

a Crash Course to New Life”

I'm a senior natural systems scientist who has done advanced study of how natural systems emerge and evolve, and always very puzzled by the difficulty of communicating the most obvious, easily observed, and critically important universal properties on the natural world and its useful system designs. So, this is an inquiry about whether my physics/architectural/system-design approach could be presented to evaluate the “Prudent man rule.”

In essence, the prudent man rule is a polite lie, encouraging maximum imprudent exploitation and disruption of nature and human lives for money – that won't be worth the paper its printed on unless the system being invested (us) quickly turns to growing up. That sounds odd of course, but it's the only healthy way for living system to transcend their startup growth limits, that our world now has now hit with an enormously painful smash!

PRECIS: The traditional interpretation of the “Prudent Man Rule” (1) focuses on preserving the financial investment interests of clients, originating from the rules for managing the inherited wealth of the children of English gentry, focused on maximizing the financial and investment value. The current debates (2) focus more on the holistic value if investments, as a modern self-interest value of all investors, and allowing the purely sustainability interests of modern investors.

Modern Holistic Systems Energy Assessment (1) & (Henshaw et al 2011) indicates that the vast majority, nominally 80% of economic impacts (have always gone unreported, so investors cannot possibly know what they are investing in, in large part, except for the dollar values paid and then untraceably distributed. This is simply because it is uneconomic to trace the billions of descendent impacts from any expenditure, so the impacts one can trace don't at all reflect the impacts on the whole system.

A holistic assessment of economic impacts accessing the natural statistics of supply chains and assigning responsibility for shares of global impacts to shares of GDP (3), indicates that so very few of the disruptive effects of exponential financial investment – exponentially interfering with societies and environments, extends that general conclusion to trace the specific responsibility. Being a simple tool that could be readily improved on by others could be what would allow the wishful ambitions of the modern prudent man rule work, aiming to require investors to consider all aspects of the value of the value of finance in total.

The first firm conclusion is that exponentially growing finances are very directly cause our exponentially growing impacts of all kinds. As new methods replace old, of course, the old methods stop counting and only the new matter, usually having less impact per dollar spent on them. However, due to Jevons' observation that efficiency is pursued to accelerate the growth of services, all their impacts tend to grow too, not shrinks. So the holistic effect of growing economic value is also a growing, regularly doubling, environmental destruction.

Within system tolerances impacts are tolerated, but toward the limits impacts much more rapidly become destabilizing or debilitating, as we are seeing now, as the global escalation of troubles of all kinds seems to indicate. The critical point though, is how to sense and recognize the tolerances involved. The growing uses or harms to many kinds of resources and users, make them “free to use” for a while, having very slowly growing harm to them, until exponential use does major damage or depletion, and that interference crosses their boundaries of severe and lasting harm, and user collapse. (Keynes 1930, 1936)

As the great majority of impacts go untraced and unaccounted the exponential crossing of their thresholds of severe damage will only be noticed in the rates of economic degradation and collapse – with the most critical danger, leaving everyone not knowing what the systemic causes are, or that the harm then likely rapidly multiplying by the time its notice at all. It applies even to the resources of a child in the womb. As a new growth system, embryos generally start so small it takes a lot of doubling to become unsustainable, and for a child, results in being ejected and given the message it is time to grow up.

That's the message the world is not getting at this point. We've been rejected by mother earth and it's long past time to start growing up.

Our crash course to a New Life

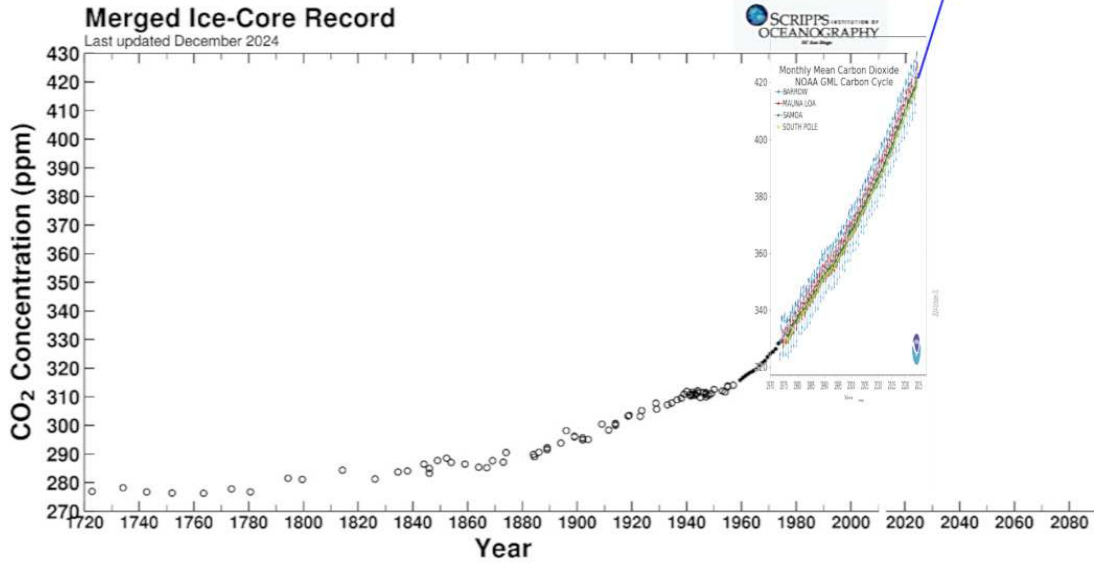


Fig 1. The history of atmospheric CO₂ and projection of the stable exponential rate increasing at ~2% per year and similarly implying similar exponential heating of the earth ever since WWII

UON Figures are from Author systems research

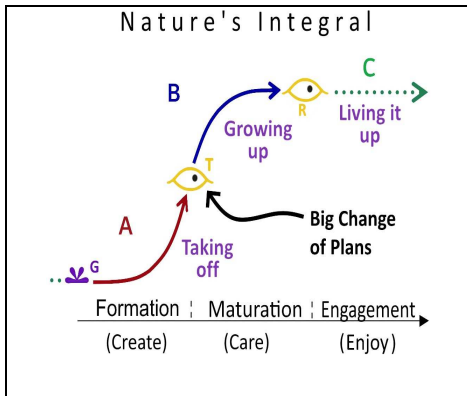


Fig 2. The physics of natural change, requiring continuity and organizational change to get anywhere

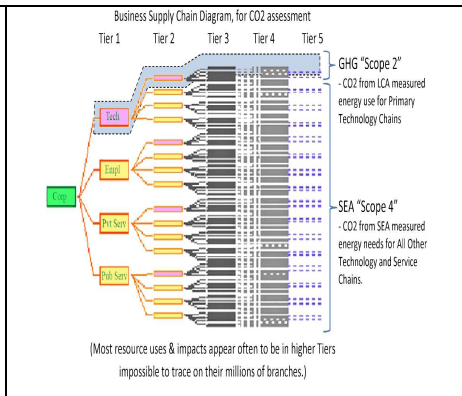


Fig 3. Supply chain money distribution, traceable for Tier 1 but not easily for Tier 2, and impossible beyond.

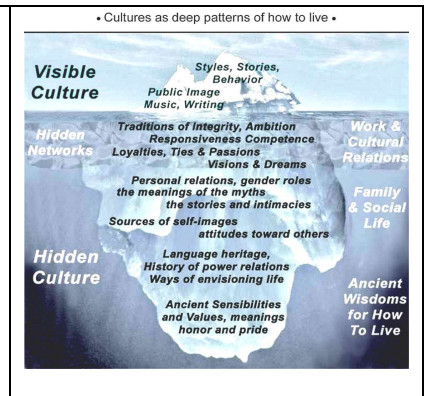


Fig 4. The depth of un-traceable, functional and qualitative characteristics of key relationships

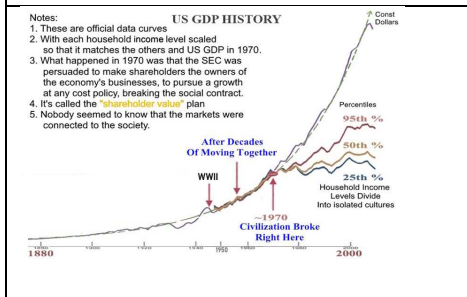


Fig 5. The effect of societally intolerant SEC rules for "Shareholder Value" devalued literally everything else.

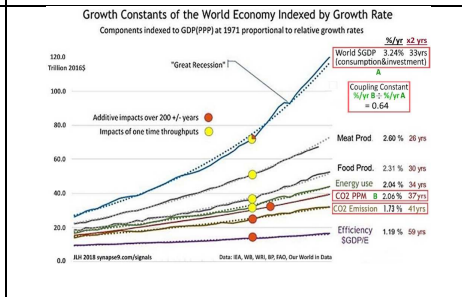


Fig 6. Coupled rates of growth for main economic sectors of the unified explosion of the US Economy.

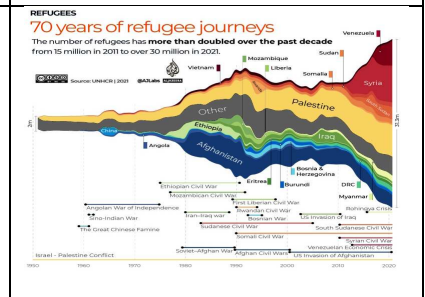


Fig 7. The tolerance threshold for economic pressures on migrant cultures Aljazeera (2021)

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Footnotes:

- 1) Google Search **AI** – Prudent man rule: Traditional View
Question: What issues does the prudent man rule require investors and investment managers to address.
Answer: To ensure responsible investing, the prudent man rule requires the following from investors and investment managers:
 - Act with care and diligence, as a prudent person would in managing their own affairs.
 - Diversify investments to minimize risk and avoid over-concentration in any single asset.
 - Consider the long-term financial goals and needs of the beneficiaries.
 - Stay informed about market conditions and investment options.
 - Avoid speculative investments that do not align with the risk tolerance of the portfolio.
 - Regularly review and adjust the investment strategy as necessary to meet changing circumstances.
- 2) Google Search **AI** – Prudent man rule: Debates
Question: Debates on the prudent man rule for investment managers
Question: To understand the debates surrounding the prudent man rule for investment managers, consider the following points:
 - The rule emphasizes a standard of care that requires investment managers to act prudently and in the best interest of their clients.
 - Critics argue that the rule may limit investment managers' ability to take calculated risks that could yield higher returns.
 - Proponents believe it protects investors from reckless investment strategies and promotes long-term stability.
 - The rule's interpretation can vary, leading to differing opinions on what constitutes "prudent" investing.
 - Recent discussions focus on the balance between risk and return in a changing economic landscape.
 - Regulatory changes and evolving market conditions continue to influence the application of the prudent man rule.
- 3) Global impact assessment. by fraction of GDP
Fig's 2 & 3 show the conditions reality that require one to assume that growth systems have to work as a whole and integrate their internal parts. The statistics then show that if spending is optimized one has to assume every dollar has the same end contribution to the product of the whole JLH (2022e). So, considered as an integrated system that every dollar uses and as a whole, every dollar equally contributes to.
Distributed responsibility for World Crises .
Auth 2023 https://synapse9.com/_r3ref/100CrisesTable.pdf
Auth 2014 [Easy Intro, to “scope 4” use & interpretation](#)

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