Valuing ecological services in a modern technological economy

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Abstract

This paper describes how economic value may be derived from the inverse of the timeenergy cost of goods (or services) produced with an energy equivalent currency of kilowatt-hours, watt-hours and watt-seconds, as suggested by Buckminster Fuller. Ranil Senanayake has stressed the urgent need to evaluate the ecological services provided by photosynthetic biomass and suggests that monitoring the rate of produced Cycling Atmospheric Gases (CAG) would prioritize the extant photosynthetic biomass in a production unit. Time-energy accounting for work done will make each economic transaction net of energy footprint and can provide the value for ecological services without a need to capitalize the underlying resources. The Cost of Breathing (COB) of each economic unit will establish the per capita costs necessary to survive for a single day in the Economy. True Parity Purchasing Value (PPV) will apportion relative costs. The Energy Delivered Value (EDV) of each community will be an index that prorates the cost of delivering goods and services across the communities from the amount and source of energy consumed. The less energy consumed the more inherent value in the good or service produced. An economic system that requires more and more people to do less and less work misuses technology to create and maintain poverty. Clifford H. Douglas suggested an Office of Social Credit that provides a basic stipend to society to distribute the surplus of industry. Internet-based Distributed Ledger technology can link networks of like-minded communities who tally transactions and collate economic activity seamlessly; building common wealth through consensus, cooperation and mutual debt. This paper then situates this technology in the direct democratic process of our forefathers and the great or common consensus, that if man lives in Dhamma, the land, its people, flora and fauna will be safe.

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