CCAMTAC Technical Assistance in Developing Supply and Use Tables

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- Federal Department of Economic Affairs, Education and Research (EAER)
- State Secretariat for Economic Affairs (SECO)
Seven out of nine CCAM countries compile annual SUT at current prices

Timeliness of publication vary from t+11 to t+24 months

None of CCAM countries compile SUT at constant prices

Quarterly SUTs are not available
In 2020, CCAMTAC provided technical assistance to the State Committee on Statistics (SCS) of the Republic of Uzbekistan in developing SUT at current prices

The SCS produces annual SUT in current prices after the publication of annual GDP estimates

Therefore, the total value of some components such as intermediate consumption, gross fixed capital formation, exports and imports are not subject to change

Consequently, the SUT balancing is made entirely by adjusting some of the components of GDP by expenditure such as household consumption or changes in inventories.

These limitations adversely affect the quality of SUT
The main idea of creating the SUT framework is to balance supply and use at an early stage of compiling national accounts in order to compile GDP based on this detailed information.

In 2020, it was not possible to compile the SUT for Uzbekistan before the publication of GDP, as the detailed SUT covering 82 types of economic activities and 82 products was compiled manually in MS Excel (without using any software), which was labor-intensive and time-consuming.
The CCAMTAC mission assisted the SCS in the implementation of an algorithm to balance SUT, which is developed by the IMF and operates in MS Excel as an add-in function SUTB.

The SUTB function requires the following arguments to generate a balanced SUT:

- the unbalanced SUT
- three sets of accounting constraints
- a set of reliability coefficients
The constraints are grouped by type: two accounting-type constraints (supply-use and netting adjustments) and user-defined explicit constraints.

The reliability coefficients represent the relative robustness of the initial estimates.

The scale of the coefficients has been defined from 0 to 100, with 100 fully reliable data and thus not subject to adjustments.

Due to the current practice of compiling SUT after the dissemination of GDP by production, the reliability coefficients for output and intermediate consumption was estimated at 100.
During the CCAMTAC mission, the SUT at current prices were balanced by using the SUTB function.

The balance was secured in a fairly short time. The results obtained were compared with the manually balanced SUT.

Some differences were observed in household consumption and changes in inventories.

Eventually, SCS staff were convinced that in case of proper assignment of reliability coefficients, the SUTB function would give reliable results.
The mission and SCS agreed on the action plan to compile annual SUT at current and constant prices before the publication of annual GDP estimates.

According to the plan, the annual GDP estimates for 2022 based on the 2022 SUT will be published in December 2023.

The SCS also aimed to compile the SUT at constant prices by October 2021, but changes were made to the initial plans due to the spread of the COVID-19 pandemic.
- Given that the compilation of SUT in constant prices requires various price indices at a detailed level, that are much more difficult to collect and process when working in an emergency, the SCS postponed this work to 2023.

- CCAMTAC will assist the SCS with the implementation of SUT at constant prices.
The SCS plans to improve methods of converting SUT into the input-output table

CCAMTAC will provide technical assistance with the implementation of the IMF IOT convertor
Thank you!