

# Incongruence

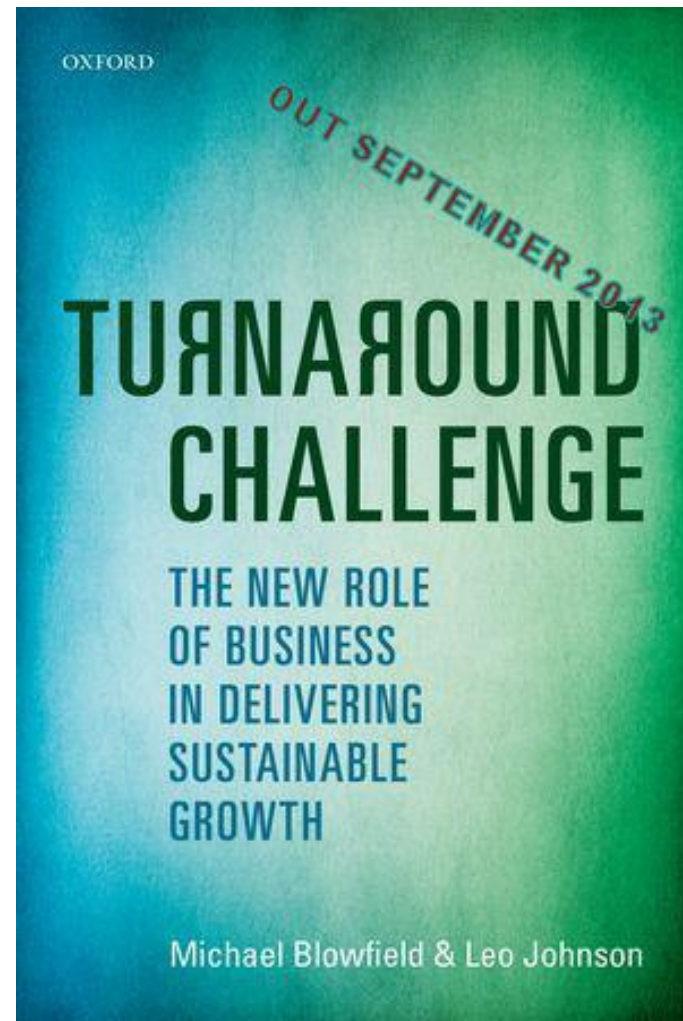
**Human and  
organisational  
readiness for  
global crises**



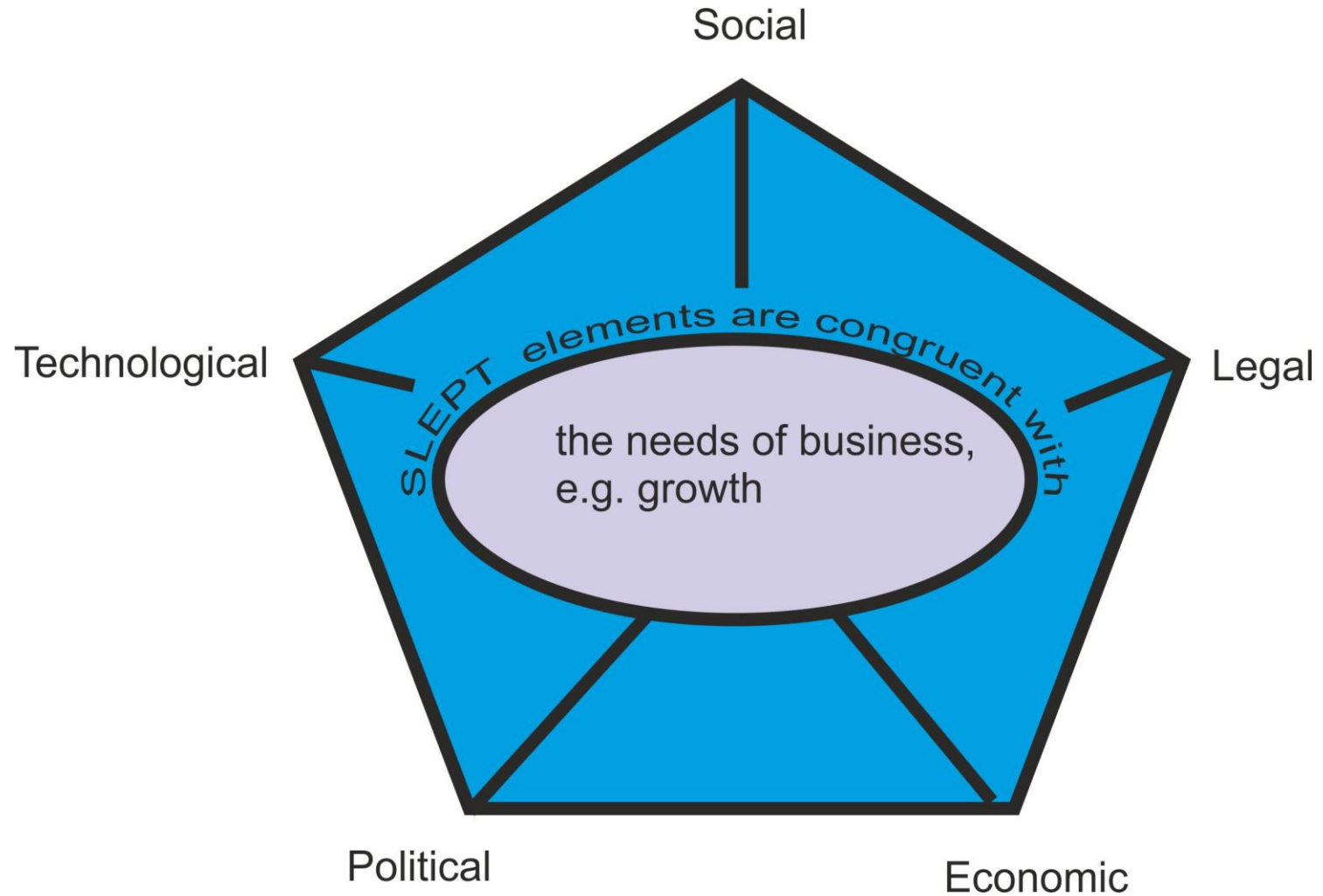
Mick Blowfield : VHI June 2013

[mick.blowfield@smithschool.ox.ac.uk](mailto:mick.blowfield@smithschool.ox.ac.uk)

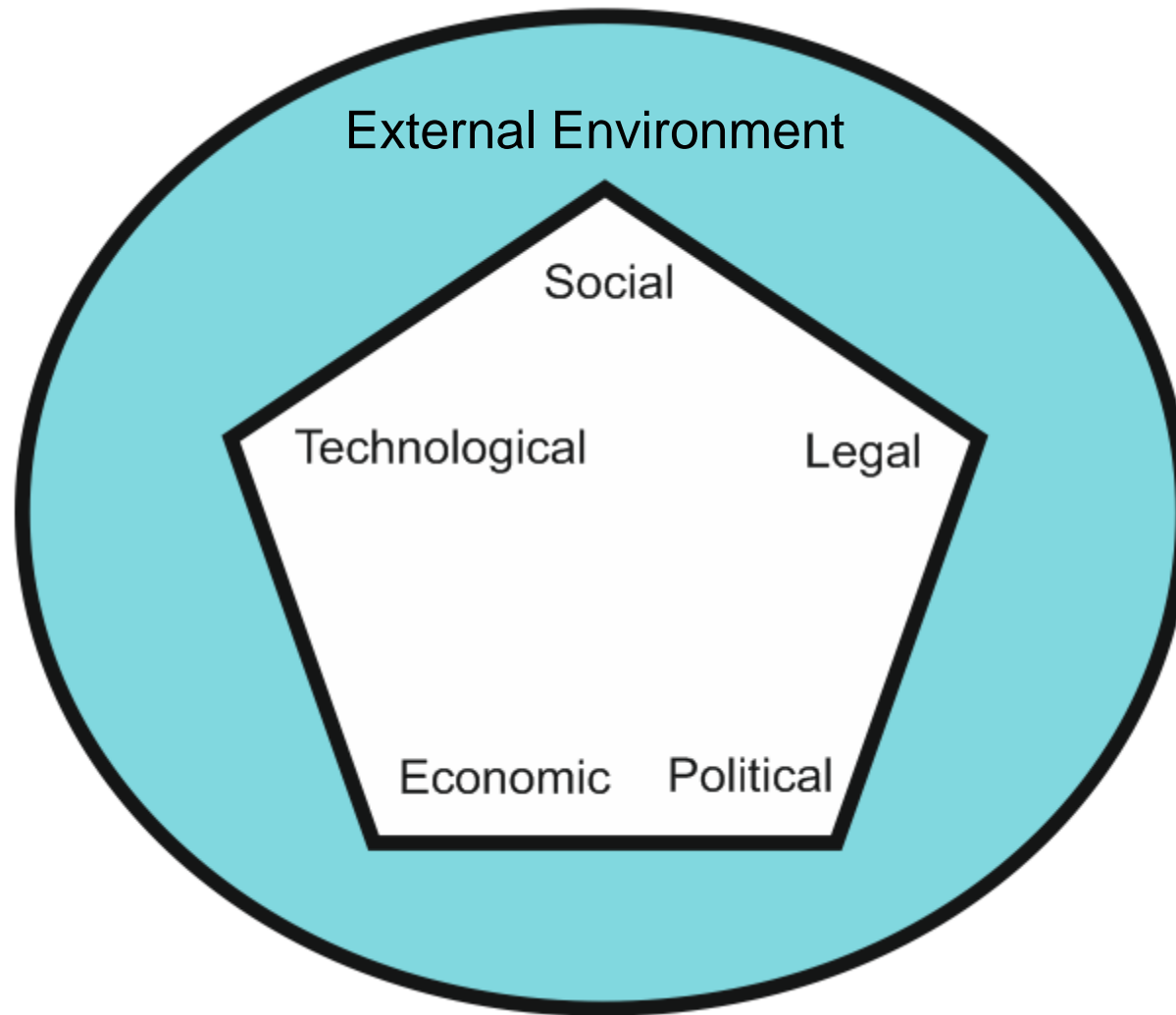
# Scope

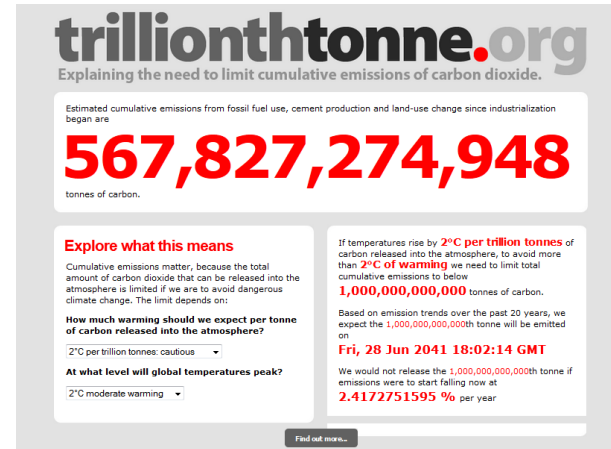
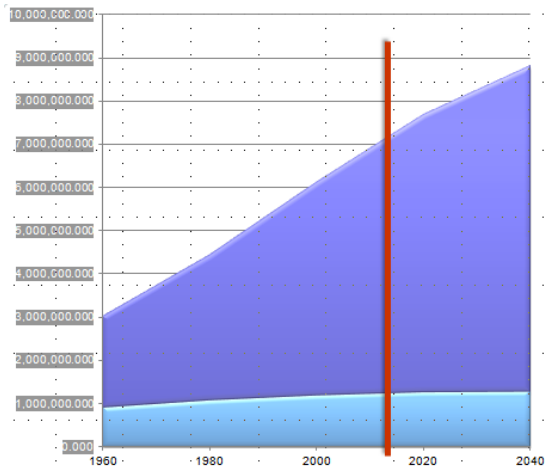


# Societal congruence

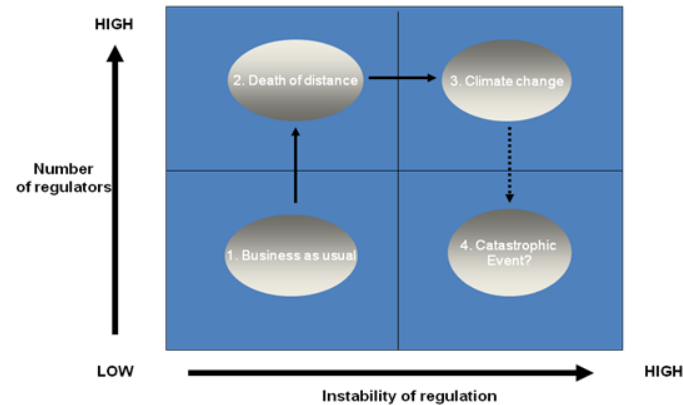
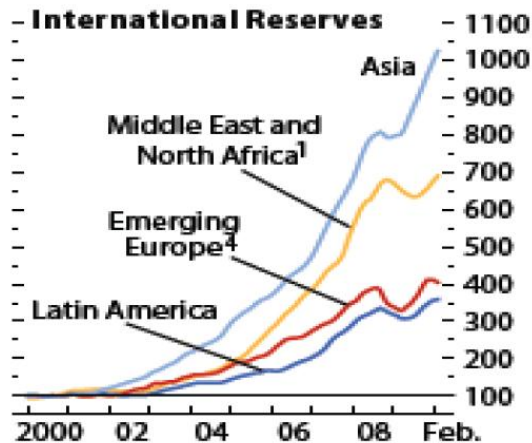


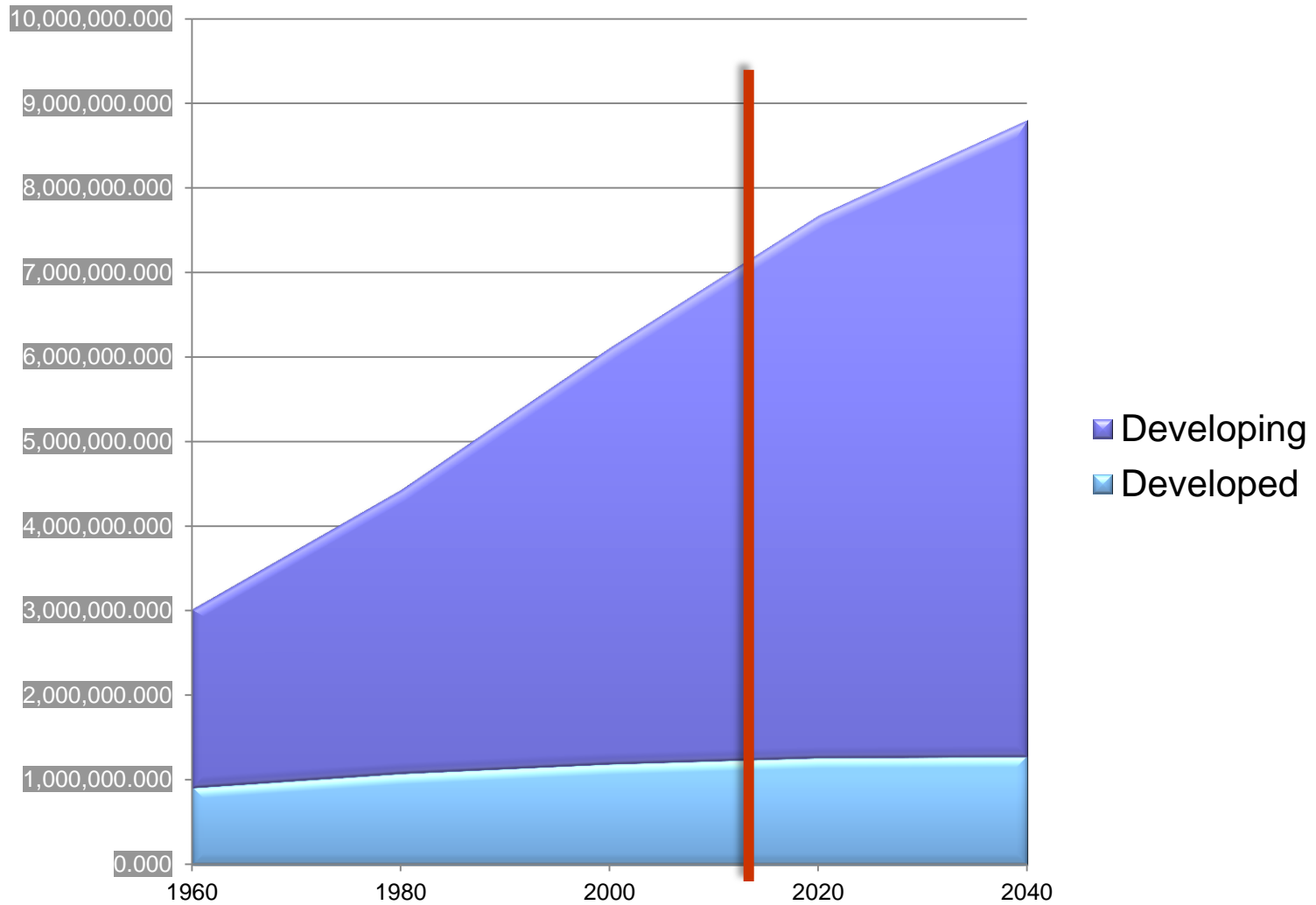
# External congruence





## Quadlemma of Crises





# trillionthtonne.org

Explaining the need to limit cumulative emissions of carbon dioxide.

Estimated cumulative emissions from fossil fuel use, cement production and land-use change since industrialization began are

# 567,827,274,948

tonnes of carbon.

## Explore what this means

Cumulative emissions matter, because the total amount of carbon dioxide that can be released into the atmosphere is limited if we are to avoid dangerous climate change. The limit depends on:

**How much warming should we expect per tonne of carbon released into the atmosphere?**

2°C per trillion tonnes: cautious ▾

**At what level will global temperatures peak?**

2°C moderate warming ▾

If temperatures rise by **2°C per trillion tonnes** of carbon released into the atmosphere, to avoid more than **2°C of warming** we need to limit total cumulative emissions to below

**1,000,000,000,000** tonnes of carbon.

Based on emission trends over the past 20 years, we expect the **1,000,000,000,000th** tonne will be emitted on

**Fri, 28 Jun 2041 18:02:14 GMT**

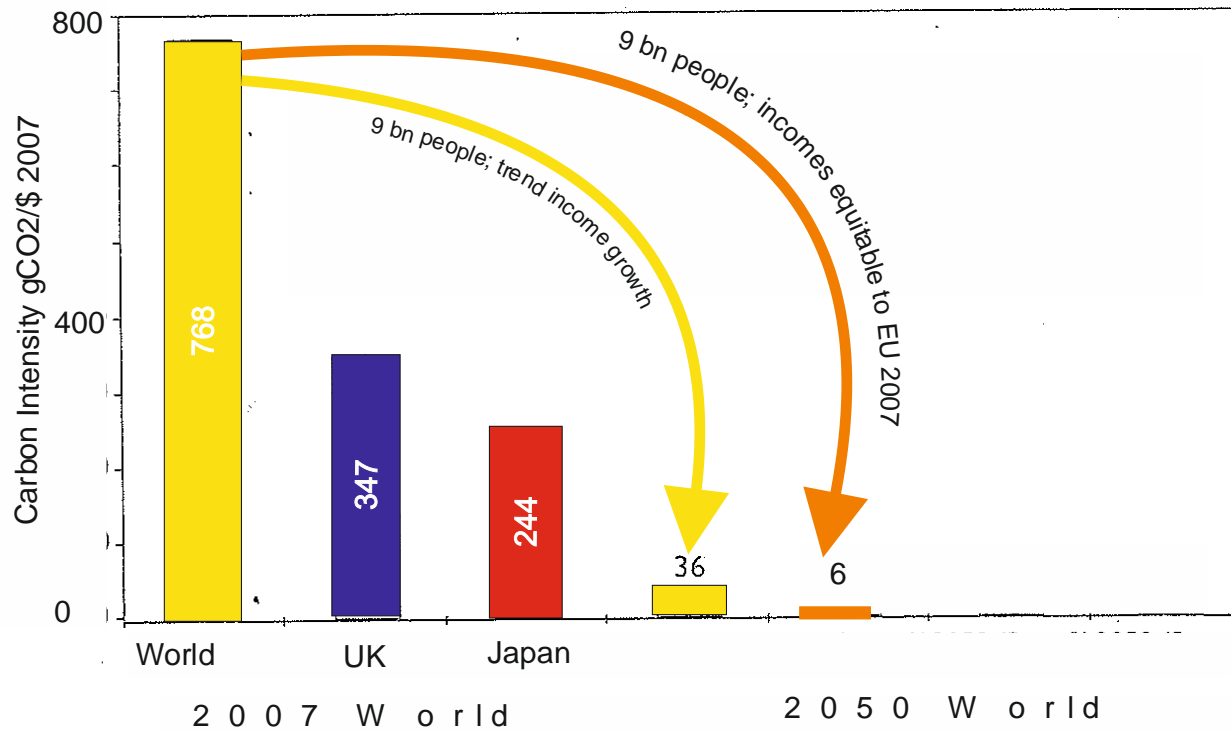
We would not release the **1,000,000,000,000th** tonne if emissions were to start falling now at

**2.4172751595 %** per year

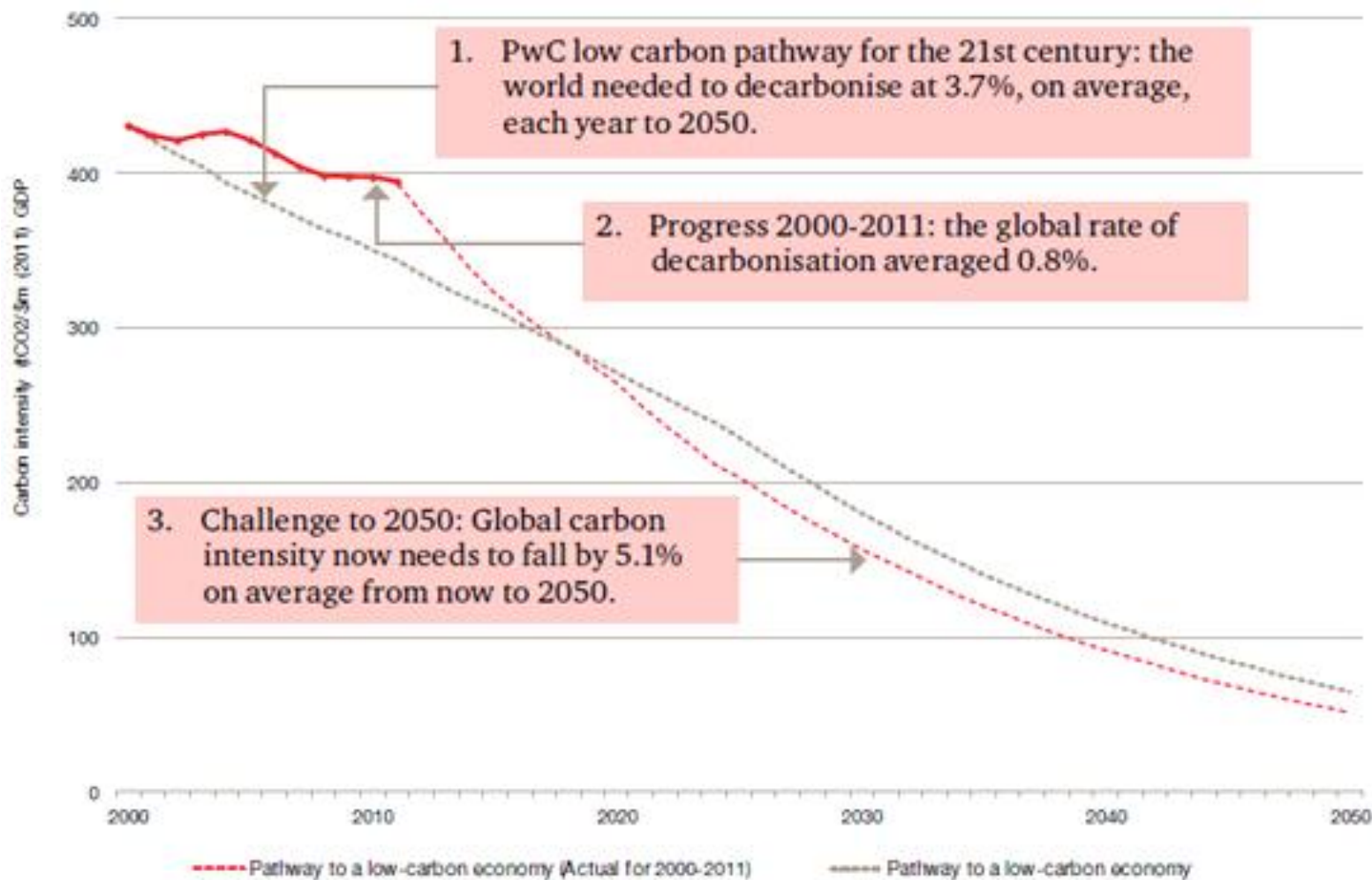
[Find out more...](#)



Carbon Intensities required to meet 450ppm target  
adapted from Jackson 2009







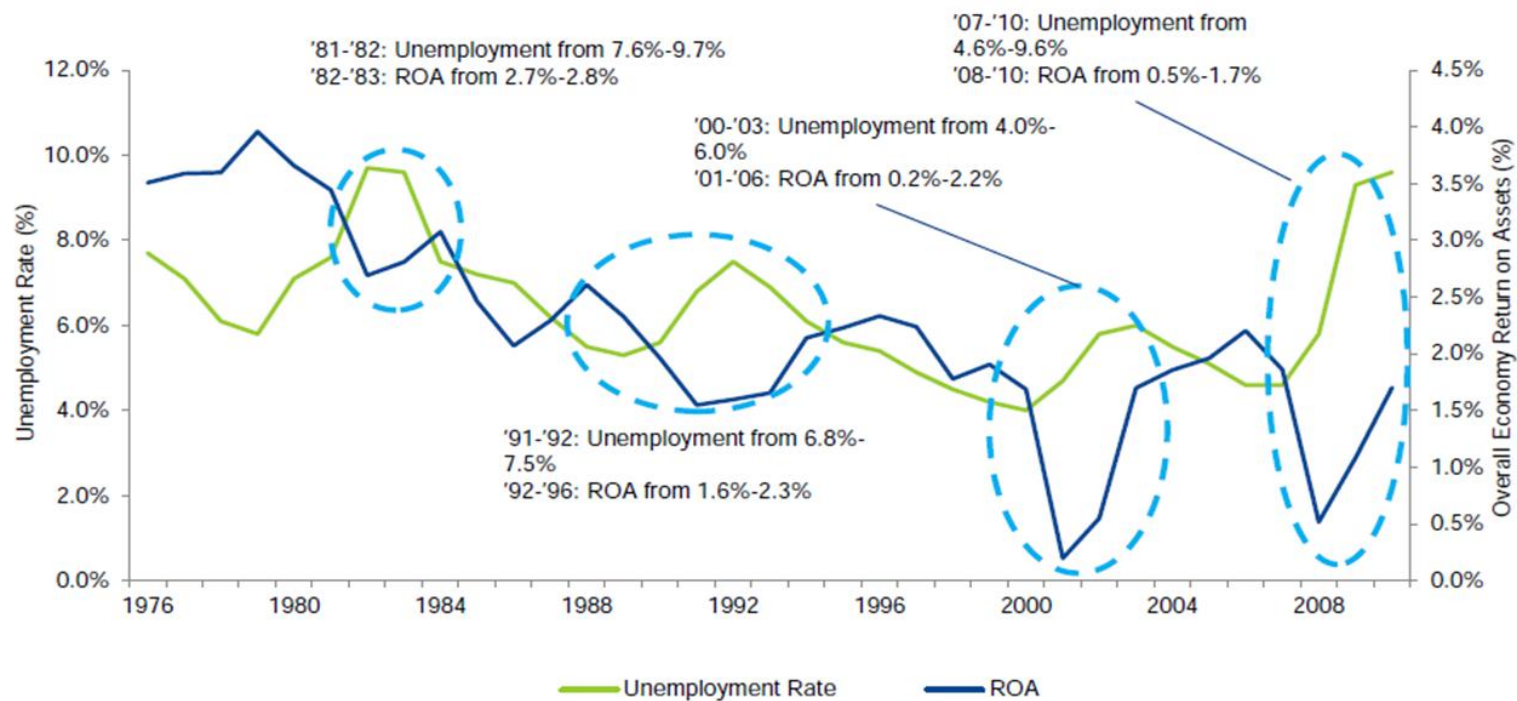
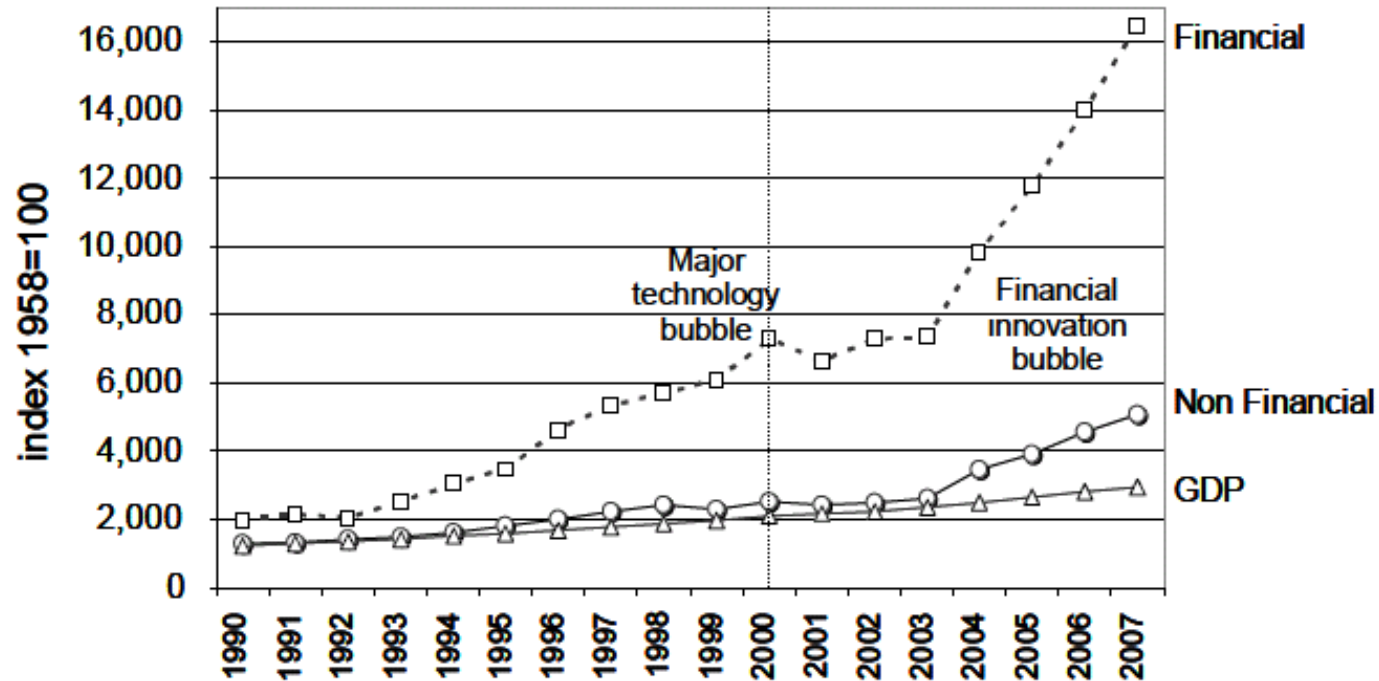


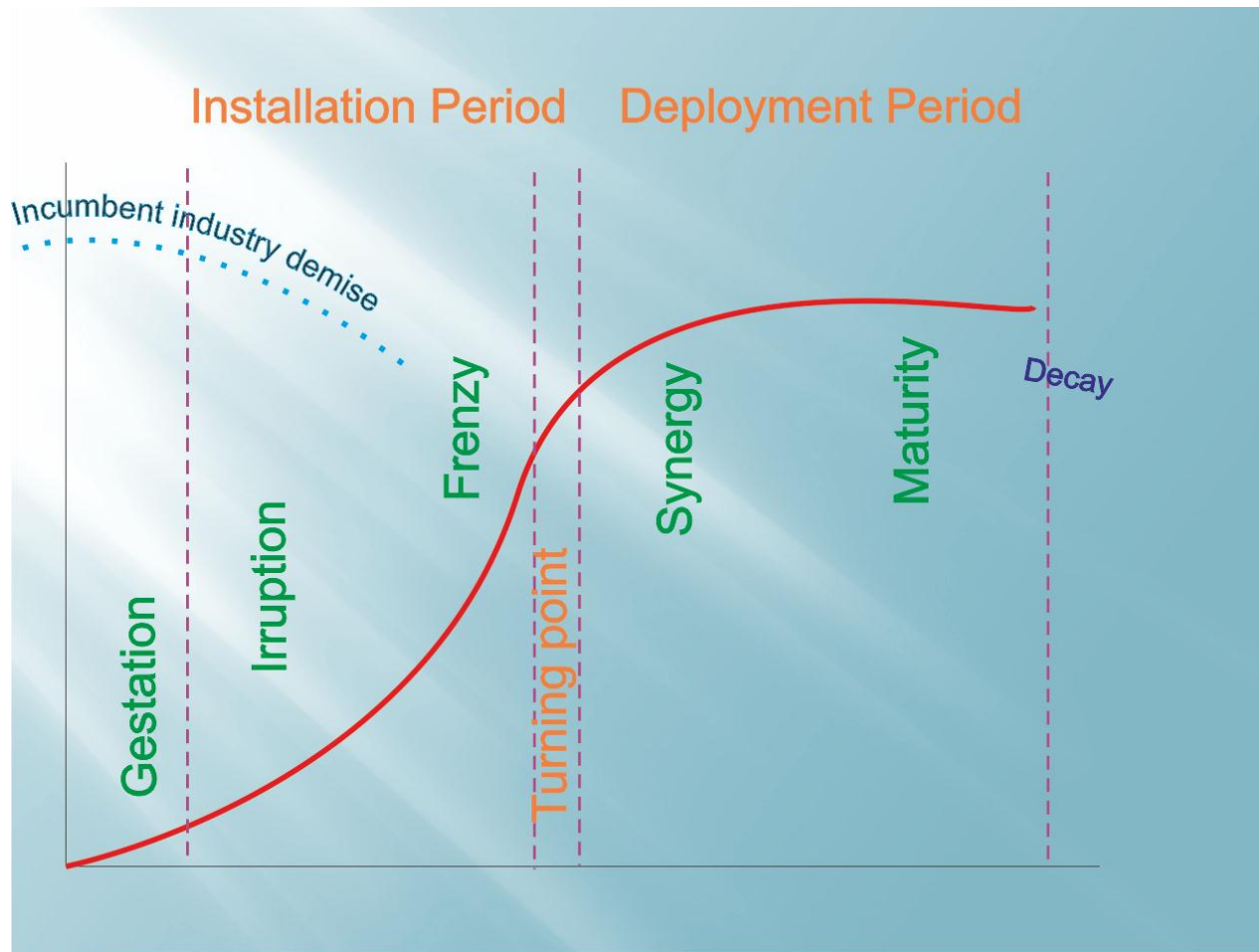
Figure 5  
The intensified bias towards financial profits

Growth in the profits of financial and nonfinancial corporations compared to GDP  
US 1990-2007. 1958=100



Source: Bureau of Economic Analysis

# A voyage into the known



Arkwright's mill

Stephenson's locomotive

Carnegie's steel mill

Ford's Model T

Intel's chip

Table 1 Orders of worth

	<i>Inspired</i>	<i>Domestic</i>	<i>Civic</i>	<i>Opinion</i>	<i>Market</i>	<i>Industrial</i>
Mode of evaluation (worth)	Grace, nonconformity, creativeness	Esteem, reputation	Collective interest	Renown	Price	Productivity, efficiency
Format of relevant information	Emotional	Oral, exemplary, anecdotal	Formal, official	Semiotic	Monetary	Measurable: criteria, statistics
Elementary relation	Passion	Trust	Solidarity	Recognition	Exchange	Functional link
Human qualification	Creativity, ingenuity	Authority	Equality	Celebrity	Desire, purchasing power	Professional competency, expertise

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