

Innovative Approaches Towards Low Carbon Economics

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Anthropogenic CHG emissions change the climate



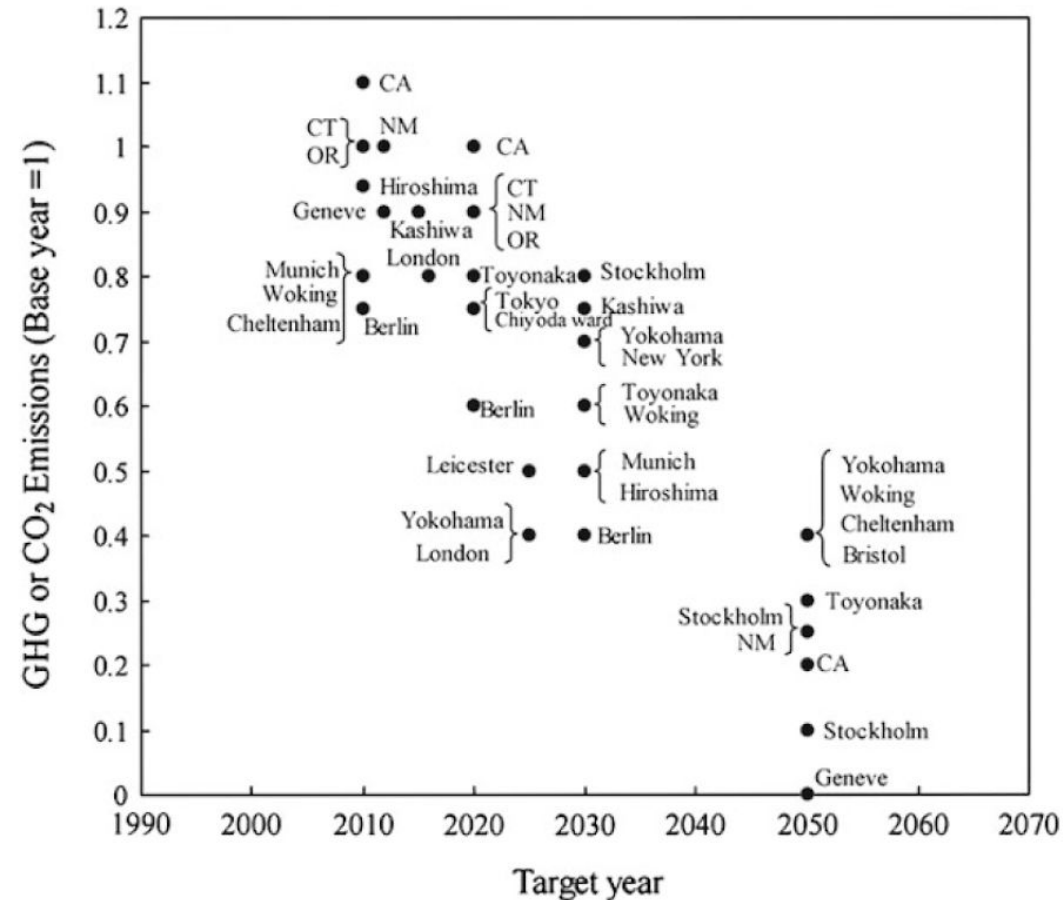
Fig. 1.18 Anthropogenic GHG emissions change the climate (*Source* Department of Energy and Climate Change 2009)

Countries most at risk from climate-related threats

Table 1.7 Countries most at risk from climate-related threats

Draught	Flood	Storm	Coastal (1 m)	Agriculture
Malawi	Bangladesh	Philippines	All low lying island states	Sudan
Ethiopia	China	Bangladesh	Viet Nam	Senegal
Zimbabwe	India	Madagascar	Egypt	Zimbabwe
India	Cambodia	Viet Nam	Tunisia	Mali
Mozambique	Mozambique	Moldova	Indonesia	Zambia
Niger	Laos	Mongolia	Mauritania	Morocco
Mauritania	Pakistan	Haiti	China	Niger
Eritrea	Sri Lanka	Samoa	Mexico	India
Sudan	Thailand	Tonga	Myanmar	Malawi
Chad	Viet Nam	China	Bangladesh	Algeria
Kenya	Benin	Honduras	Senegal	Ethiopia
Iran	Rwanda	Fiji	Libya	Pakistan

Low carbon targets of the local governments around the world

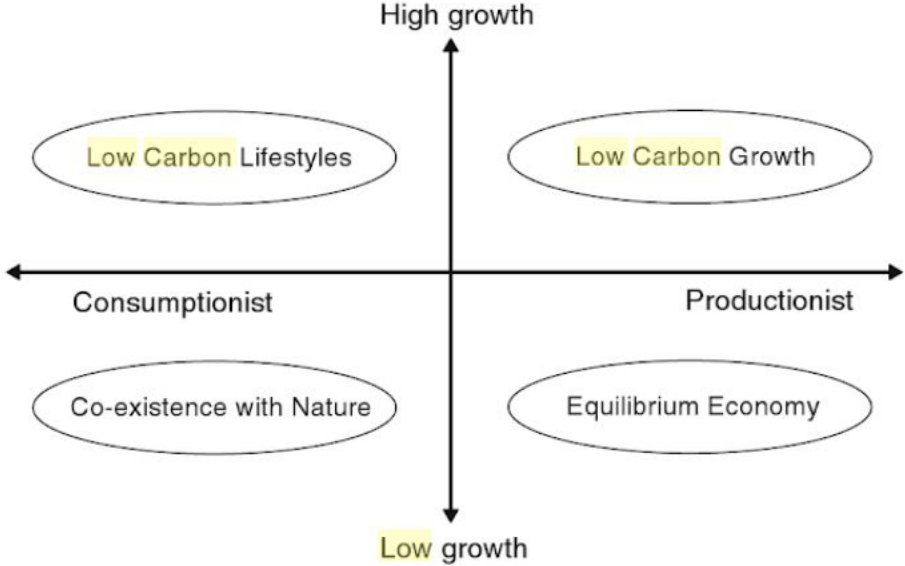


The revolutionary between “low carbon economy” and “high carbon economy”

Table 1.4 The revolutionary between “low carbon economy” and “high carbon economy”

Item	High carbon economy	Low carbon economy
Image call	Brown economy	Green economy
Prominent characteristics	High pollution, high energy consumption and high emissions	Low pollution, low energy consumption and low emission
Basic connotation	Focus on economic growth quantity	Focus on economic growth quality
Growth rate	High-speed growth regardless of cost	Pursue the sustainable growth
Main energy	Fossil energy, carbon-based fuels	Renewable energy, solar energy
Consumption patterns	Enjoyment, convenience, luxury	Health, simplicity, sustainable
Civilization level	Industrial civilization	Ecological civilization

Types of low carbon development



The linkage between global temperature rises and CO₂ emissions growth

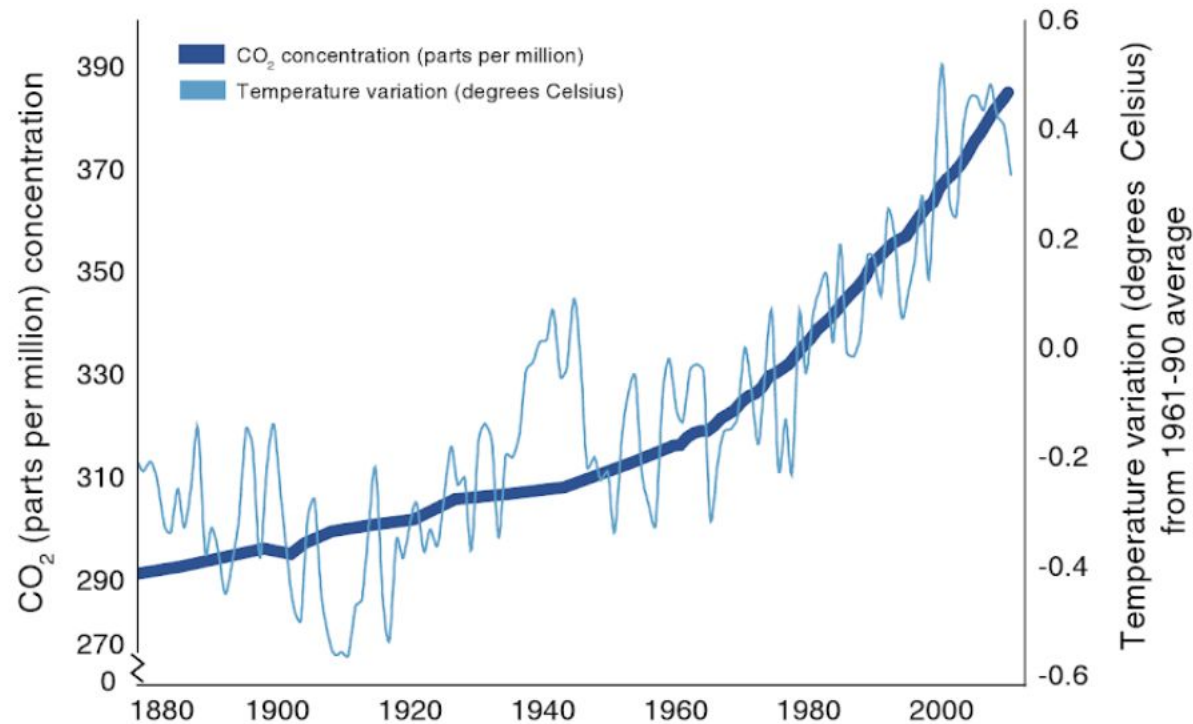
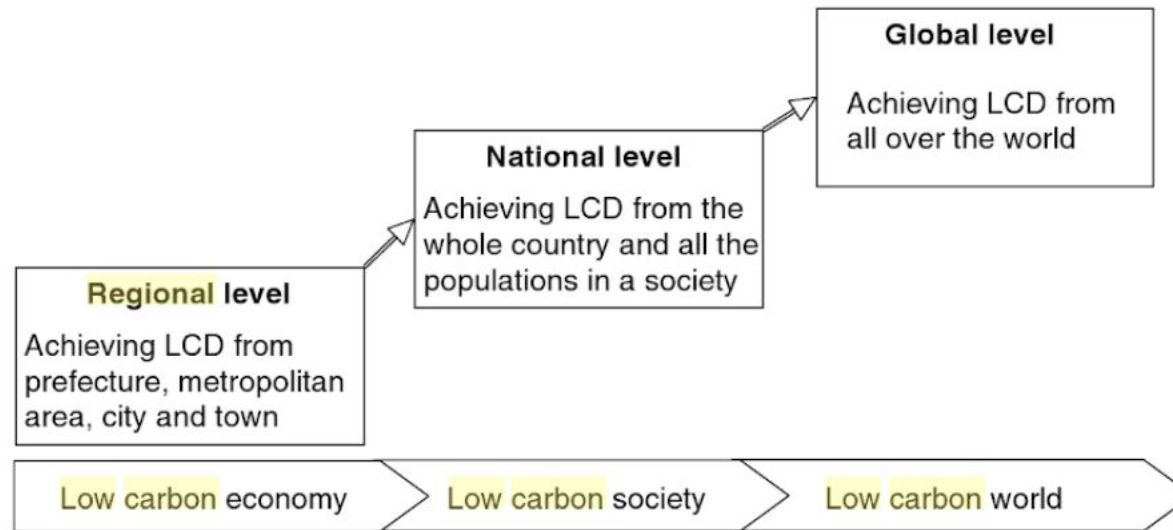


Fig. 1.3 The linkage between global temperature rises and CO₂ emissions growth (*Source* Department of Energy and Climate Change [2009](#))

Key issues of regional low carbon Development



Thank you for your attention !