

# *Development and the environment, a non-linear relationship?*

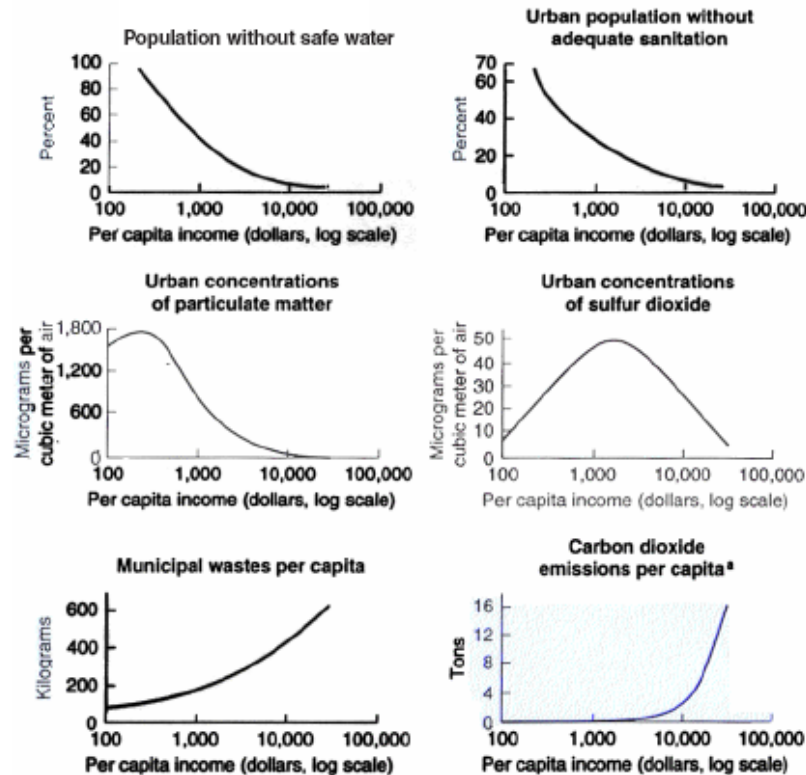
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# Background

- Environment and Development, is there a causal link?
  - Long term view: environment => development e.g. Ashraf & Michalopoulos (2013)
  - Shorter term view: development => environment e.g. Beckerman:

“[...] there is clear evidence that, although economic growth usually leads to environmental deterioration in the early stages of the process, in the end the best - and probably the only - way to attain a decent environment in most countries is to become rich.”

# 1- Several theoretical arguments



Note: Estimates are based on cross-country regression analysis of data from the 1980s.

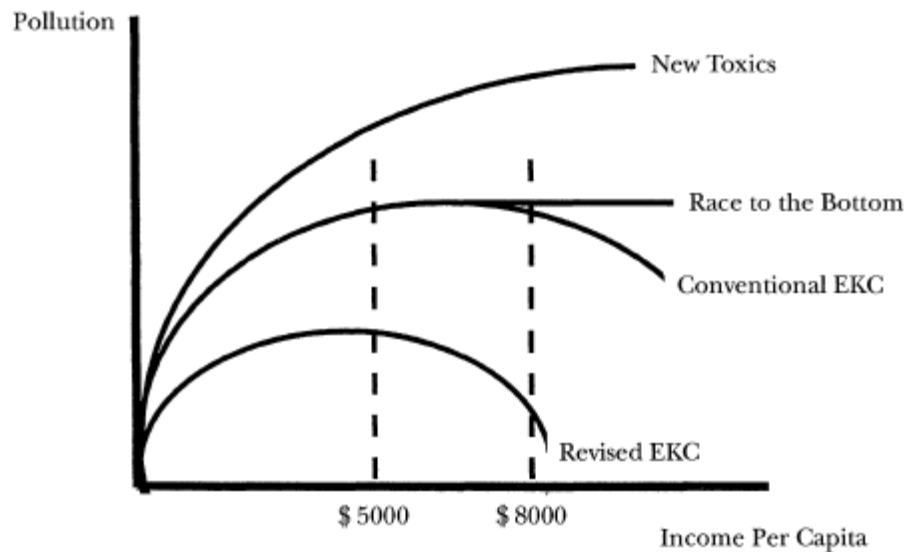
• Emissions are from fossil fuels.

Source: World Bank (1992).

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# 1- Several theoretical arguments

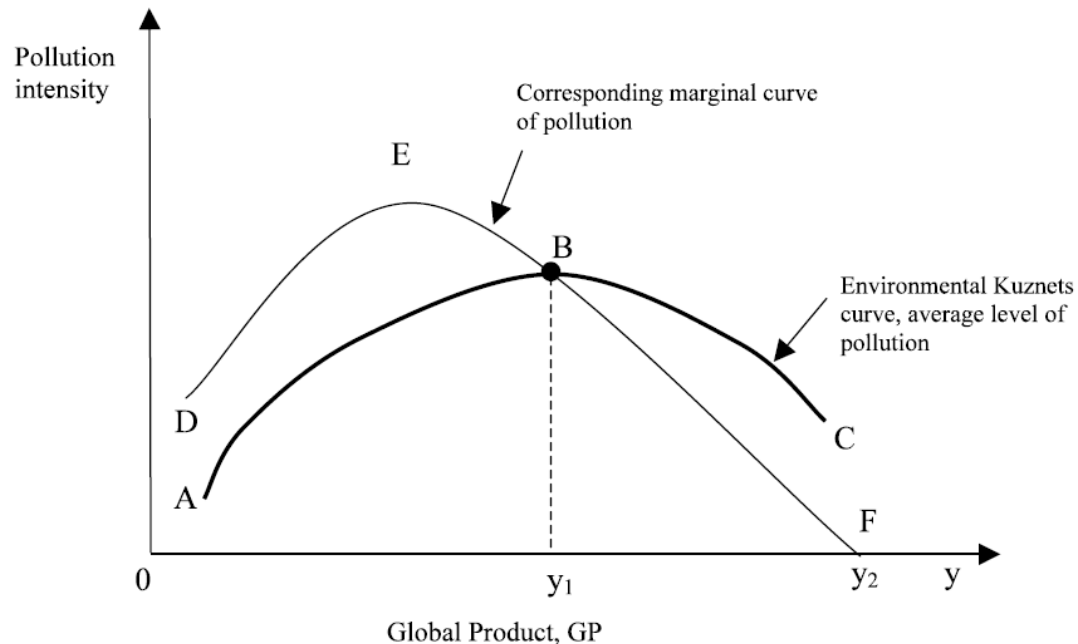
- Pessimism vs Optimism



Source: S. Dasgupta et al. 2002

# 1- Several theoretical arguments

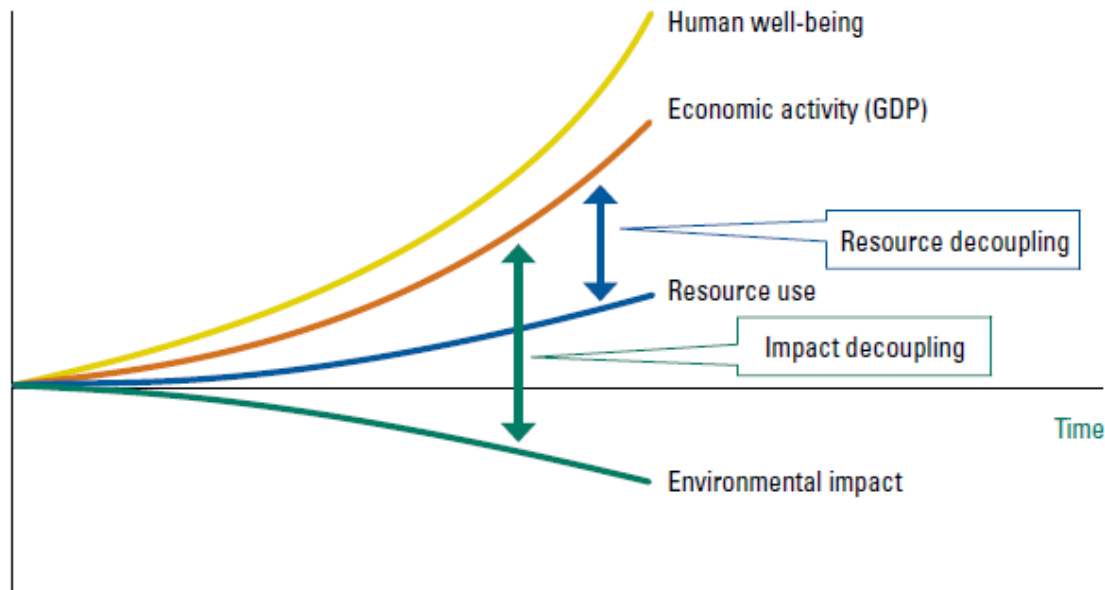
- Theoretical flaws



Source : Tisdell 2001, p.188

# 1- Several theoretical arguments

- Decoupling environmental bads from economic goods



Source : (United Nations Environment Programme 2011, p.5)

# 2 – The environmental Kuznets curve for deforestation

