

Regional Course on the Supply and Use Tables

Chiba, Japan; 20-24 January 2020

CONCEPT NOTE

Collaborating agencies: United Nations Statistical Institute for Asia and the Pacific (**SIAP**); United Nations Statistics Division (**UNDESA SD**) and Asian Development Bank (**ADB**).

I. Introduction and Objectives

The Supply and Use Tables (SUTs) are an essential part of System of National Accounts 2008 (2008 SNA). SUTs bring together the components of each of the three approaches of GDP estimation namely, the production, income and expenditure. Statisticians use the SUTs as a balancing framework that reconciles these three approaches to eliminate the differences and produce reliable and accurate GDP estimates. When SUTs are linked with the institutional sector accounts through common statistical units, they further ensure the overall quality, consistency and coherency of the national accounts. Annual compilation of SUTs is one of the recommended data sets according to the 2008 SNA.

The SUTs describe how products (goods and services) are brought into an economy (either as a result of domestic production or imports from other countries) and recorded in the **Supply Table**, and how those same products are used (as intermediate consumption, household final consumption, non-profit institutions serving households, general government final consumption, gross capital formation and exports) and recorded in the **Use Table**. The SUTs also provide the link between components of Gross Value Added (GVA), industry inputs and industry outputs.

In SUTs, the total use in the use table must be equal to the total supply in the supply table for each product. SUTs serve primarily statistical purposes and provide an integrated framework for checking consistency and completeness of data. SUTs are also used to derive the input-output table for the purpose of economic impact analysis and forecasting.

The main objective of this course is to develop the knowledge and skills of participants on the compilation and dissemination of SUTs. Participants will also share the challenges they face and suggest practical solutions to continue the work in the compilation of SUTs.

II. Target Countries

The course is designed for the countries in Asia and the Pacific region which are planning to use Supply and Use framework for their SNA compilation, and which are currently developing and updating their SUTs align with SNA 2008.

Countries: Afghanistan; Armenia; Bhutan; Brunei Darussalam; Fiji; Georgia; Hong Kong China; Indonesia; Maldives; Taipei, China; Thailand; Uzbekistan; Vietnam

III. Target Participants

The course is designed for statisticians who are currently, directly, and substantially involved in the compilation of national accounts and Supply and Use Tables.

IV. Course Content and Design:

This 5-day course consists of four modules: Brief Introduction of analytical and statistical usefulness of SUTs; Compilation and dissemination of SUTs in line with the 2008 SNA; IT tools for the compilation of SUTs; and Strategy for implementation. Sessions will be covered in the course are listed below:

- Importance of Supply and Use Tables and Input Output Tables
- Overview of SUTs and the statistical process for their compilation
- Compilation of Supply Table
- Compilation of Use Table
- Compilation of Valuation Matrices
- Compilation of Import use table and Domestic use table
- Compiling SUTs in volume terms
- Balancing SUTs
- IT tools for the compilation of SUTs
- Other considerations for the compilation of SUTs

Sessions will be conducted in English and no translations will be provided to the participants.

V. Preparatory Activities

Participants to the course need to compile following data/worksheets and share with the resource person by first week of January 2020.

- a. Gross output by product and by industry
- b. Imports by product
- c. Trade margin by product
- d. Transport margin by product
- e. Taxes less subsidies on product by product
- f. Intermediate consumption by product and by industry
- g. Household final consumption expenditure by product
- h. General government final consumption expenditure by product

- i. Nonprofit Institutions Serving Households (NPISH) consumption expenditure by product
- j. Gross fixed capital formation by product
- k. Changes in inventories by product
- l. Acquisition less disposal of valuables by product
- m. Exports by product
- n. Gross value added by industry
- o. Compensation of employees by industry
- p. Taxes less subsidies on production by industry
- q. Gross operating surplus/mixed income by industry

VI. Reference Material

Recommended Reading

OECD (2014) Understanding National Accounts <http://www.oecd.org/sdd/UNA-2014.pdf>

UNSD (2018) Handbook on Supply, Use and Input-Output Tables with Extensions and Applications https://unstats.un.org/unsd/nationalaccount/docs/SUT_IOT_HB_wc.pdf

Handout on best practices in compiling SUTs and IOTs -
<https://unstats.un.org/Unsd/nationalaccount/workshops/2018/beijing/Handout.pdf>

Other references

UN and ECB (2015) Financial Production, Flows and Stocks in the System of National Accounts
<https://www.ecb.europa.eu/pub/pdf/other/handbookofnationalaccounting2014en.pdf>

Eurostat-OECD (2017) Compilation Guide on Inventories
<https://ec.europa.eu/eurostat/documents/3859598/8228095/KS-GQ-17-005-EN-N.pdf>

IMF (2017) Balance of Payments and International Investment Position Manual
<https://www.imf.org/external/pubs/ft/bop/2007/pdf/bpm6.pdf>