

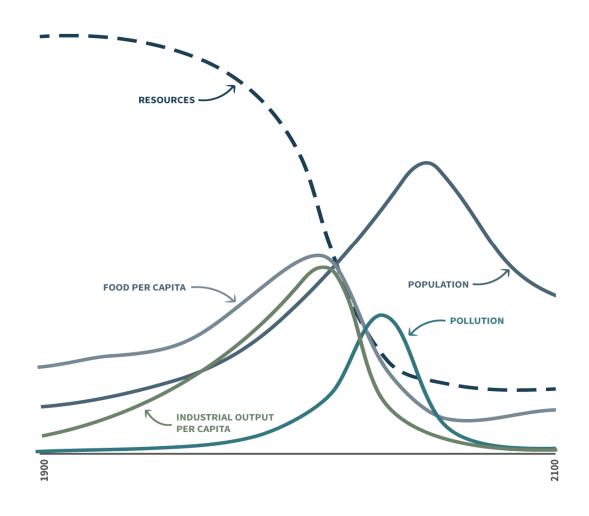








# The Challenge of Limits



"Anyone who believes that exponential growth can go on forever in a finite world is either a madman or an economist."

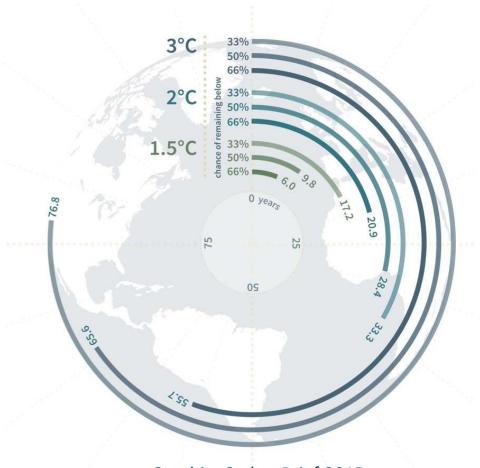
Kenneth Boulding 1973

#### **The Carbon Challenge**

"Before we run out of resources, we're running out of planet."

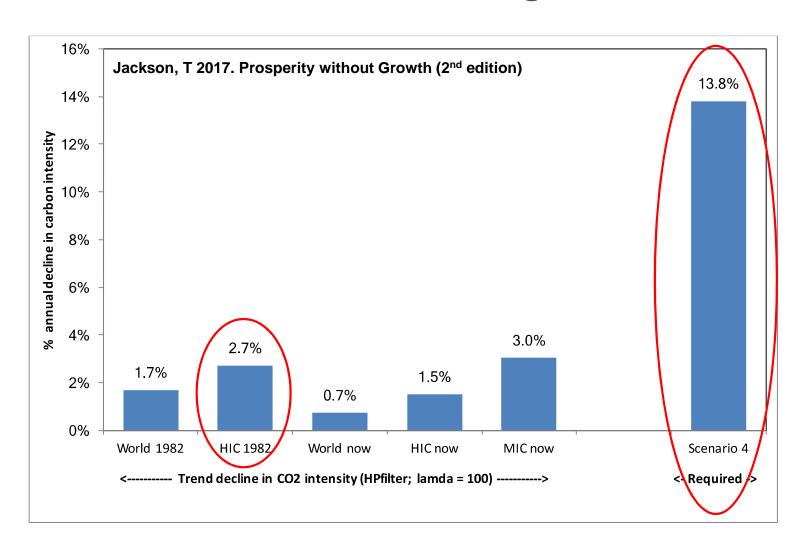
Bill McKibben

- IPCC 1.5 report: 12 years to 'save the climate'; net zero carbon in 3 decades;
- Sweden: net zero by 2045
- Finland: net zero by 2035
- Extinction rebellion: net zero by 2025.

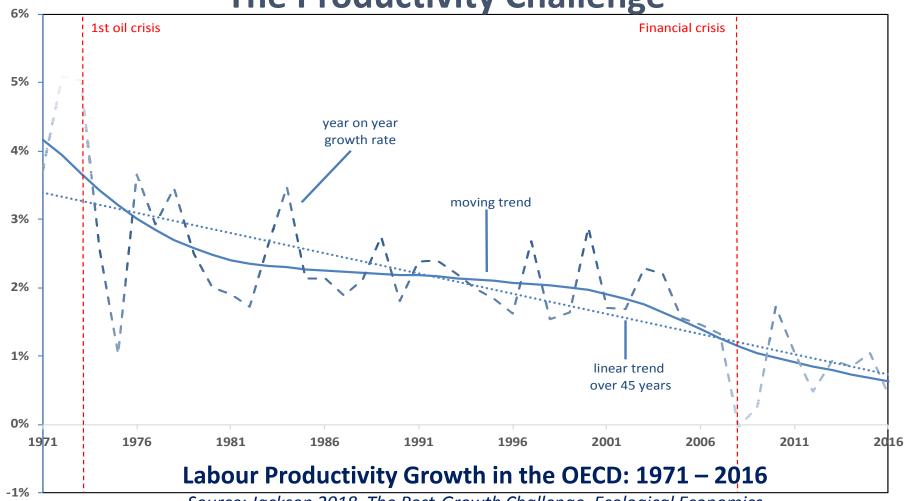


Graphic: CarbonBrief 2015

#### **The Carbon Challenge**

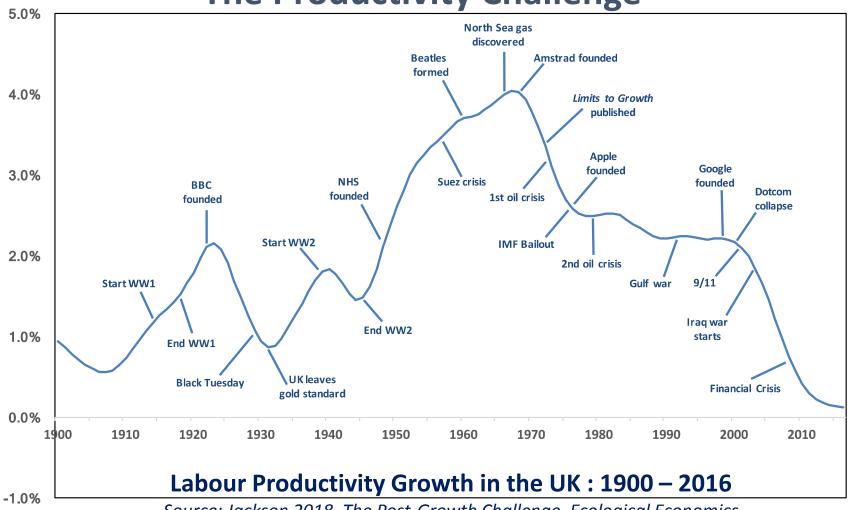


The Productivity Challenge



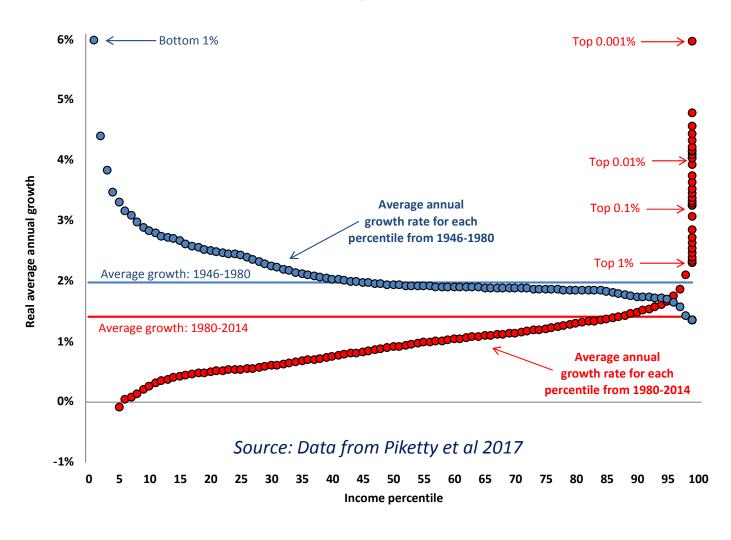
Source: Jackson 2018. The Post-Growth Challenge. Ecological Economics

The Productivity Challenge

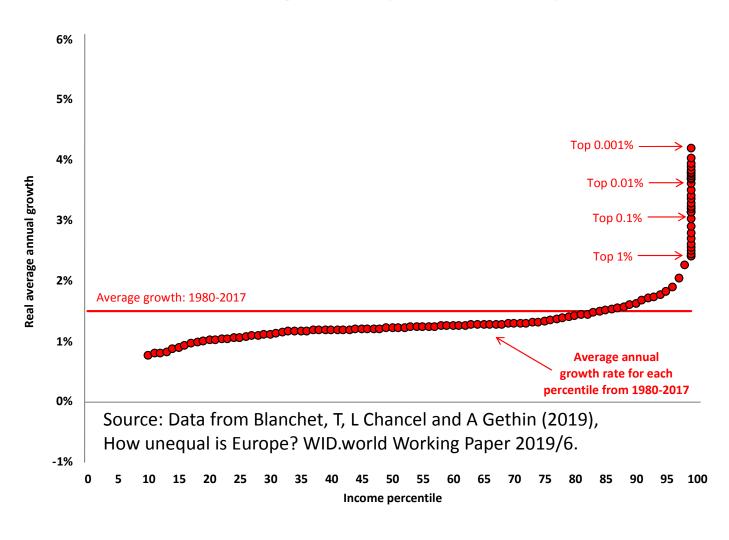


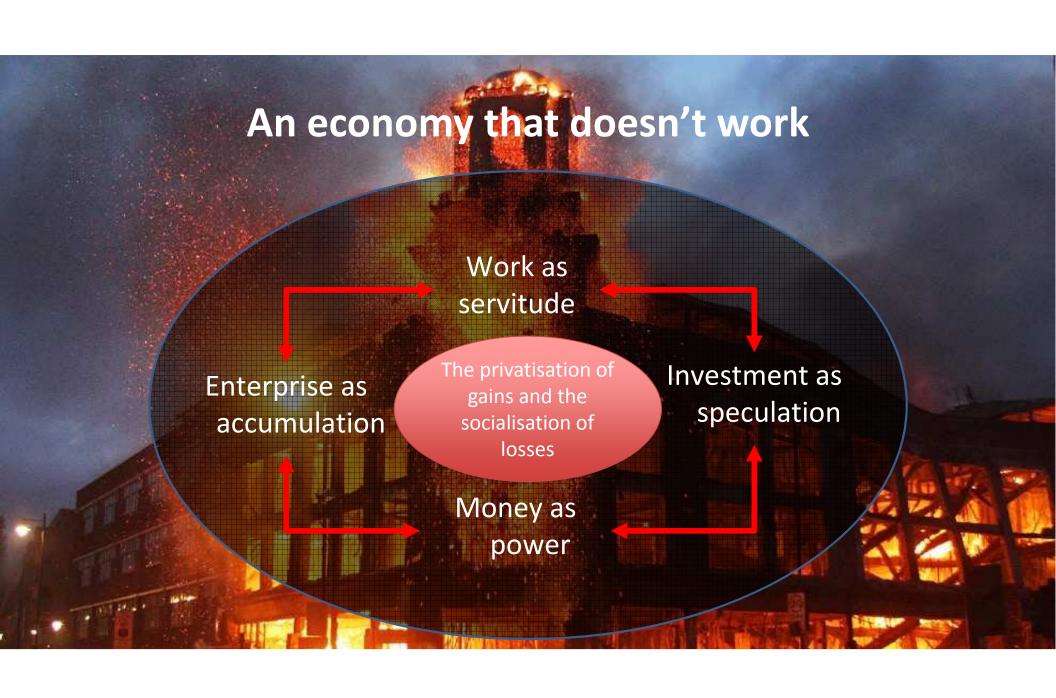
Source: Jackson 2018. The Post-Growth Challenge. Ecological Economics

#### **Growing Unequal**



#### **Growing Unequal - Europe**





'Human and earthly limits, properly understood, are not confinements, but rather inducements... to fullness of relationship and meaning.'

Wendell Berry 2008

#### Principles for the economy we need







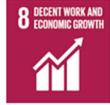






























#### Principles for the economy we need

- Remain within 'planetary boundaries'
  - SDGs 11, 12, 13, 14, 15
  - Provide decent lives and livelihoods
    - SDGs 1, 2, 3, 4, 6, 7, (8)
    - Ensure a just transition
      - SDGs 1, 5, 10, 16
      - Enable participation
        - SDGs 4, 8, 9, 10, 16, 17
      - Protect social values
        - SDGs 9, 11, 12, 16, 17



























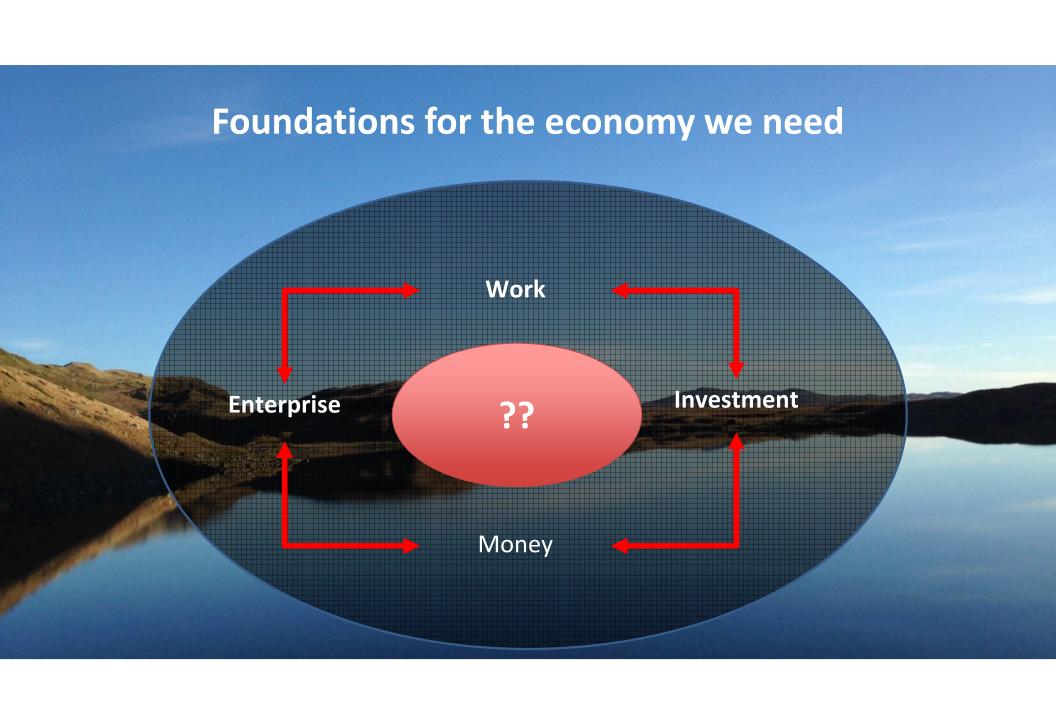






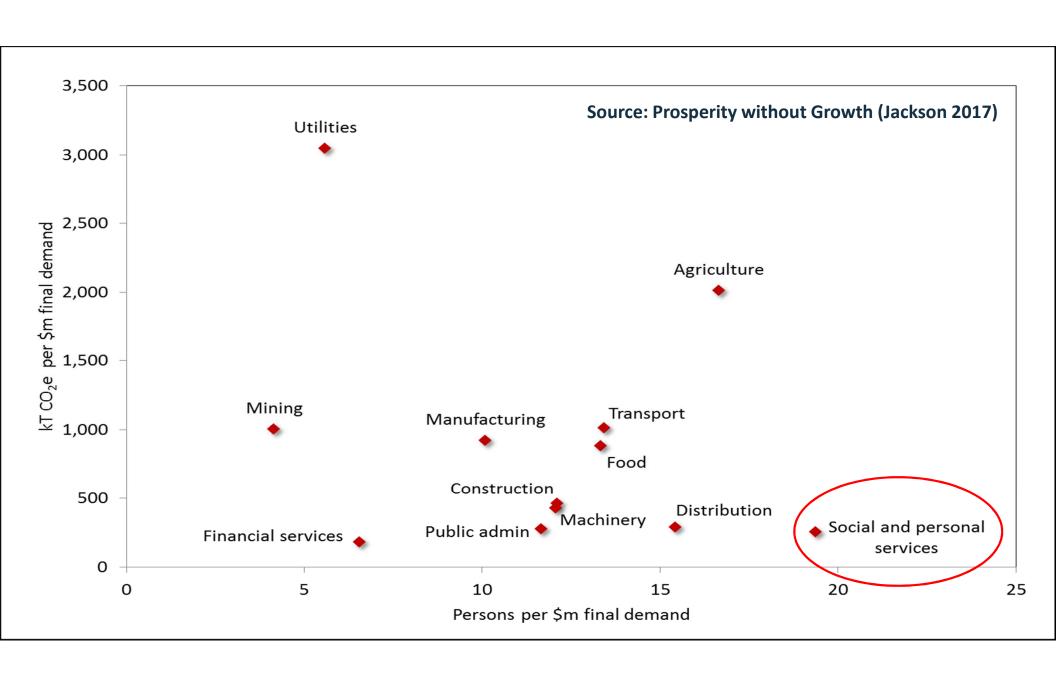


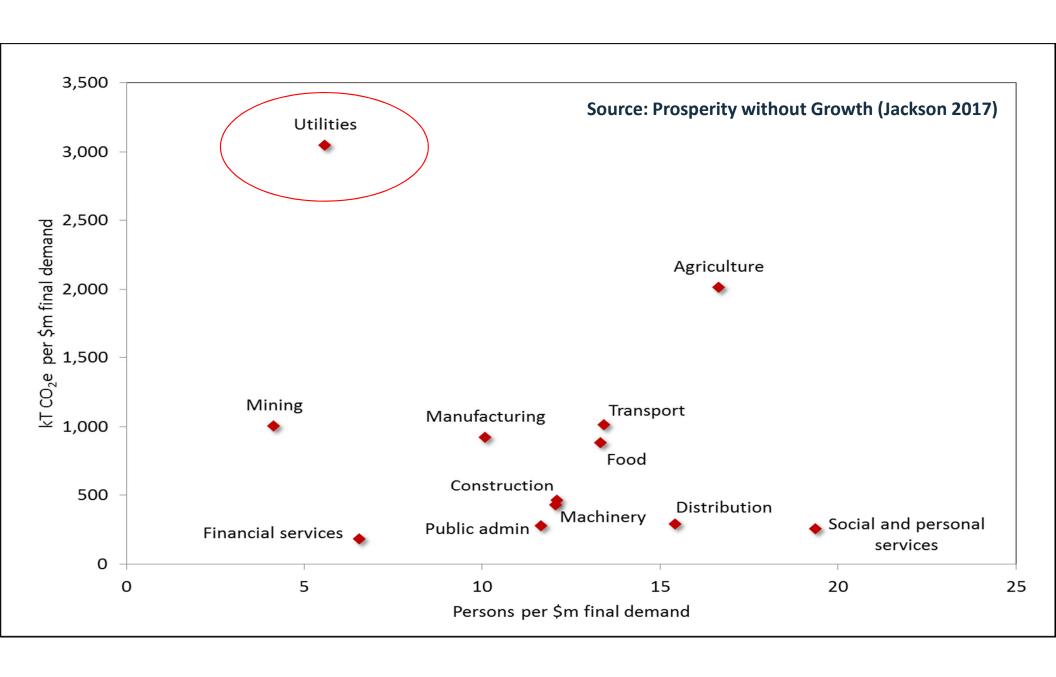






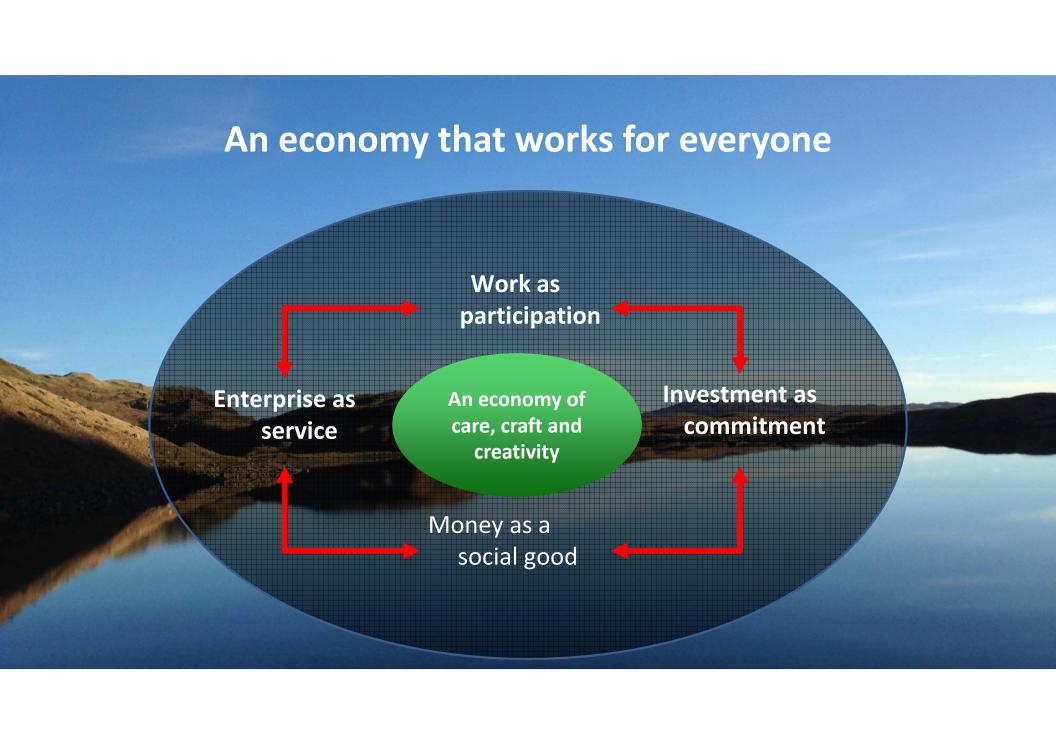


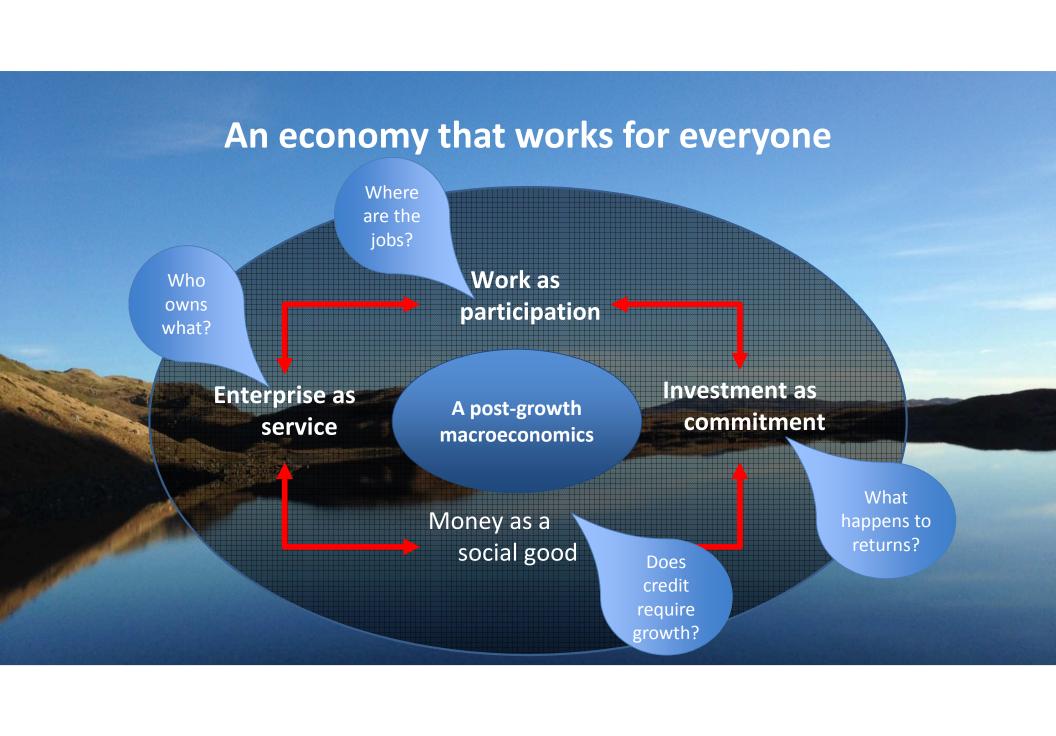




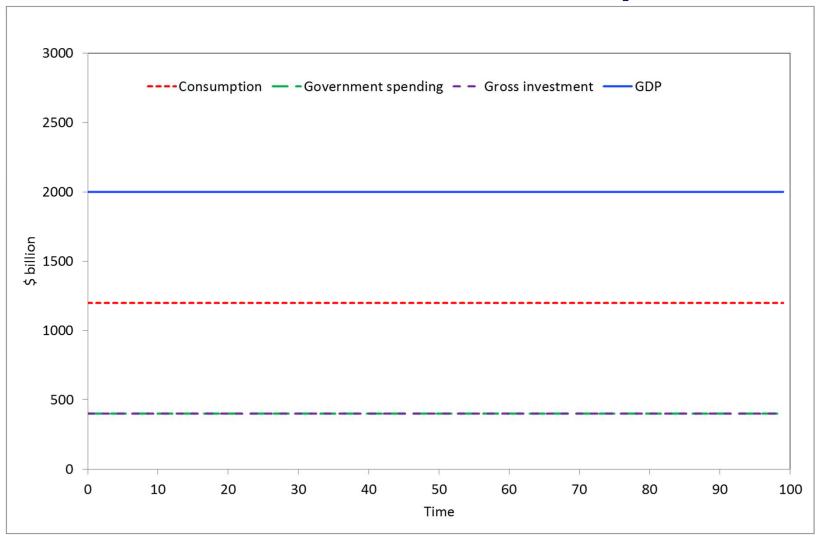




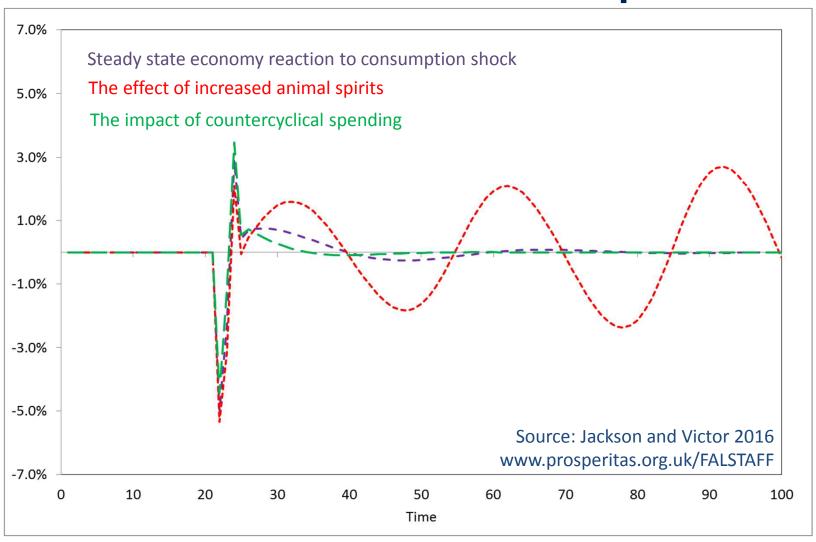




## **Does Credit Create a Growth Imperative?**



### **Does Credit Create a Growth Imperative?**







'The consumption society has made us feel that happiness lies in having things, and has failed to teach us the happiness of not having things.'

Elise Boulding 1955



