

Country-specific Initiatives to Reduce Global Warming and other Environmental Impacts

Topic: (10.3) Input-output analysis for policy making (5)

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The aim of the paper is to understand what are the main causes in the world economies of global warming and other selected impact assessments.

The paper determines the contribution to selected environmental impact of different human behaviors and needs. For such aim, the hybrid multi-regional input output table obtained in Exiobase v.3 is used.

Seven categories are taken into account. These are:

- Transportation
- Food consumption
- Heating
- Waste management
- Use of electricity
- Consumption of other good
- Demand of services

For each of the 48 countries/regions of the world included in EXIOBASE v3, the GHG emissions and other selected impact assessments are calculated relating to the above subdivision of the final uses. In this way it is possible to rank the most urgent measures to undertake in each country. Therefore, a map of hierarchical country-specific initiatives is obtained. Finally, it is determined the cumulative effect of a selection of country-specific initiatives on the world scale.