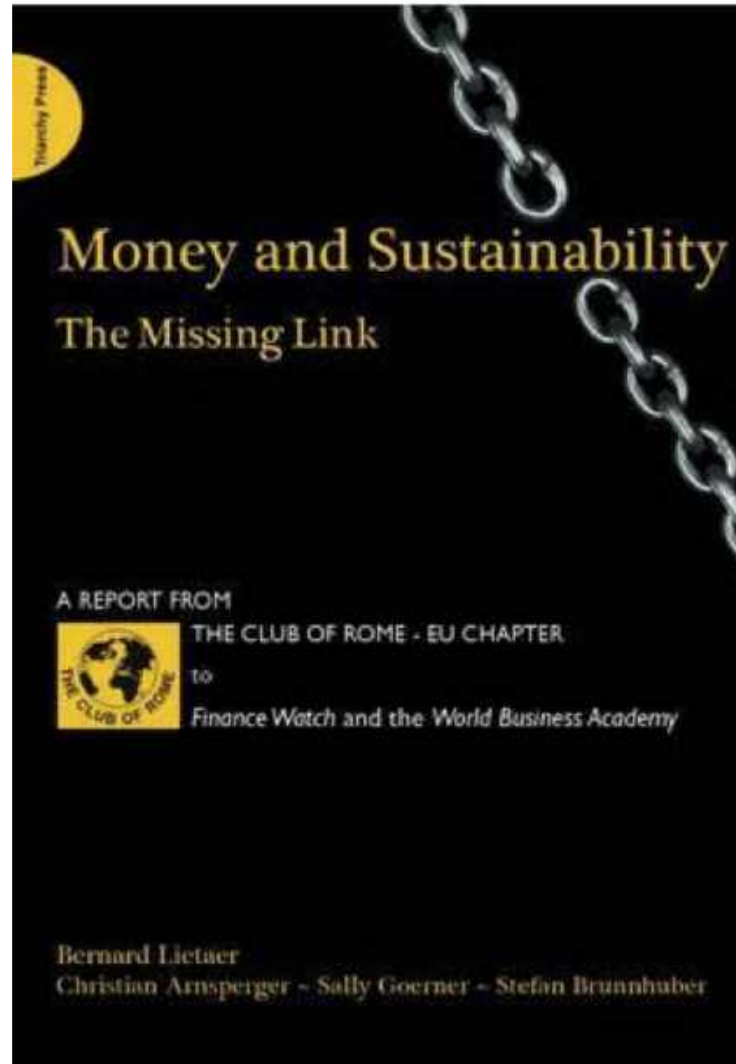


Money, Sustainability & Bernard's contribution

Marek Hudon
November 2019



An holistic approach

1. Context analysis

Bernard's work: Financial crises are inherent to our economic system

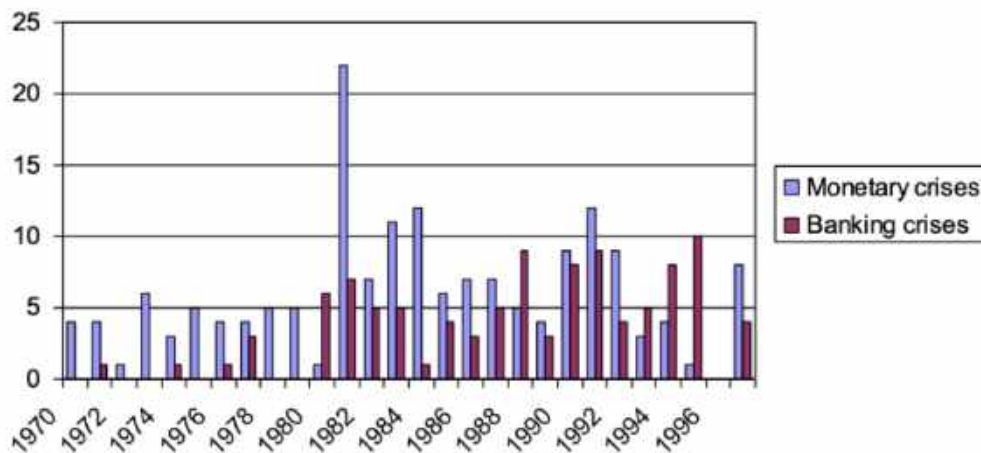
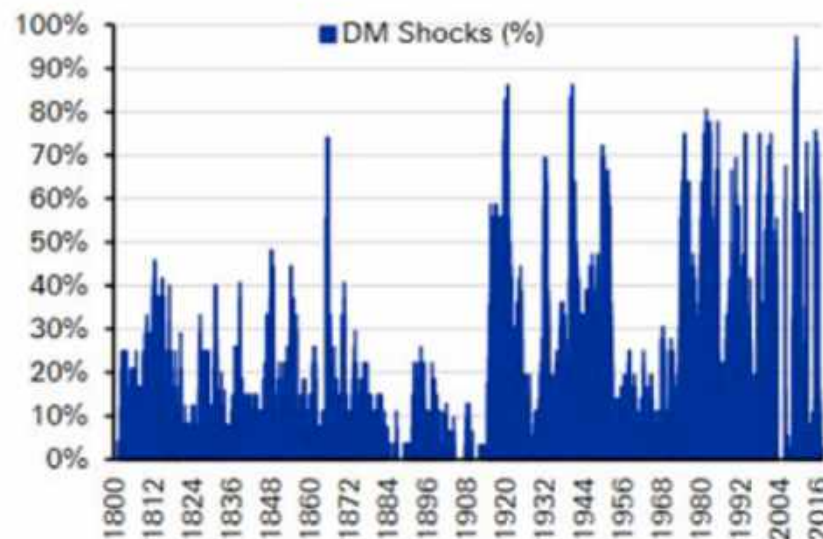


Figure 3.1 Monetary crises and banking crises (1970-1998): The number of monetary and banking crises has remained unusually high since the capital movement deregulation of the 1980's.⁵⁴



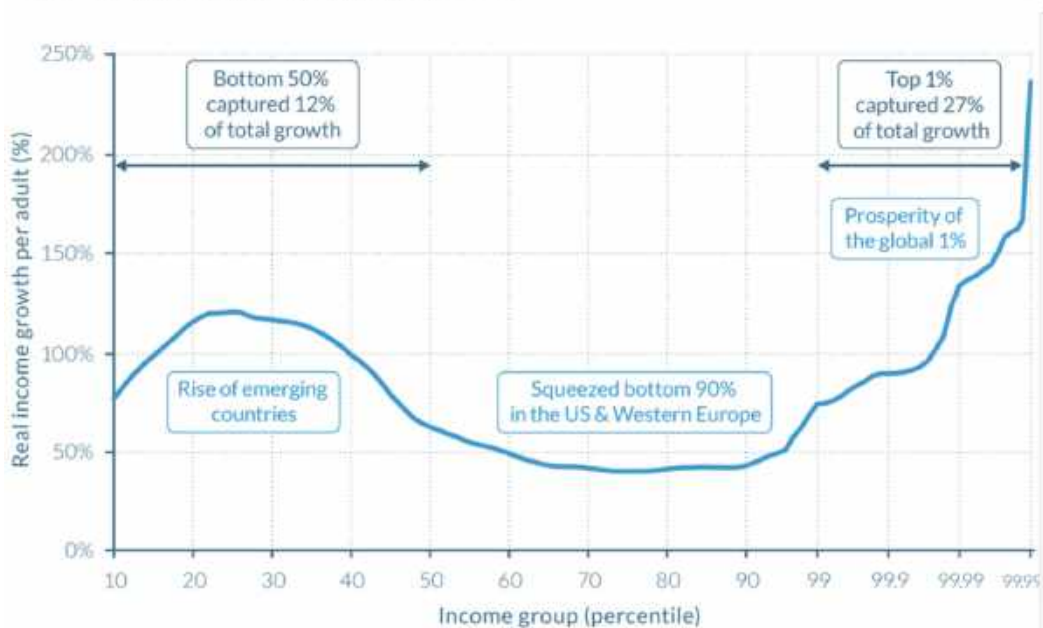
Source: Deutsche Bank, Global Financial Data, Author's calculations

Caprio and Klingelbiel: "Bank Insolvencies: Cross Country Experience" *Policy Research Working Papers #1620*. (Washington DC: World Bank, Policy and Research Department, 1996). Frankel J. & Rose, A. "Currency Crashes in Emerging Markets: an Empirical Treatment" *Journal of International Economics* Vol. 4, pgs 351-366 (1996). Kaminsky, G. & Reinhart, C. "The Twin Crisis: the Causes of Banking and Balance of Payment Problems" *American Economic Review*, Vol. 89, #3, pgs 473-500 (1999).

A sustainable transition needs to be social

Top percents...

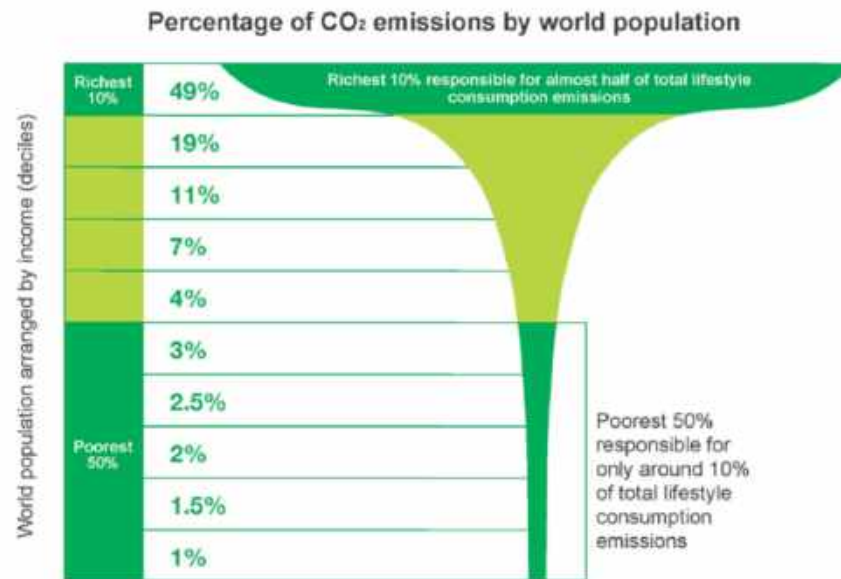
Figure E4 The elephant curve of global inequality and growth, 1980-2016



Source: WID.world (2017). See wir2018.wid.world/methodology.html for more details.

On the horizontal axis, the world population is divided into a hundred groups of equal population size and sorted in ascending order from left to right, according to each group's income level. The Top 1% group is divided into ten groups, the richest of these groups is also divided into ten.

Figure 1: Global income deciles and associated lifestyle consumption emissions



Source: Oxfam

...capture growth

& have highest CO₂ emissions impacting all of use

Bernard's work: Financial system fuels inequality

Interest payments and interest gains
create large disparities:

80% of the population pays twice as
much as they receive

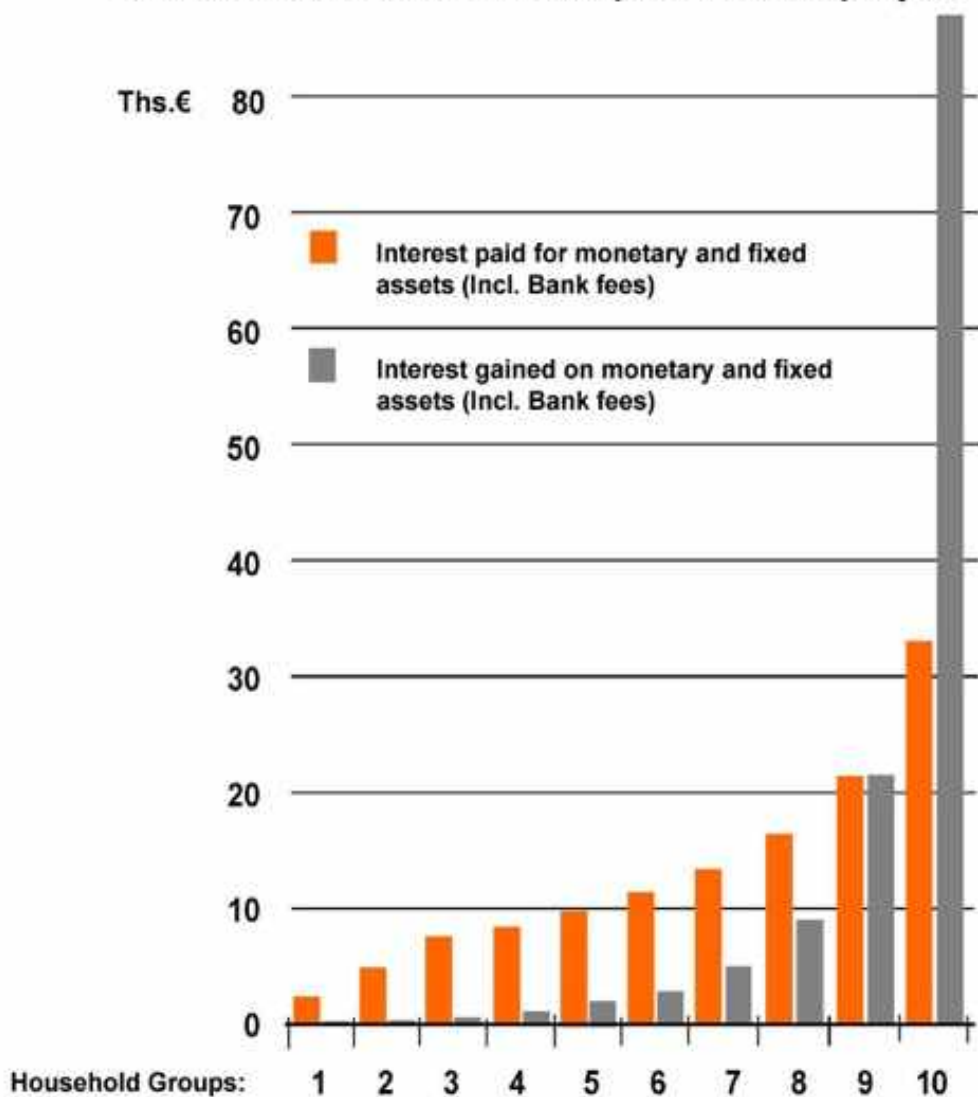
10% at the top gain



**Until decile 8,
people pay more than they
receive**

Comparison of Interest Paid & Gained

in ten groups of households of 3.8 million each
reference year 2000
all values in thousands of Euros per household per year



Source: H Creutz

2. Towards solutions: resilience & transition

- From short-termism to long term sustainability
- Behavioural lock-in/ habits (evolutionary economics)

Tools & incentive

*Example of
company cars
In Belgium*



Complementary currencies as incentive systems

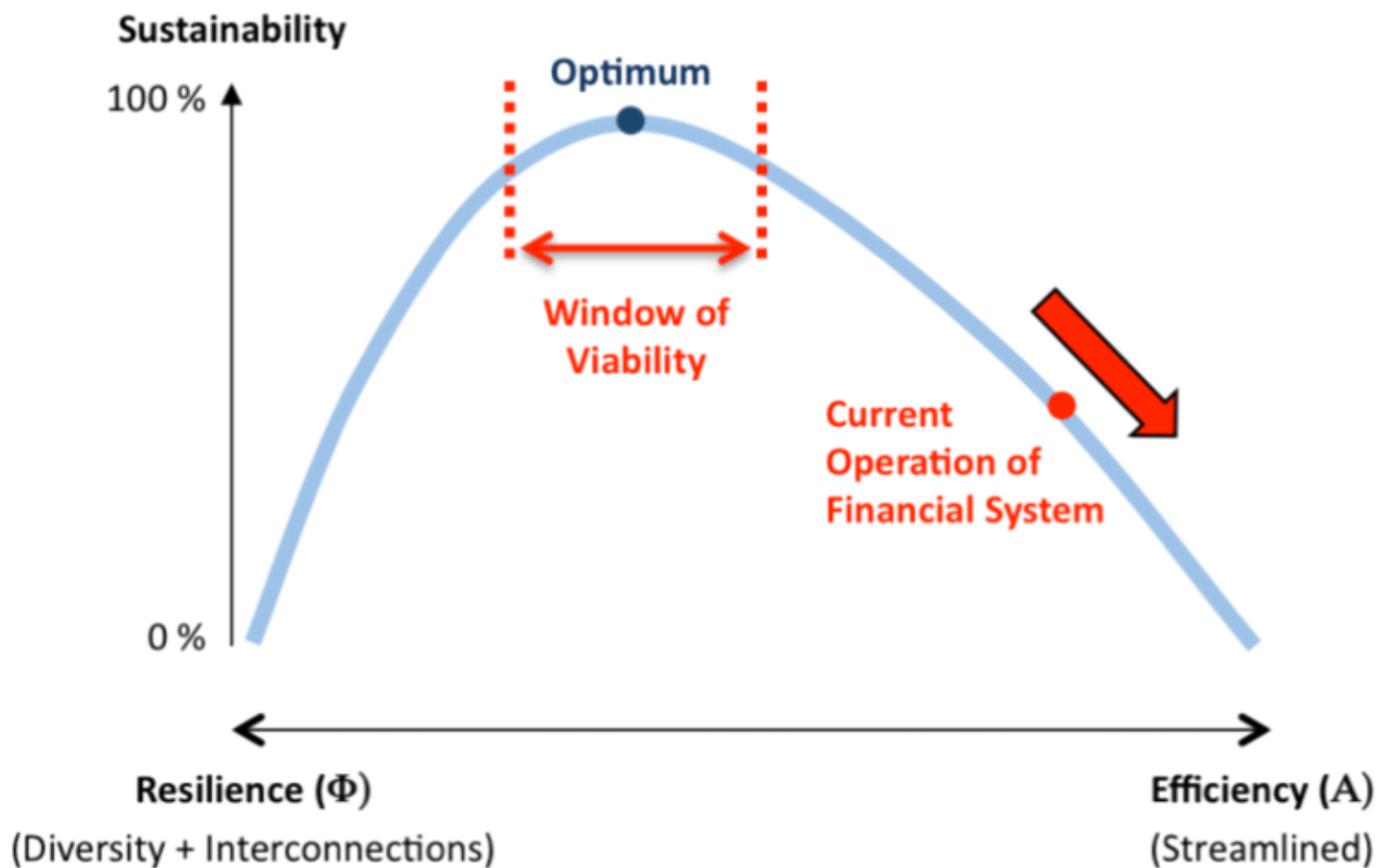
Bernard's work: CC as motivation device



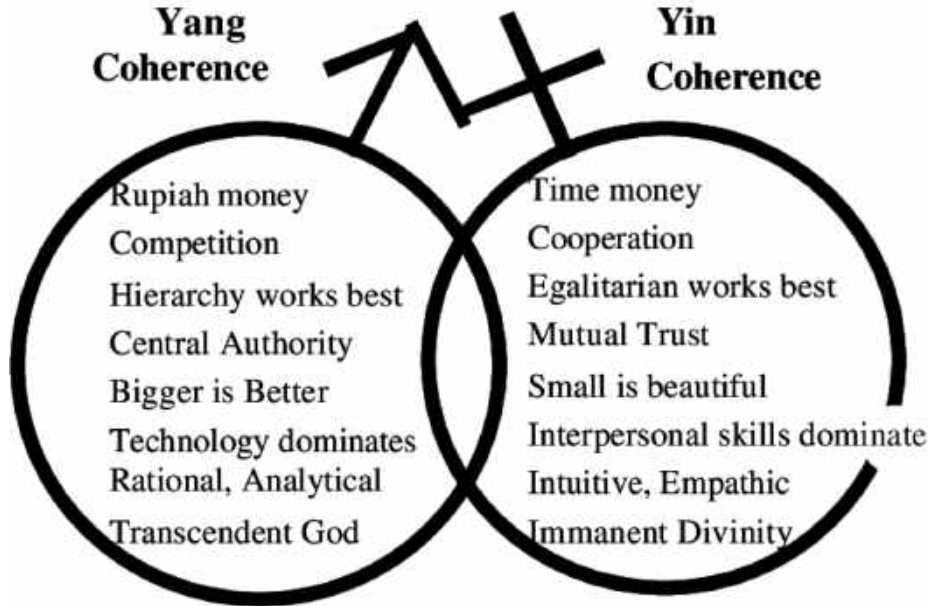
Innovative Instruments for Energy Saving Policies

Rewarding vs. Regulatory instruments

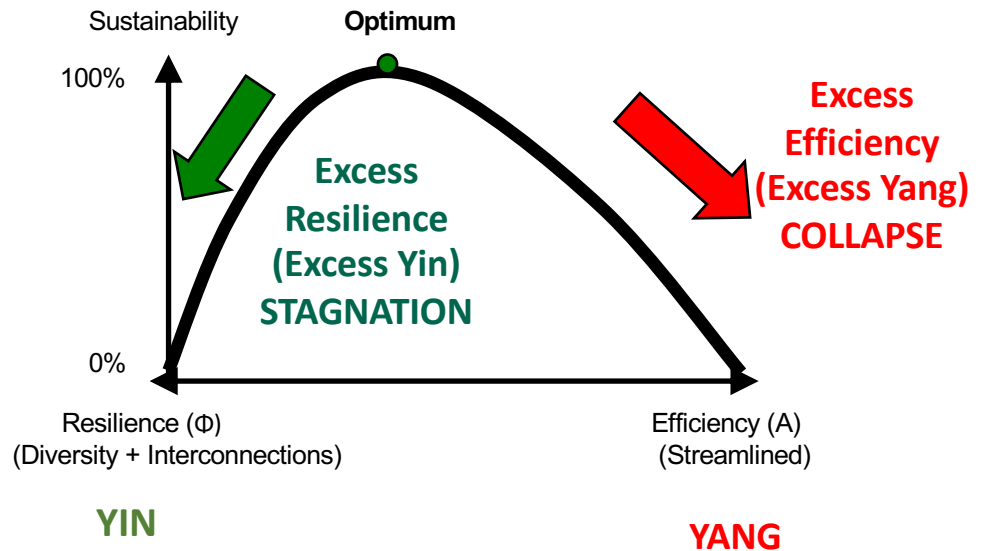
Towards resilience

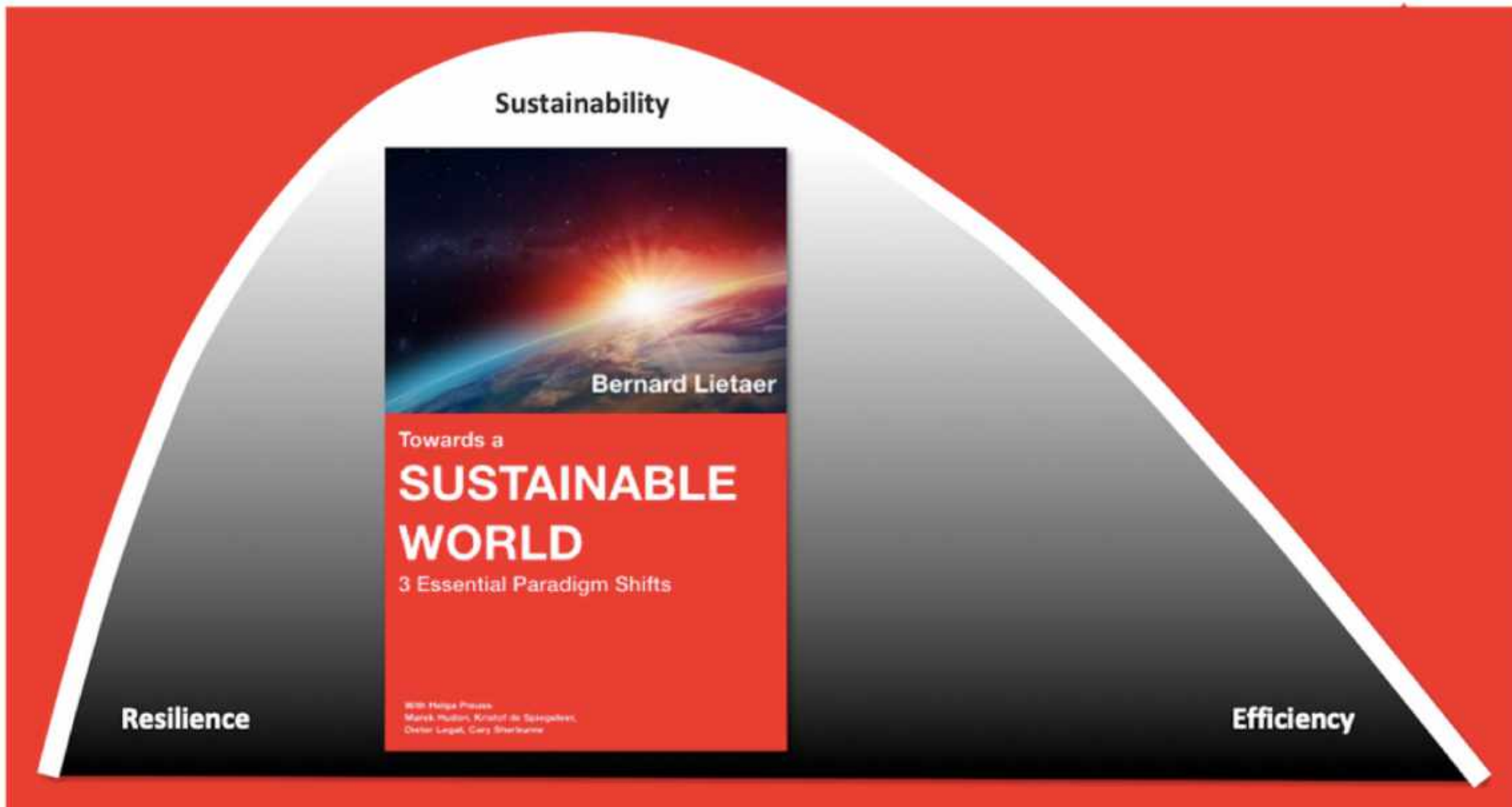


Towards an ecology of monetary systems for resilience



Insights from taoist philosophy





Thanks to..

Club of Rome Europe

&

Anne Snick!!