

Multiregional Input-Output Tables for Swedish Regions - today and tomorrow

Topic: Regional Input-Output Economics - IV

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In this article we describe an ongoing project at Statistics Sweden to develop a model for constructing multiregional input-output tables (MRIOTs) for Sweden. A prototype set of MRIOTs for 2018 has been constructed, which consists of 21 counties times 446 products, making up a table of 9366 x 9366 elements. The table was based on national data regionalised with the help of business surveys complemented by employment statistics, and interregional trade data from the commodity flow survey. In the next phase micro data from Statistics Sweden and Government agencies as the Swedish Transport Administration will be used to construct a bottom-up MRIOT.

The current project has also involved some novel analyses using the tables ranging from multilevel multiplier calculations to computations of value-added chains, and interregional freight and service trade. We have also constructed an environmental input-output model generating consumption-based GHG emissions per consuming county, i.e., carbon footprints for each county. This input-output model was coupled with data from the global MRIO database EXIOBASE to include imported emissions due to final consumption in Swedish counties.