

Towards multiproducts production model: analysis from harmonized multinational supply and use database

Topic: Multiregional input-output modelling

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Recently, the availability of harmonized input-output and national account related database has been significantly improved by various efforts by many countries. These multinational data sources enable us to compare the precise production structures and international procurement processes. This study focuses on the information of supply table to examine the multi-products selection model of industries. The substitution effects with imported goods are also estimated using the comparable industry based bilateral trade data. The results show that international procurement processes and multiproduct flexible supplying behavior become evident in last decade. The derived results also imply the argument for effectiveness of conventional production functions used in various economic models.