

Research Group on Energy and Integrated Environmental Assessment

Specialisation: Ecological Economics

Household energy metabolism of Spain, 2006 – 2020

Rationale: The residential or household sector is, along with transport, a diffuse sector in terms of energy consumption, since there are many agents involved. Therefore, it is one of the least studied. However, it is a sector in which energy consumption grows above the average for end-use sectors. This growth is not homogeneous and depends on the level of household income (analysis by quintiles), the size of the household and the type of household.

Objectives: Show the evolution of household energy consumption over time and its relative weight in final energy consumption. Disaggregate the evolution of final energy consumption by energy vector, and by income quintiles, size, and type of household. This would allow discussing energy poverty, possible future trends (based on the evolution of the distribution of households over time), as well as discussing the distributive effects of rising energy prices (by vector) among the different households (by size, income level and type).

Requisites: Interest in quantitative analysis of societal metabolism. Knowledge of Spanish (for data analysis). Knowledge of statistical packages such as STATA or R.

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