

# Empirical Evidence on the Energy Intensity in Manufacturing Sectors and its Sensitivity to Certain Economic Variables

## An International Comparison with Special Attention for Developing Countries

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From the viewpoint of developing nations, flexible mechanisms can be seen as a new way to raise monetary and technology transfers into their countries. These transfers are expected to have positive effects in guiding developing countries to an energy-saving development path. In order to quantify such an effect on the energy demand, this study collects empirical evidence on the energy intensity of manufacturing sectors and its sensitivity to certain economic variables like the energy price and the amount of investment. The innovative value of this study lies in the large range of countries it deals with and in the detailed level of manufacturing industries for which empirical evidence is provided.

**Keywords:** flexible mechanisms, energy-intensity, manufacturing industries, technological transfers

**JEL-classification:** C., O57, Q41, Q43