

## **Aligning and transforming SUT and IO data for the EU27 and RoW countries in EXIOPOL**

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**Van Bree, Thijmen<sup>a\*</sup>; Hawkins, Troy<sup>b</sup>; Manshanden, Walter<sup>a</sup>; Poliakov, Evgueni<sup>a</sup>**

*<sup>a\*</sup> TNO Delft, Innovation and Environment  
P.O. Box 49, 2600 AA Delft, The Netherlands  
Phone +31-15-269 54 39 Fax +31-15-262 43 41 E-mail: Thijmen.Bree@tno.nl*

*<sup>b</sup> Industrial Ecology Program, Norwegian University of Science and Technology (NTNU), Trondheim, Norway*

\*Corresponding author

### ***Abstract***

The main objective of the integrated project EXIOPOL (A New Environmental Accounting Framework Using Externality Data and Input-Output Tools for Policy Analysis) is to set up a multi regional environmentally extended input-output database. Consistent supply and use tables of the EU27 countries and 16 selected Rest of the World countries will form the input to this database.

For European countries consistent input-output tables are available, based on the European System of Accounts (ESA). Supply and use tables are, however, not available for every EU country. National Statistical Institutes of RoW countries have in most cases only input-output tables available. Besides creating more detail in the supply and use tables to meet the 130 products and sectors used in EXIOPOL, a method has to be developed to work backwards from an input-output table to a supply and use structure.

This paper presents the transformation steps needed to align the supply and use tables of the EU27 countries and 16 RoW countries. The focus will be on: methodology and assumptions needed to construct compatible supply and use tables out of input-output tables; solving problems with data valuation; and disaggregation methods to create more sector- and product detail.

Because there are differences in data availability for each country, the transformation process will differ per country. Practical experiences with the conversion of tables for EXIOPOL will be presented in this paper.

**Keywords:** input-output tables, supply and use tables, product- and sector detail