

**NANYANG
TECHNOLOGICAL
UNIVERSITY**

Growth versus Sustainability: Are These Mutually Exclusive Goals?

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International Sustainable Campus Network Annual Conference

Mr William Henry Clune

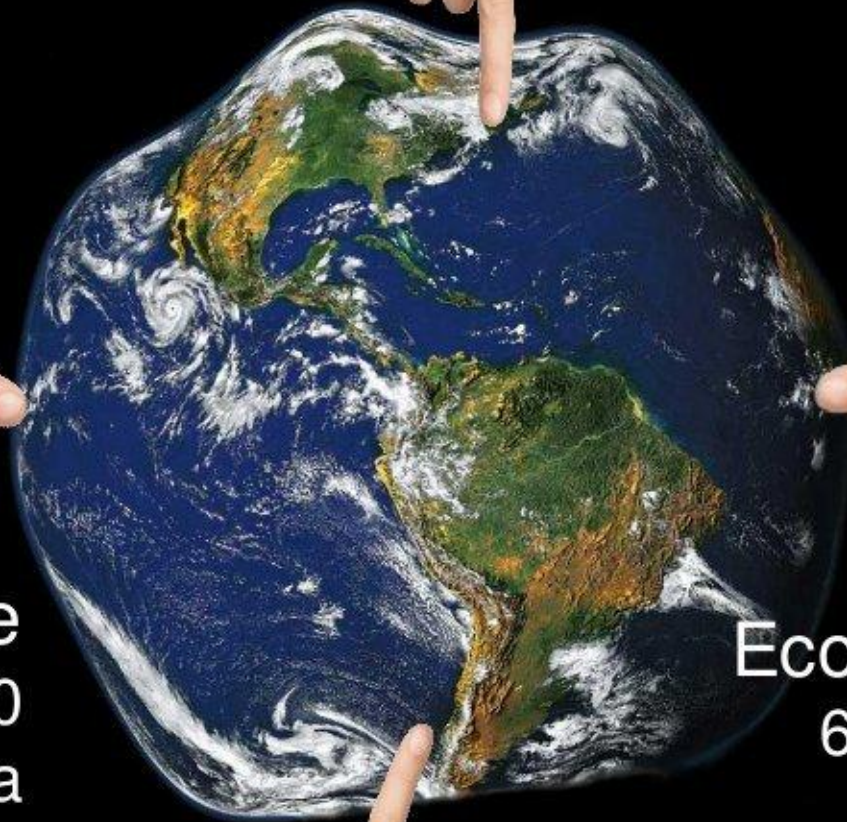
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"The Quadruple Squeeze"

Human Pressure
20/80 dilemma



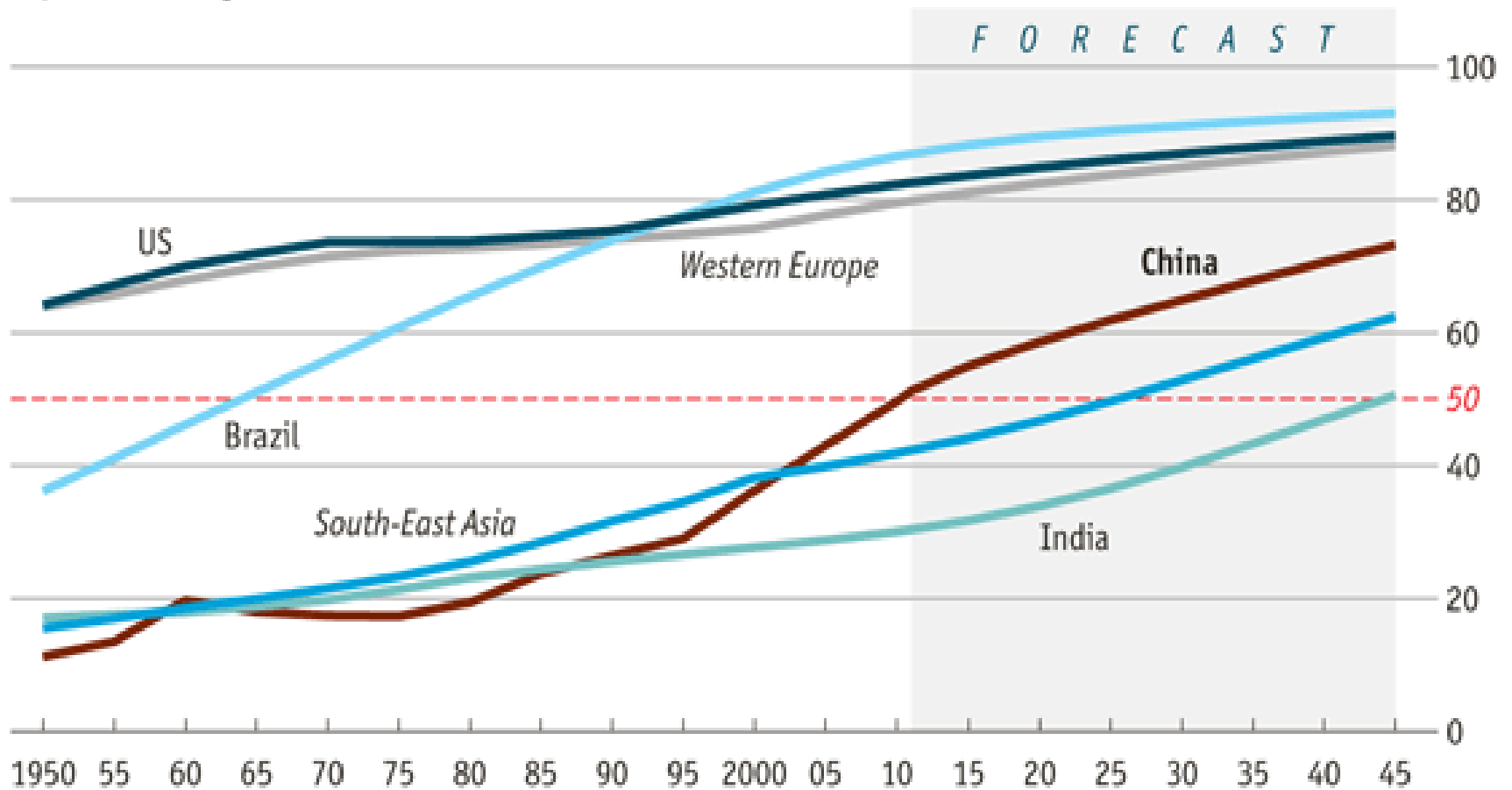
Climate change
560/450/350
dilemma

Ecosystem decline
60 % loss dilemma

Surprise
99/1 dilemma

Urbanisation

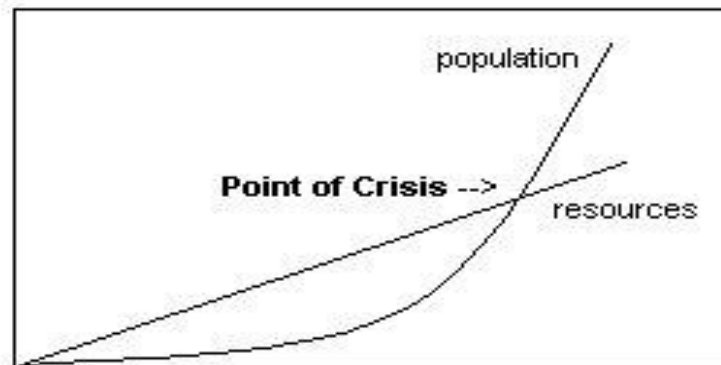
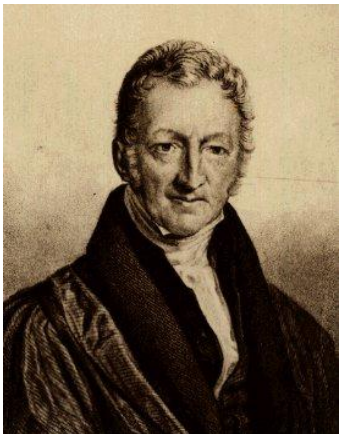
Population living in urban areas, % of total



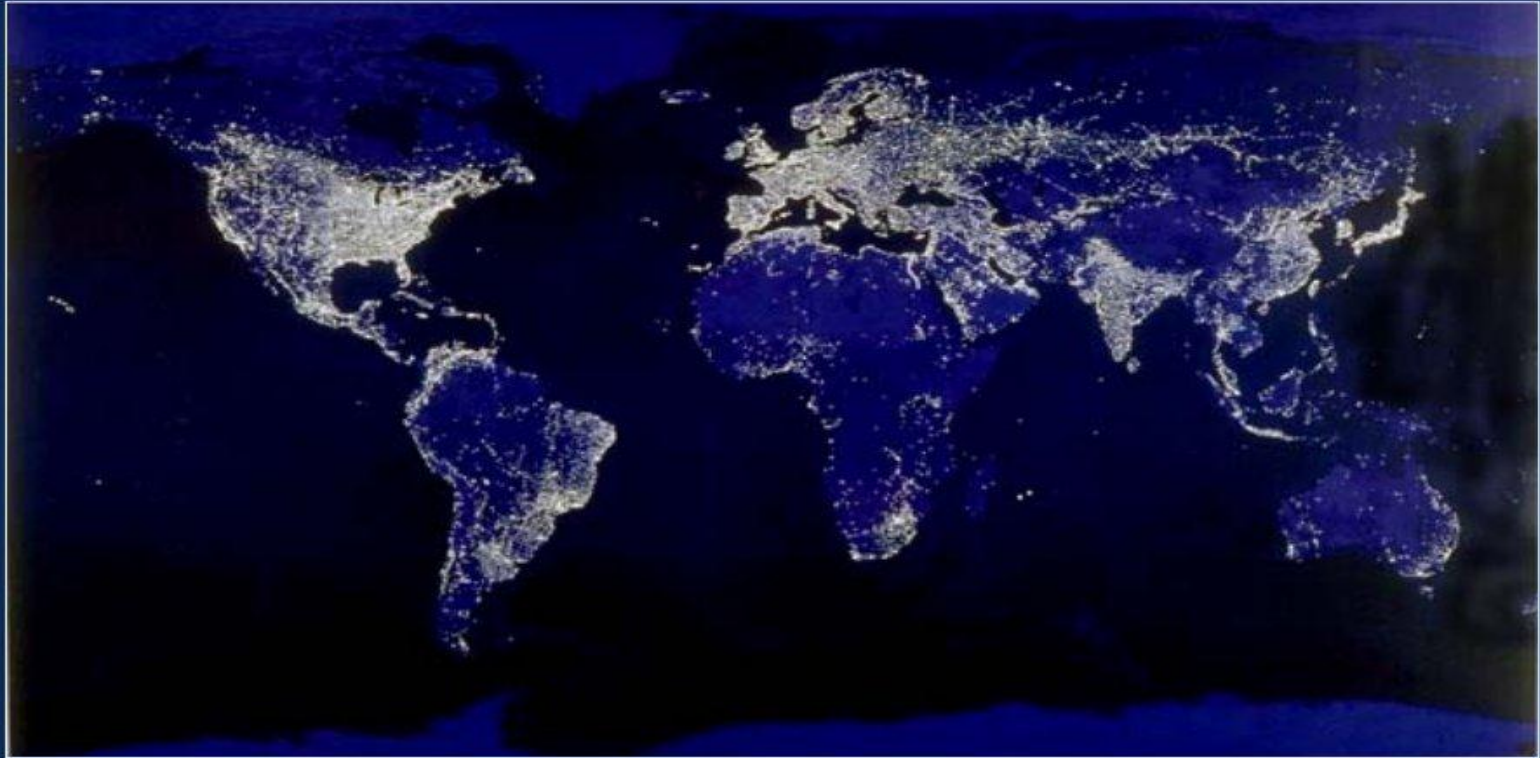
Sources: CEIC; UN Population Division; *The Economist*

What about Growth?

- Growth more closely linked to ecological capacity and resilience
- What is growth? Prosperity? Consumption? GDP Increase?
- The role of technology & innovation ... capacity is dynamic



Malthus' Basic Theory



Earth by night

Source: www.novaspace.com