} = \frac{\text{Chi cho khoa học và công nghệ}}{\text{Tổng sản phẩm trong nước}} \times 100$$

5. Data availability and disaggregation

Data is available every 2 years in 2013; 2015 and 2017 breakdown by funding source

(Published source: National report in 2020 on 5-year progress towards implementation of sustainable development goals. Data from Ministry of Science and Technology and General Statistics Office)

6. Comparability/deviation from international standards

This indicator corresponds to the global sustainable development target 9.5.1: Research and development expenditure as a proportion of GDP

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;

- Circular No. 15/2018/TT-BKHCN dated November 15, 2018 of the Ministry of Science and Technology stipulating the regime of statistical reporting of the Science and Technology sector;

- National report in 2020 on 5-year progress towards implementation of sustainable development goals;

- https://unstats.un.org/sdgs/metadata/