

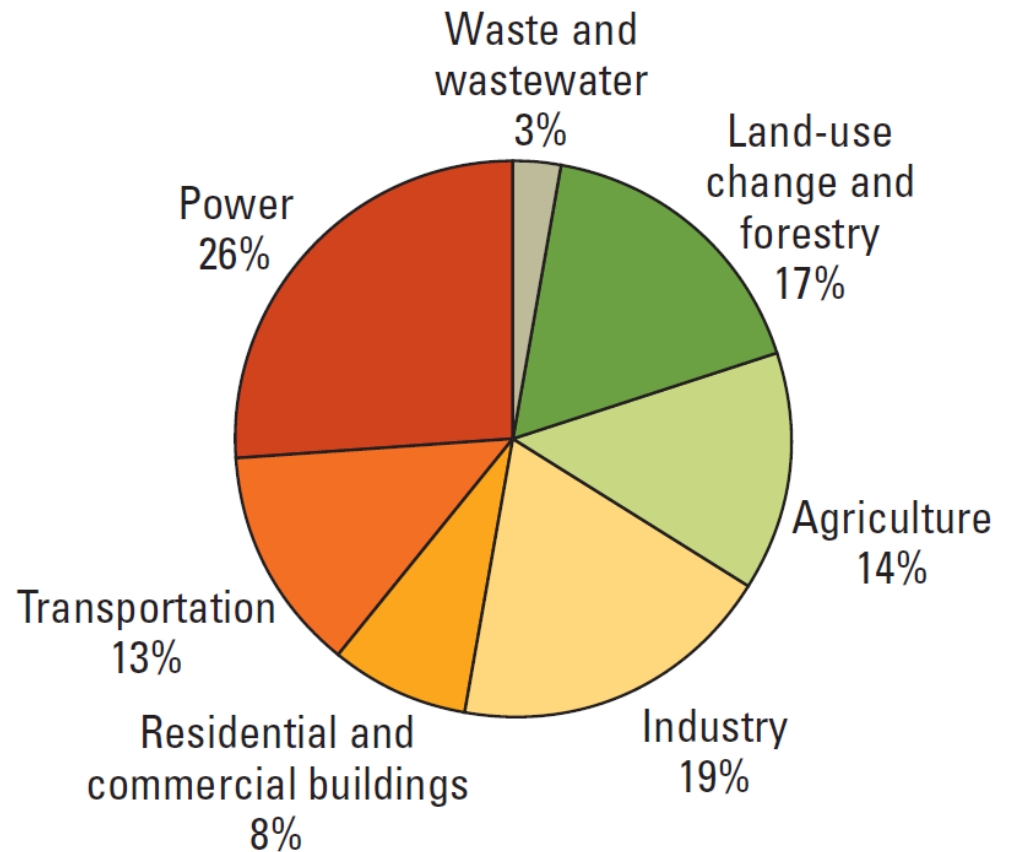
Climate Compatible Development in the Infrastructure Sector

An overview of the opportunities and challenges at the nexus of climate change, infrastructure and development

Infrastructure policymakers and practitioners have a crucial role to play in mitigation...

Global Greenhouse Gas Emissions by Sector – 2004 figures (CO₂ equivalent)

Source: World Bank World Development Report 2010

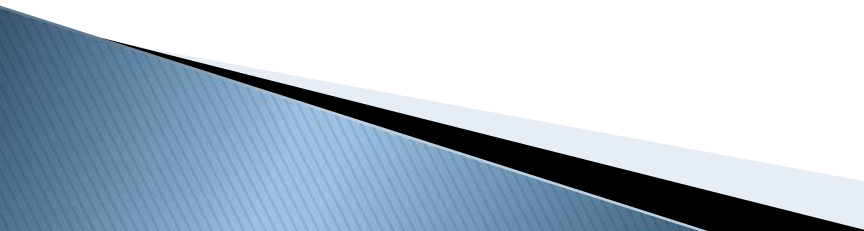


... And adaptation

- ▶ Approximately 75% of adaptation investment in the developing world will be required in the infrastructure sector*
 - Climate-proofing baseline infrastructure
 - Investing in dedicated adaptation infrastructure

*Author's calculation from estimates in 'The Cost to Developing Countries of Adapting to Climate Change', World Bank, 2010.

Three key challenges

- ▶ **Capacity:** in government to develop and implement climate change policy frameworks.
 - ▶ **Finance:** \$100s of billions / year required to meet mitigation and adaptation goals.
 - ▶ **Technology:** disseminating existing and developing new technologies.
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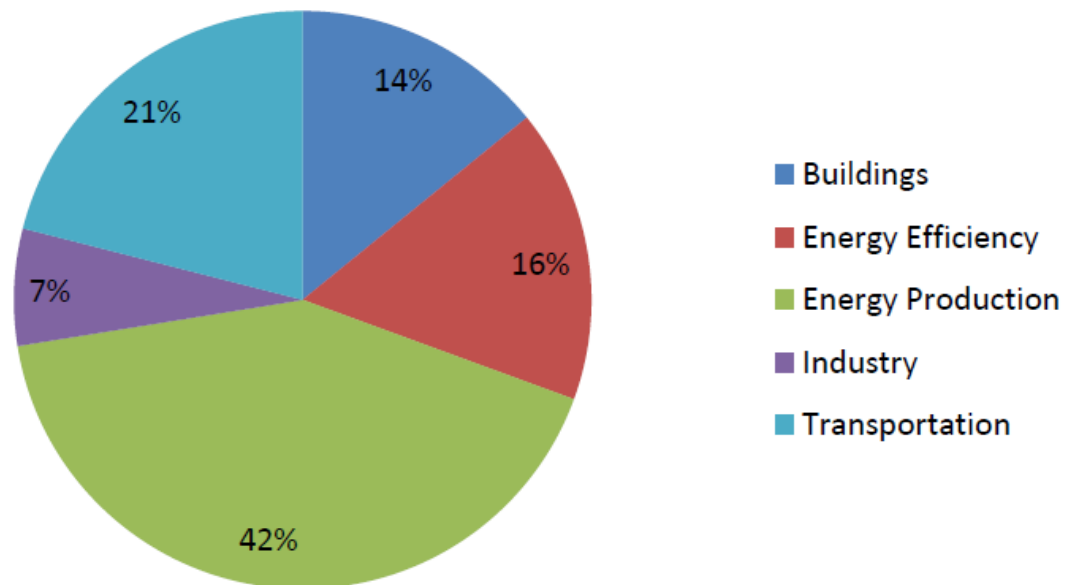
Climate change has also created developmental opportunities in the infrastructure sector

- ▶ Access to new sources of finance
 - ▶ Green jobs
 - ▶ Synergies between climate change activities and developmental priorities
 - ▶ Maximising the developmental outcomes of adaptation investment
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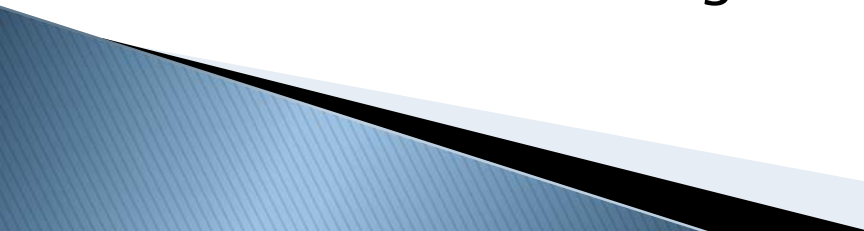
Are donor and carbon market funding flows well targeted?

- ▶ Buildings sector appears underfunded: energy absorbs a high proportion of funds

Climate Funds
mitigation
funding by sector



Summing up

- ▶ Infrastructure policymakers and practitioners play a crucial role in meeting the challenge of climate change.
 - ▶ Three key challenges are capacity, finance and technology.
 - ▶ Opportunities include access to new sources of finance, the potential for green job creation, and profiting from synergies between climate change initiatives and developmental priorities.
 - ▶ Donor and donor–leveraged infrastructure funding may be excessively skewed towards the energy sector at the cost of the buildings sector.
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Recommendations

- ▶ Support partner country governments in developing climate change policy frameworks and building capacity.
 - ▶ Scale-up, coordinate and balance funding flows for climate-related infrastructure investment.
 - ▶ More in the report...
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