

How Autonomic and Cognitive Networking Technology is Reshaping the Economy

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The weaving of intelligent communication networks into our lives unravels the industrial society by melting our rigid institutional and governance structures, dissolving borders and organizational boundaries and decentralizing critical infrastructures. In light of these developments governments and companies alike are being faced with the need to abandon the present measurement of growth in favor of a frame that can account for the unaccounted for 'wealth-of-networks' that seamlessly increases the quality of life and work while boosting productivity and performance in the digital economy.

We will point to clear strategies for defining new indicators that can capture the reality of today's sources of value not directly observable on our balance sheets. Through simple yet eloquent and powerful examples we will shed light on the blind spots hidden beneath the fundamental transformations by which the Autonomic Cognitive Networks Revolution is reshaping our lives and the world. The large share of economic value created by the 'non-market transactions' enabled calls for a whole new way of thinking about fundamental concepts from markets to productivity and wealth creation – which we need to embrace to master the crucial aspects of a digital advantage. We will explore the core elements needed to encourage sustainable change as these new communication systems are introduced and grounded in the practice environment. Motivational factors, incentives to embrace the change as well as alignment with the societal needs will be underlined.