

About the possibility of taking into account the updated data in the Russian block of World Input-Output Tables

Topic: National data in Global IOTs

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In the international databases of the world input-output tables, the Russian block is statistically represented very weakly. Even the developers of the updated version of the WIOT database do not advise using a diagonal Russian block for analyzing the Russian economy. The reason for that is a poor database of national input-output tables for Russia. However, after an interval of almost 20 years, a one-time-only survey of production costs structure was carried out for Russia and an input-output table for the year 2011 was constructed. Unfortunately, the publication of the tables was conducted after the WIOD database was updated, so new Russian data were not included in this version. In addition, the Russian tables are made in the old version of ISIC, which was used for the world tables of input-output for 1995-2011. We have attempted to include the updated data for the Russian block for 2011 into the world input-output tables. For this purpose, based on the supply table and the use table for the domestic products, a block (industry by industry) of intermediate consumption of domestic products is calculated. Preliminary calculations show that the difference with the previous version of the Russian block and the new one, taking into account the results of the recent survey of the cost structure in the Russian economy, are significant. In some industries, the intermediate demand for domestic products is differs several times from the one from previous version. Differences can be seen not only in intermediate demand, but also in the output of industries. Therefore, when adapting to the new structure of costs, most attention is paid to the input-output coefficients. For balancing, the RAS method and optimization methods are used. A comparison of the results of the scenario analysis, based on different variants of the input-output coefficients, is carried out.

Keywords: one-time-only survey of production costs structure, updating of diagonal blocks of world input-output tables