

TITLE: Energy and Economic Growth: The Stylized Facts

AUTHORS: Zsuzsanna Csereklyei (Australian National University)
M. d. Mar Rubio-Varas (Universidad Pública de Navarra)
David I. Stern (Australian National University)

ABSTRACT: We summarize what we know about energy and economic growth in a set of stylized facts. We combine analysis of a panel data set of 99 countries from 1971 to 2010 with analysis of some longer run historical data. Our key result is that over the last 40 years there has been a stable cross-sectional relationship between per capita energy use and income per capita with an elasticity of energy use with respect to income of less than unity. This implies that energy intensity has tended to decrease in countries that have become richer but not in others. We also find that over the last two centuries there has been convergence in energy intensity towards the current distribution, per capita energy use has tended to rise and energy quality to increase, and, though evidence is limited, the cost share of energy has declined.

REFERENCE: The Energy Journal (2016) [[LINK](#)]



UNIVERSITAT DE
BARCELONA



Universidad
Carlos III de Madrid



UNIVERSITAT
DE VALÈNCIA
Universidad
de Alcalá



Universidad
Zaragoza

upna
Universidad
Pública de Navarra
Nafarroako
Unibertsitate Publikoa



CEU | Universidad
San Pablo