PSCI 4012 Global Development

Environmental Change and Development

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Today's Plan

- Degreadation of Natural Capital
- Sustainable development in LDCs

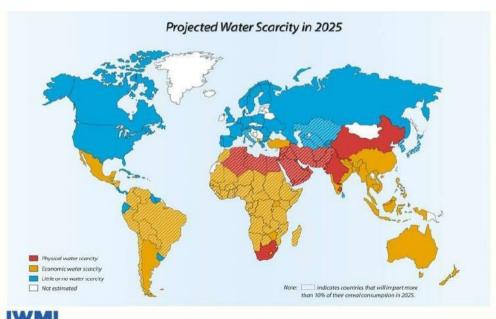
Critiques

Sustainability Game

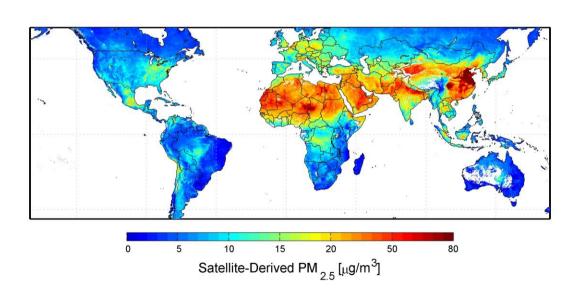
- Inputs of production
 - Physical capital
 - Human capital
 - Financial capital
 - Social capital
 - Natural capital
- Natural capital: "Environmental assets such as freshwater, trees, clean air, productive land, and minerals"

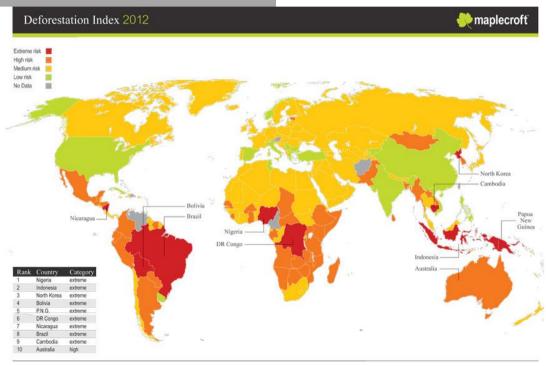
- Tragedy of the commons
- Common pool resources: "all interested parties can benefit fron because no one prevents them from using it"
- Exhaustion of resources because individuals who use it no inventive to use it sustainably

- Degradation of natural capital
 - Freshwater consumption and pollution
 - Air pollution
 - Land degradation



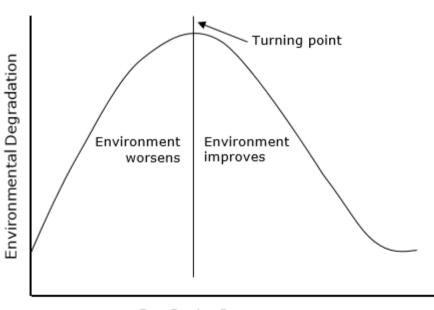






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Sustainable Development in LDCs



Per Capita Income

Sustainable Development in LDCs

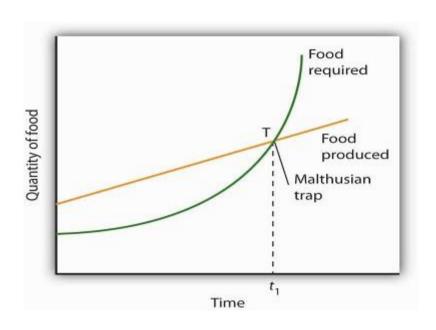
- Why are environmental problems more common in LDCs?
 - Environmental quality is not a priority?

- Weak policy enforcement?

- Globalization?

- High fertility?

Sustainable Development in LDCs



Critiques

Productivity has increased at historically unprecedented rates

- New agriculture technologies will make LDCs far more productive in the future
- Desalinization technologies will solve water scarcity problem

 Geoengineering and increasing urbanization will alleviate negative consequences of global warming

Sustainability Game

- Sustainable development: "Development that satisfies the needs of the present without compromising the ability of future generations to meet their own needs"
- Link to the game: https://bit.ly/2MwaFCn