
Complex Decision-Making in Economy and Finance

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Color section

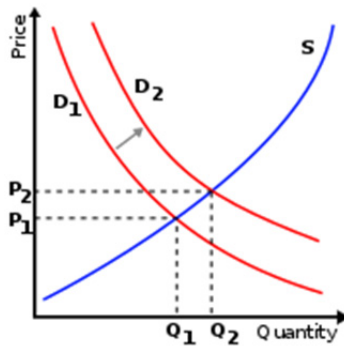


Figure 11.1. Dynamic pricing based on a supply–demand diagram (source: <https://en.wikipedia.org/wiki/File:Supply-demand-right-shift-demand.svg>)

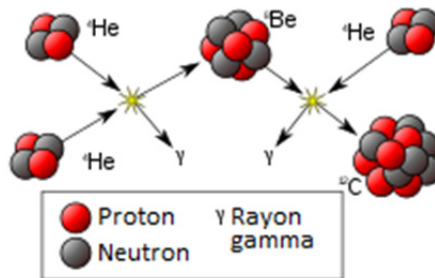


Figure 11.2. Carbon generation

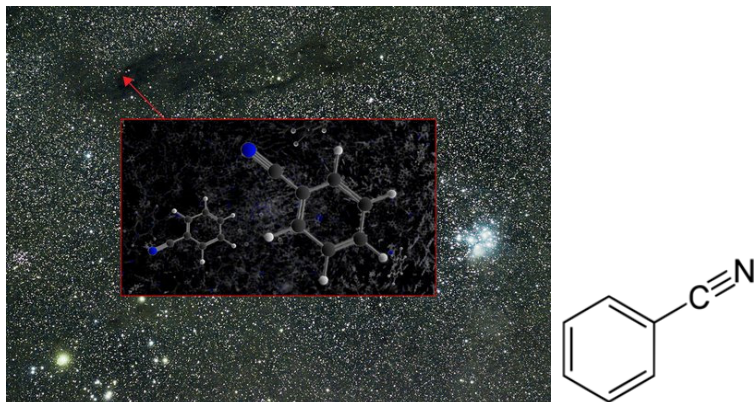


Figure 11.3. Location of benzonitrile molecules in the Taurus Molecular Cloud 1 (TMC-1) using the Green Bank Telescope (credit: B. McGuire, B. Saxton (NRAO, AUI and NSF))

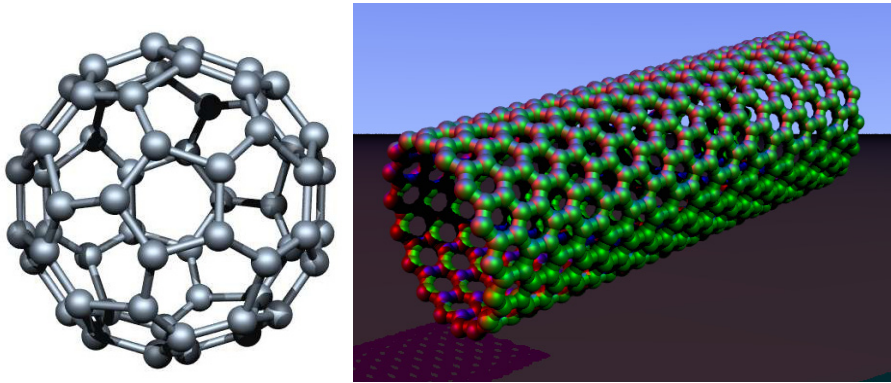


Figure 11.5. *A representation of the fullerene molecule C60 and nanotube (credit: Chris Ewels)*



Figure 11.6. *Image of a self-structuration in the universe*

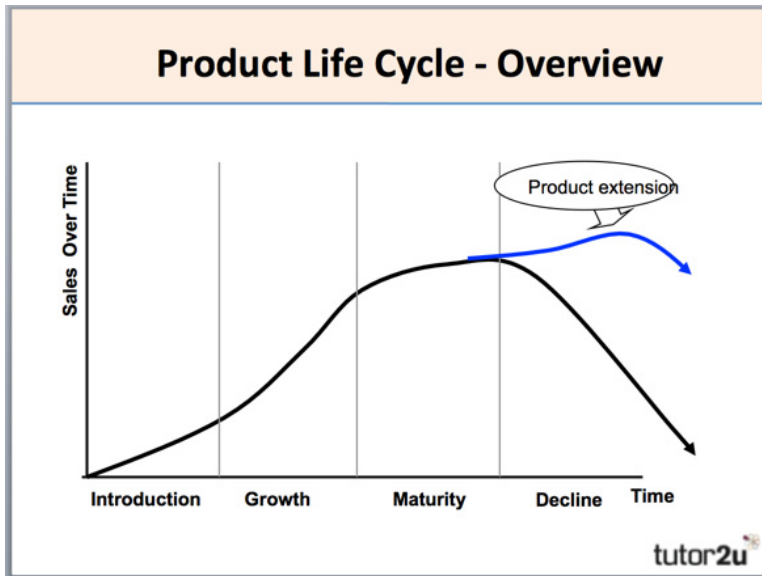


Figure 11.8. Product life cycle including collapsed evolution (source: <https://www.tutor2u.net/business/reference/product-life-cycle>)

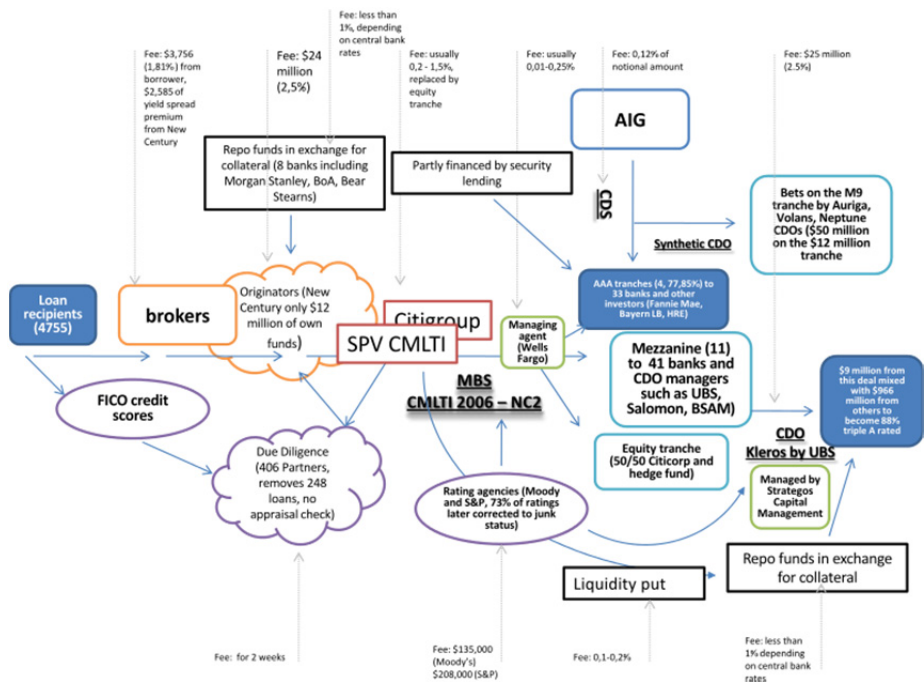


Figure 11.9. Complexity of the mortgage market (source: [WIK 19a])

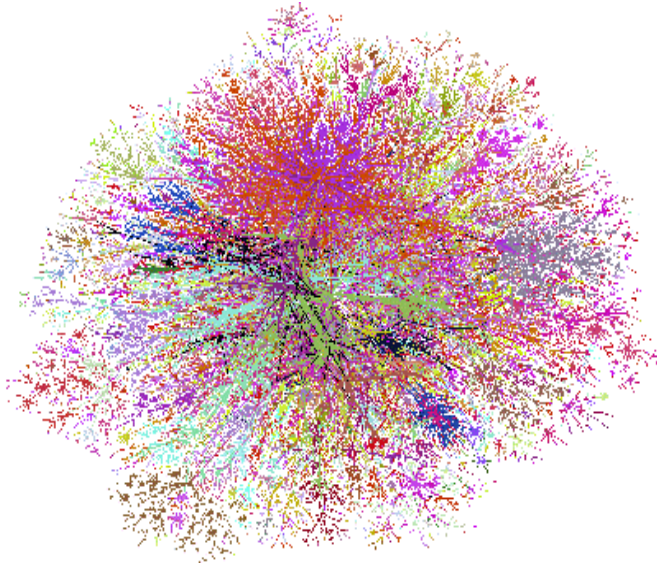


Figure 12.1. *Example of a physical/fractal organization*

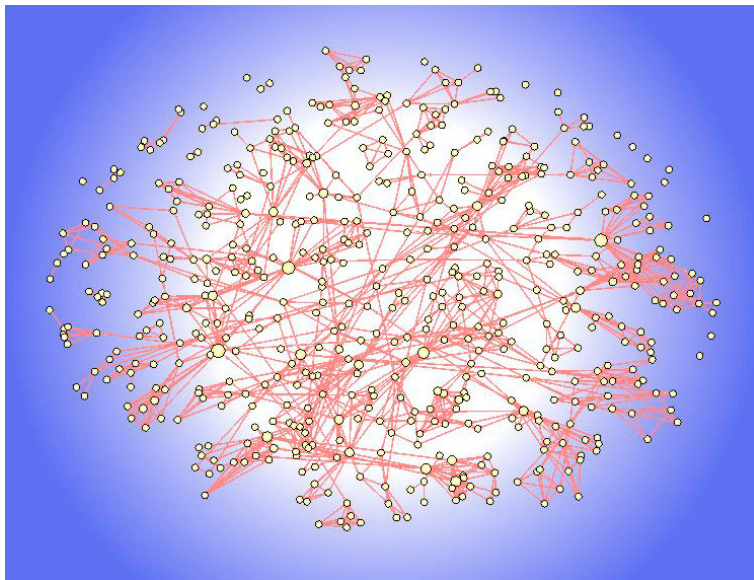


Figure 12.2. *Reduced complexity through simulation analysis and complex graph theory*

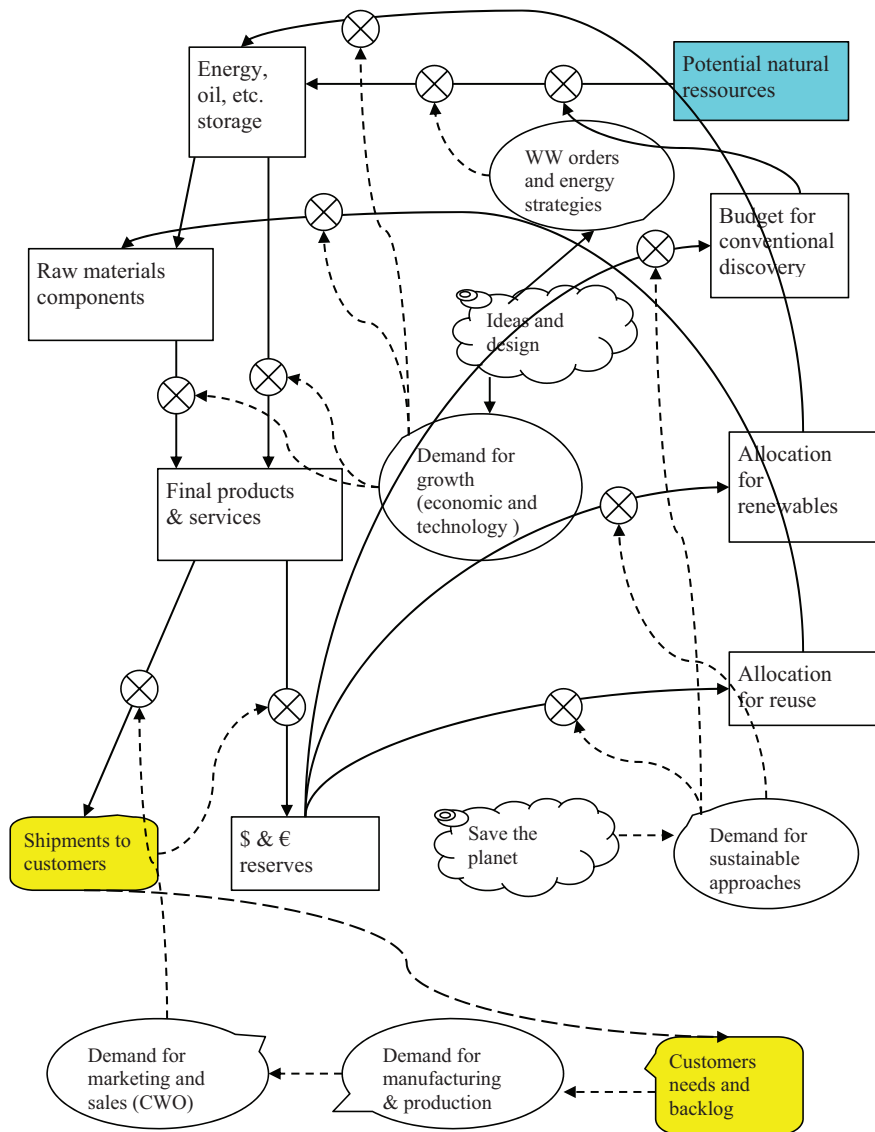


Figure 14.2. *Simplified model for studying a complex energy system. The models used are often open systems, and the notions of feedback or positive closed circuits are not taken into account. In terms of forecasting or analysis, it will be difficult to conclude that the results will be significant*

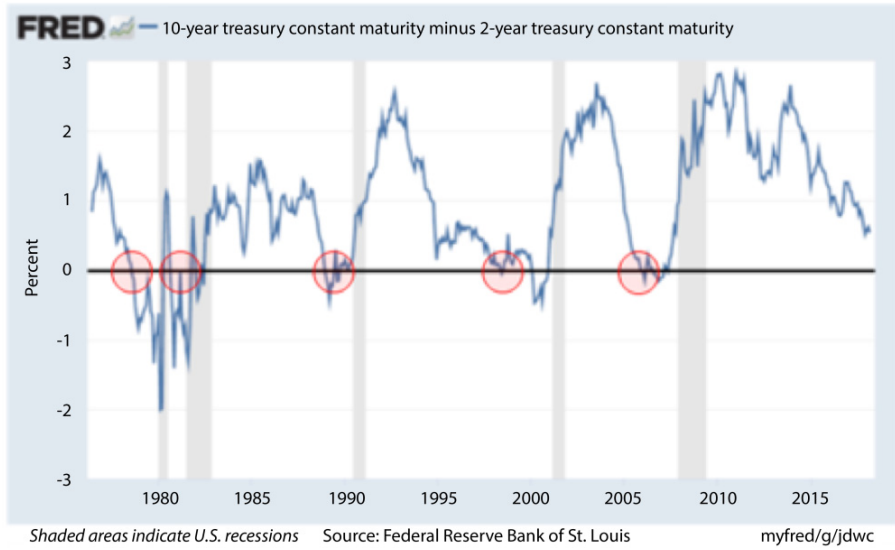


Figure 15.1. *Inversion of yield curve over time. The graph shows the potential for recession and crisis. Source: Federal Reserve Bank of St. Louis, 2019*

The main worldwide risks and their links

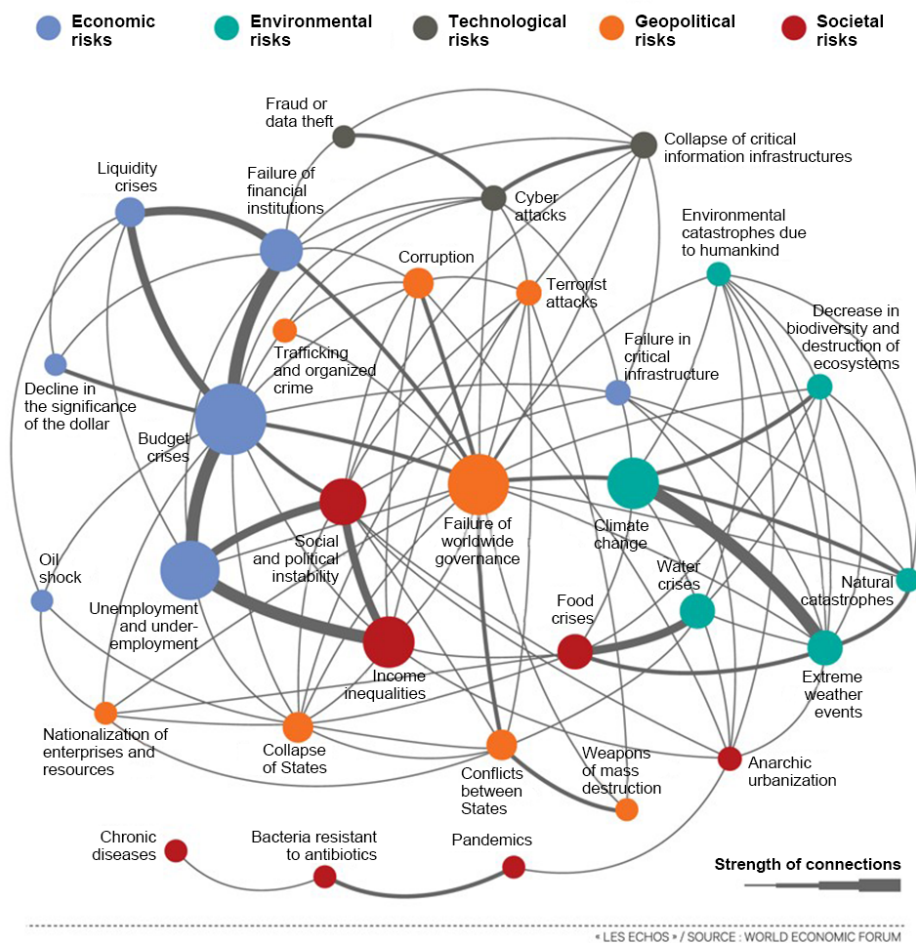


Figure 19.5. *The main worldwide risks and their links*

Dollar Hegemony

Composition of Official Foreign Exchange Reserves

% of allocated reserves

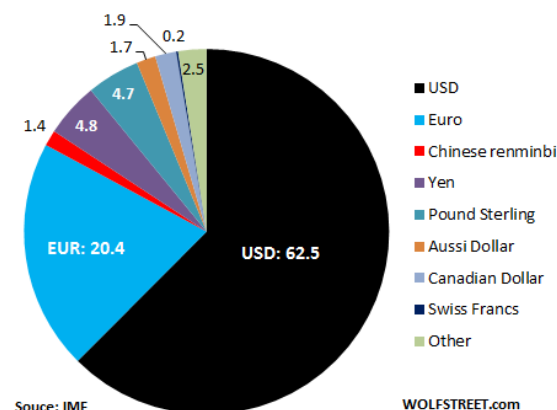


Figure 19.6. Dollar hegemony

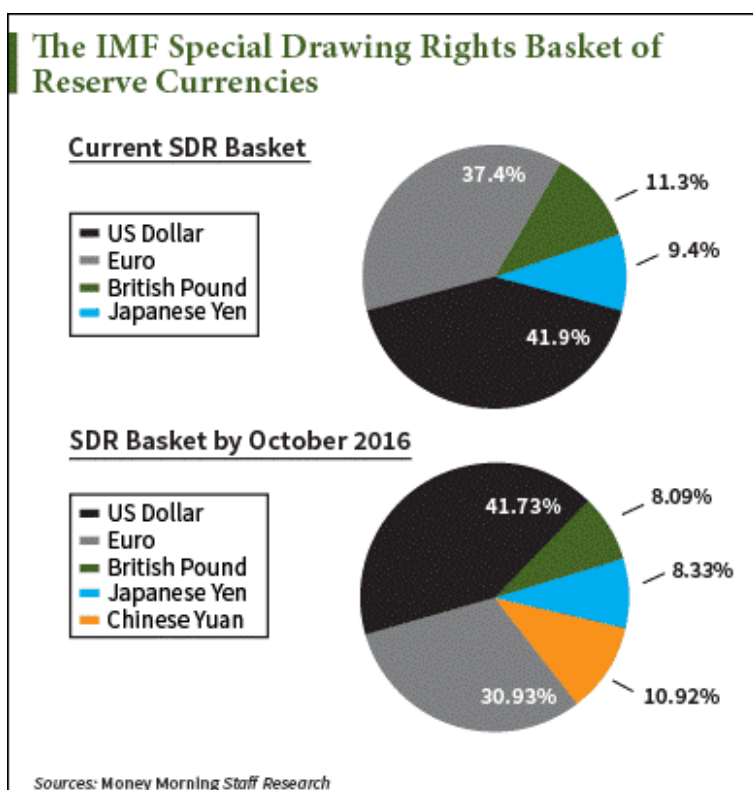


Figure 19.7. The IMF Special Drawing Rights basket of reserve currencies

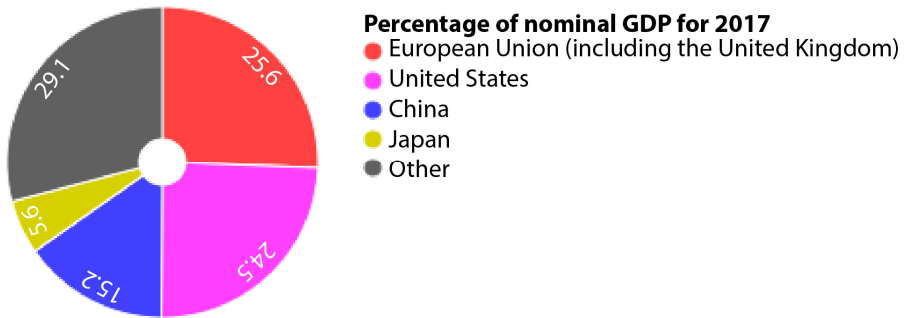


Figure 19.9. Nominal GDP for 2017

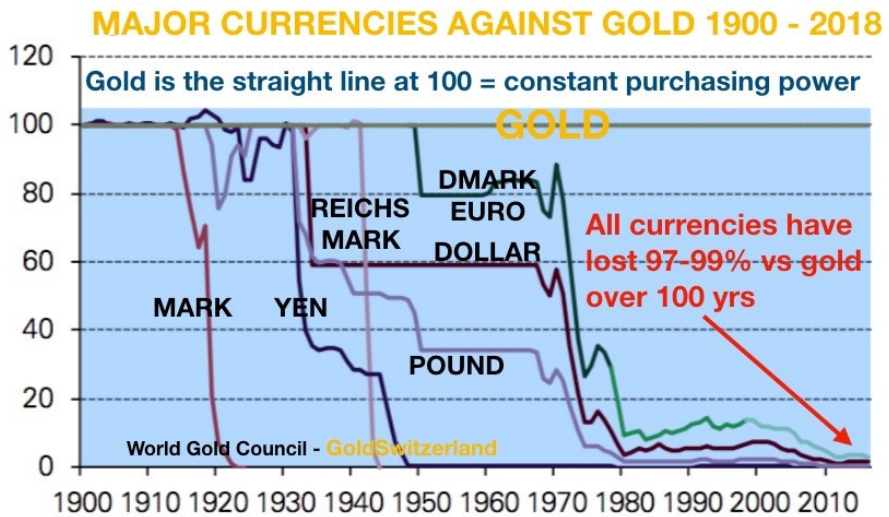


Figure 19.10. Major currencies against gold 1900–2018

The dollar sweeping aside everything

Currency structure of the central banks' foreign exchange reserves, 3rd trimester 2017

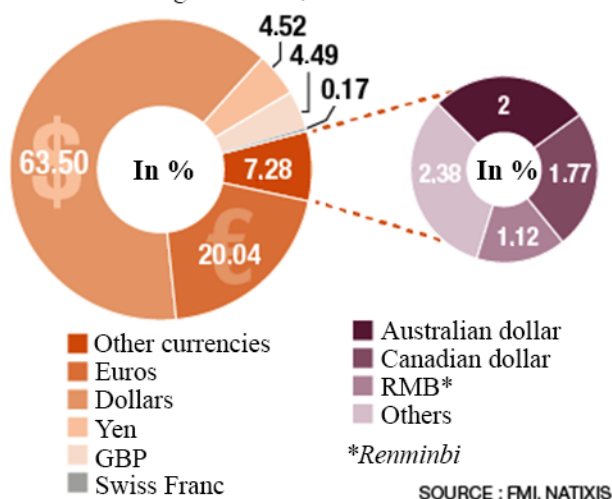


Figure 19.11. The dollar sweeping aside everything