



# 17th International Input-Output Conference

**TITLE: DESAGGREGATION IN INTERREGIONAL INPUT-OUTPUT MODELS - AN ESTIMATION APPROACH FOR DISTORTIONS.**

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**ABSTRACT:**

Effects from a sectoral disaggregation have been broadly discussed, mostly the conditions for the neutral, unbiased case. The paper concentrates on the re-verse operation, a disaggregation, under a special aspect: unknown relations because of data restrictions. In addition, the standard analysis is extended by observing systems with sectoral combined with regional differentiation, like interregional models of the Isard type. It can be shown that correlations between intermediate coefficients together with exogenous proportions are responsible for disaggregation effects. The proposed estimation approach, based on a power series analysis, provides the identification of positive and negative distortions including neutral disaggregation as special case. Empirical effects are often small, but from a heuristic viewpoint the approach gives a general look into structural relations and hints on disaggregation patterns for different purposes.