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**TITLE:** Changes of the Italian energy system from 1990 to 2014: implications for the future

## **ABSTRACT**

*The paper starts from an analysis of the changes of the Italian economic system in the framework of the new allocation of economic activities at an international level that has weighted on the Italian economy.*

*The analysis has been conducted on a time base trying to identify the major points of change in terms of economic, institutional and industrial structure. The evolution of the energy system is analyzed starting from the production and the transformation sector with specific reference to the electricity transformation sector which has undergone very important changes.*

*The analyzed sectors are the industrial, domestic, commercial and transportation. At the final consumption level energy data are disaggregated at electricity and fuels (gas, oil products, coal, renewables) given the different energy services provided and also the leading factors evolution. Changes on the structure of the electricity sector and on the consumption of primary energy sources are considered.*

*The paper highlights the dawn of a new system where the renewables and efficiency play a very big role. On this aspect, the model shows the results of a series of analysis on the evolution of efficiency and its prospects based on econometric sectoral models. The Paper analyzes how the system is evolving toward the goals of European energy and environmental objectives in the framework the EU climate action. Also a comparison with other EU Member States is considered.*

*Given the results of the analysis, the paper presents the new prospect for the Italian energy demand to 2020.*

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