

# **Energy efficiency trends in EU industrial sectors**

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## **ABSTRACT:**

Through the decomposition analysis, we analyze the impact of various factors on energy demand in 23 EU Member States from 1995 to 2011. The results presented indicate that technological development has been the determining factor of the energy sector changes, followed by the mutations occurred in the economic structures of individual countries. The convergence analysis, carried out at the sectoral level, clears out that the same processes occur similarly in all countries surveyed.

Much has been made for energy efficiency, especially in the last decade, but much remains to be done. The contribution that an effective and a conscious business strategy governance can give is of absolute importance. On the one hand, public and private investors can benefit from an energy efficiency map of Europe, where backward sectors and countries can be reported as the ones for which the return on investment in efficiency may be higher. On the other hand, policy-makers have to identify the obstacles to energy efficiency and take action to remove them.