

The complexity of international supply networks and their influence on global income distribution

Topic: Input-output impact analysis (Chair: Keiichiro Kanemoto, Research Institute for Humanity and Nature)

Author: Rosario CERVANTES

Co-Authors: Timur Gataullin

Following Shiosawa (2017), we have tried to establish a relationship between the choice of techniques in an economic system and how income is distributed among industries, firms, and households. Using input-output matrices from the WIOD, our results show that, as complex systems, the international supply networks evolved from 2000 to 2014, and these changes affected income distribution. We also show that industries and countries benefit from diversified participation in global production networks as intermediate inputs suppliers. Finally, following some basic network theory concepts, we have developed a method to assess the relative importance of industries and countries in the income distribution/concentration process.