

# The Economics of Biodiversity

### **#LSEBiodiversity**

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## **Professor Sir Partha Dasgupta**

Frank Ramsey Emeritus Professor of Economics at the University of Cambridge and Chair of the Management Board of its Centre for the Study of Existential Risk.

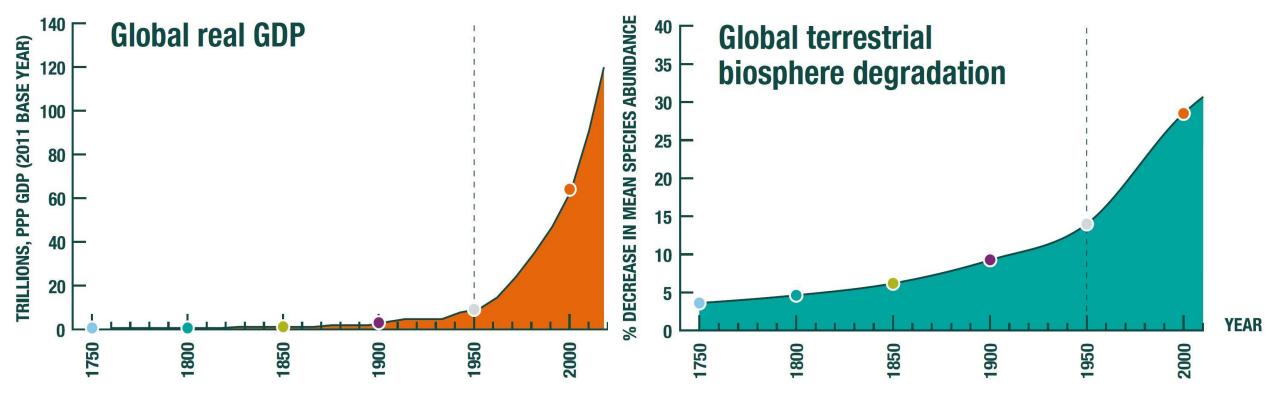
## **Chair: Minouche Shafik**

Director of the London School of Economics and Political Science.

Hosted by the Grantham Research Institute on Climate Change and the Environment

Welcome to this LSE public event that will start in a few moments' time.

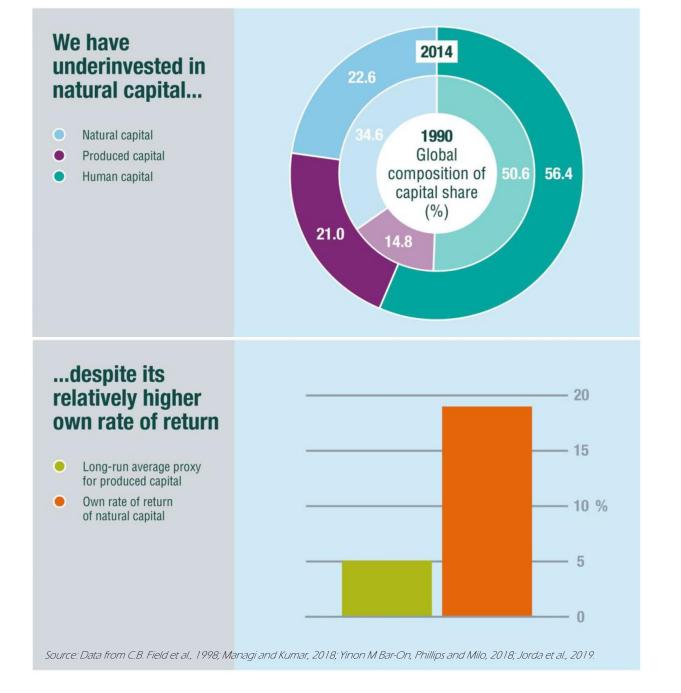
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Source: Our World in Data based on World Bank and Maddison (2017), Maddison Project Database, version 2018. Bolt, Jutta, Robert Inklaar, Herman de Jong and Jan Luiten van Zanden (2018), "Rebasing 'Maddison': new income comparisons and the shape of long-run economic development", Maddison Project Working paper 10.

Source: Steffen, W. et al. (2011) 'The anthropocene: Conceptual and historical perspectives', Philosophical Transactions of the Royal Society A: Mathematical, Physical and Engineering Sciences, 369(1938), pp. 842–867.

#### **ECONOMICS OF BIODIVERSITY: DASGUPTA REVIEW – INDEPENDENT REVIEW**



#### ECONOMICS OF BIODIVERSITY: DASGUPTA REVIEW – INDEPENDENT REVIEW

## Supply: G(S)

- **G** Rate at which the biosphere regenerates
- **S** Stock of the biosphere

## Demand: $\frac{Ny}{\alpha}$

- N Human population
- y Human economic activity per capita
- α Efficiency with which the biosphere's goods and services are converted into GDP and the extent to which the biosphere is transformed by our waste products

# **Unsustainable use of the biosphere**

