

Indicator 17.13.1

Indicator Name, Target and Goal

Indicator 17.13.1 Macroeconomic Dashboard

Target 17.13 Enhance global macroeconomic stability, including through policy coordination and policy coherence

Goal 17 Strengthen the means of implementation and revitalize the Global Partnership for Sustainable Development

Inflation, Consumer price index (annual % change)

Definition and Rationale

○ Definition

The annual average rate of change in the (overall) index which shows how the cost of household consumption changes with price fluctuations when the consumption structure of households is fixed for a reference period.

○ Rationale and Interpretation:

To provide a standardized instrument to monitor the macroeconomic stability of countries, the World Bank has designed a Macroeconomic dashboard including important macroeconomic indicators covering the external, financial, fiscal and real sectors. The indicator selection builds on existing macroeconomic monitoring frameworks developed and used by international and regional agencies, such as the IMF, the WB, the ECB and the OECD.

Data Sources and Collection Method

Retail Price Survey, scanner data

Method of Computation and Other Methodological Considerations

○ Computation Method

The index is calculated as the weighted arithmetic mean of price relatives (Laspeyres formula).

$$I_t = \frac{\sum_{i=1}^n p_{t,i} q_{0,i}}{\sum_{i=1}^n p_{0,i} q_{0,i}} \times 100 = \frac{\sum_{i=1}^n \frac{p_{t,i}}{p_{0,i}} w_{0,i}}{\sum_{i=1}^n w_{0,i}} \times 100$$

I : Index

p : Price q : Quantity purchased

w : Weight (= pq)

i : Item

0: Reference period t : Observation period

Data Disaggregation

1 . Basic classification indices

all items, 10 major groups, subgroups, minor groups and individual items

2. Indices for goods and services groups

3.Indices aggregated based on baskets of specific household groups

Index for Total Households·····Subgroups

Index by Yearly Income Quintile Group of Worker’s Households···Subgroups

Index by Age Groups of Household Head·····10 major groups

Index by Types of Tenure of Dwelling·····10 major groups

4. Indices by the characteristic of items

Indices by goods group classified according to the elasticity to living expenditure

Indices of annual purchase frequency classes

References

Consumer Price Index (CPI)

<https://www.stat.go.jp/data/cpi/index.html>

Custodian Ministries of Data

Ministry of Internal Affairs and Communications

Custodian Ministries of Related Policies

Cabinet Office

Ministry of Finance

International Organizations

World Bank