

# Climate Change: Turning a threat into an opportunity

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# Climate change impacts

- Low mitigation:
  - Possible temperatures above 4 degrees
  - Globally catastrophic impacts
  - All countries adversely impacted
- High mitigation
  - Temperatures below 2 degrees
  - Global economy away from fossil fuels
  - Poor countries/communities adversely impacted

# Opportunities from low Carbon Development

- Green and clean economic growth in developed countries
- Clean development in major developing countries
- Clean energy and transport in all developing countries
- Global development paradigm shift to genuinely sustainable development

# Opportunities for adaptation in developing countries

- National development shift to sustainable development
- Climate proofing development
- Examples:
  - NAPAS in LDCs
  - Climate Change Strategy in Bangladesh

# Re-establishing Focus on poor

- Poorest and most vulnerable countries
  - Least developed countries (LDCs)
  - Small Island Developing States (SIDS)
  - Africa
- Poorest and most vulnerable communities
  - Flood-prone
  - Drought-prone
  - Coastal zones

# Examples

- Community Based Adaptation
  - CBA Conferences (Bangladesh, Tanzania)
- Ecosystem based adaptation
  - Arid land plain water conservation
- Climate proofed development
  - Maldives
  - Bangladesh

# Land Use and Forestry

- Stopping deforestation
- Replanting trees
- Payment for ecosystem services
- Compatible Forestry and agriculture

# Limits to adaptataion

- Adaptation in situ
  - First generation adaptation
- Planned re-location
  - Maldives, Tuvalu
- Loss of ecosystems
  - Coral reefs, mountain ecosystems

# The Challenge ahead

- To reach an ambitious deal in Copenhagen
- To limit growth of greenhouse gas emissions successfully
- To provide poor/vulnerable countries with adaptation funding
- To transform the global economy
- To turn crisis into opportunity