

Abstract: Brown et al. (2011) proposed a fundamental similarity between organisms and the economies of nation-states based on the distribution networks necessary for the functioning of the metabolism / economics and limitations arising from them according to the Metabolic theory of ecology. This work is primarily intended to investigate whether these limitations figure even within individual sectors of the economy and their relation to some other macroeconomic and demographic indicators.

Key words: ecology, macroecology, metabolic theory of ecology, economy, energy