



# Low carbon development in China: vision, issues, and latest progresses

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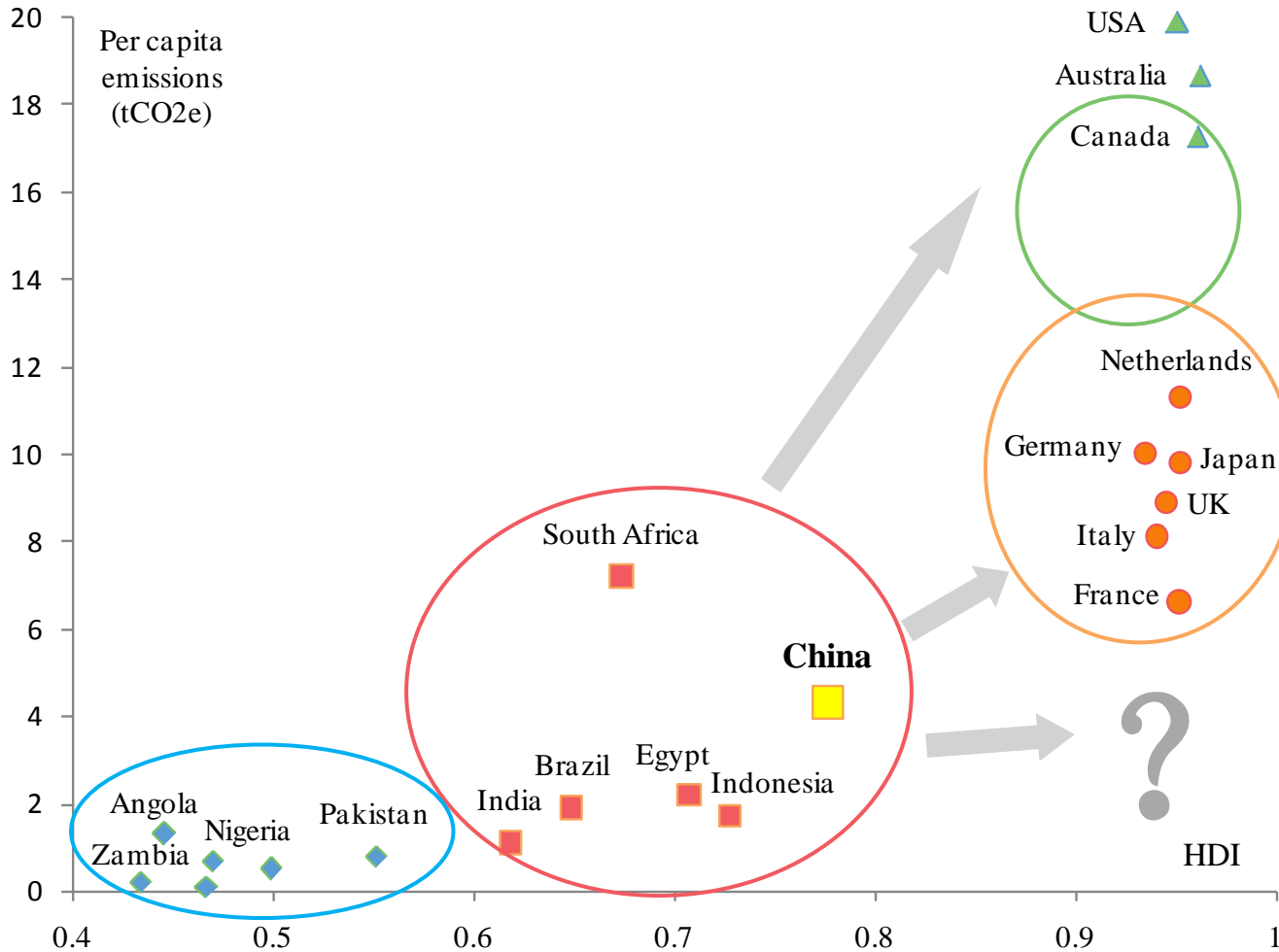






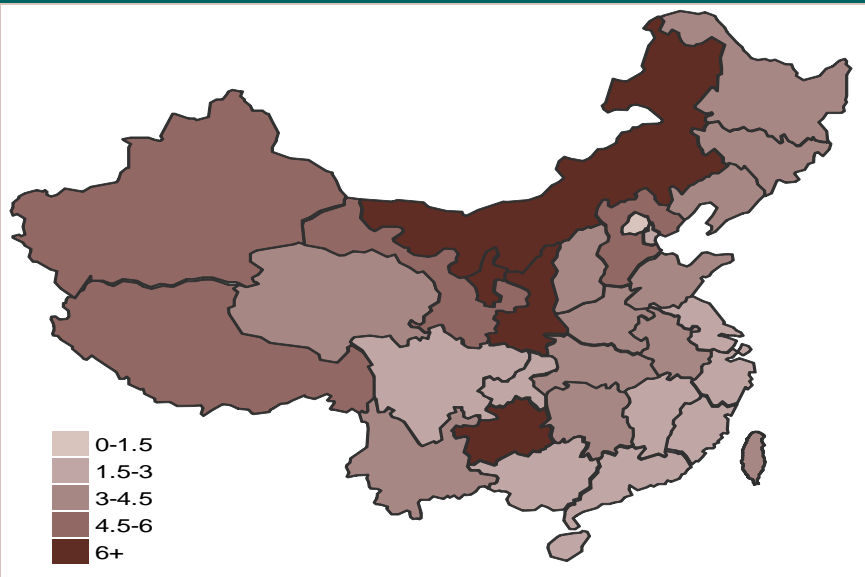
# Low carbon economy and society & human development (HD)

- Develop with lower resources use and carbon emission;
- Low carbon development should make substantial contribution to human development

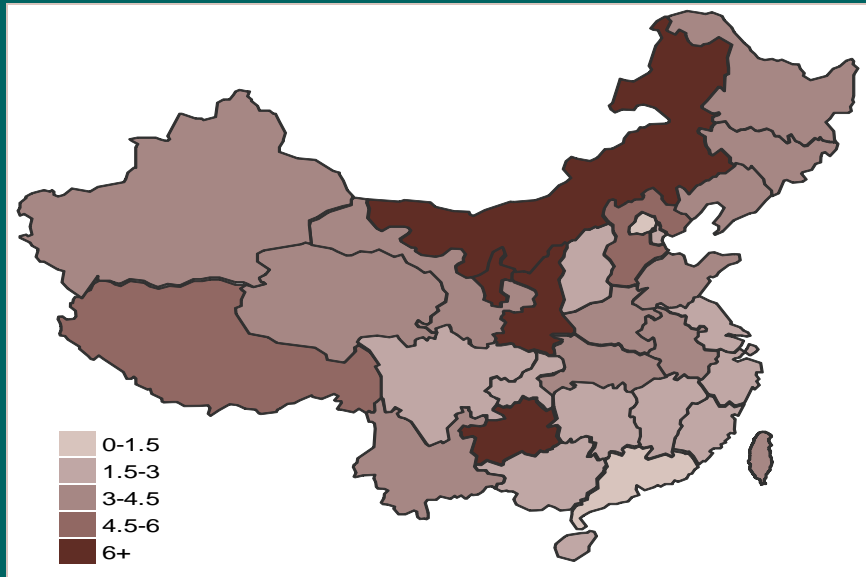


## Choice of Development Pathway: an Int'l Perspective

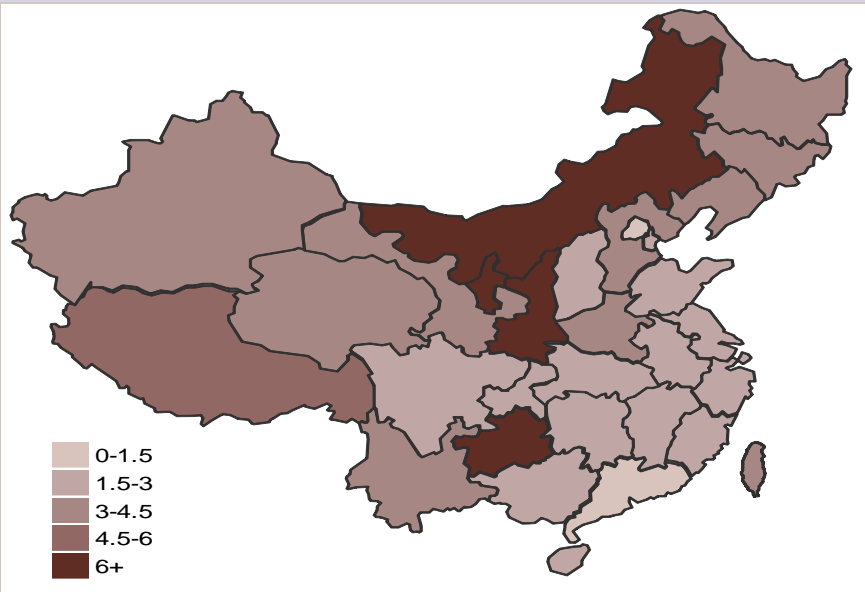
# Local carbon intensity in 2005



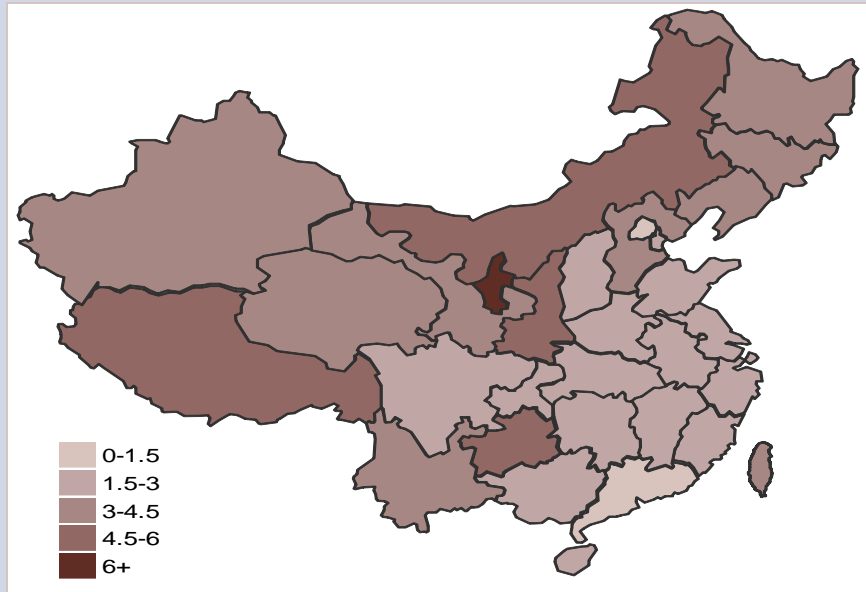
# Local carbon intensity in 2006



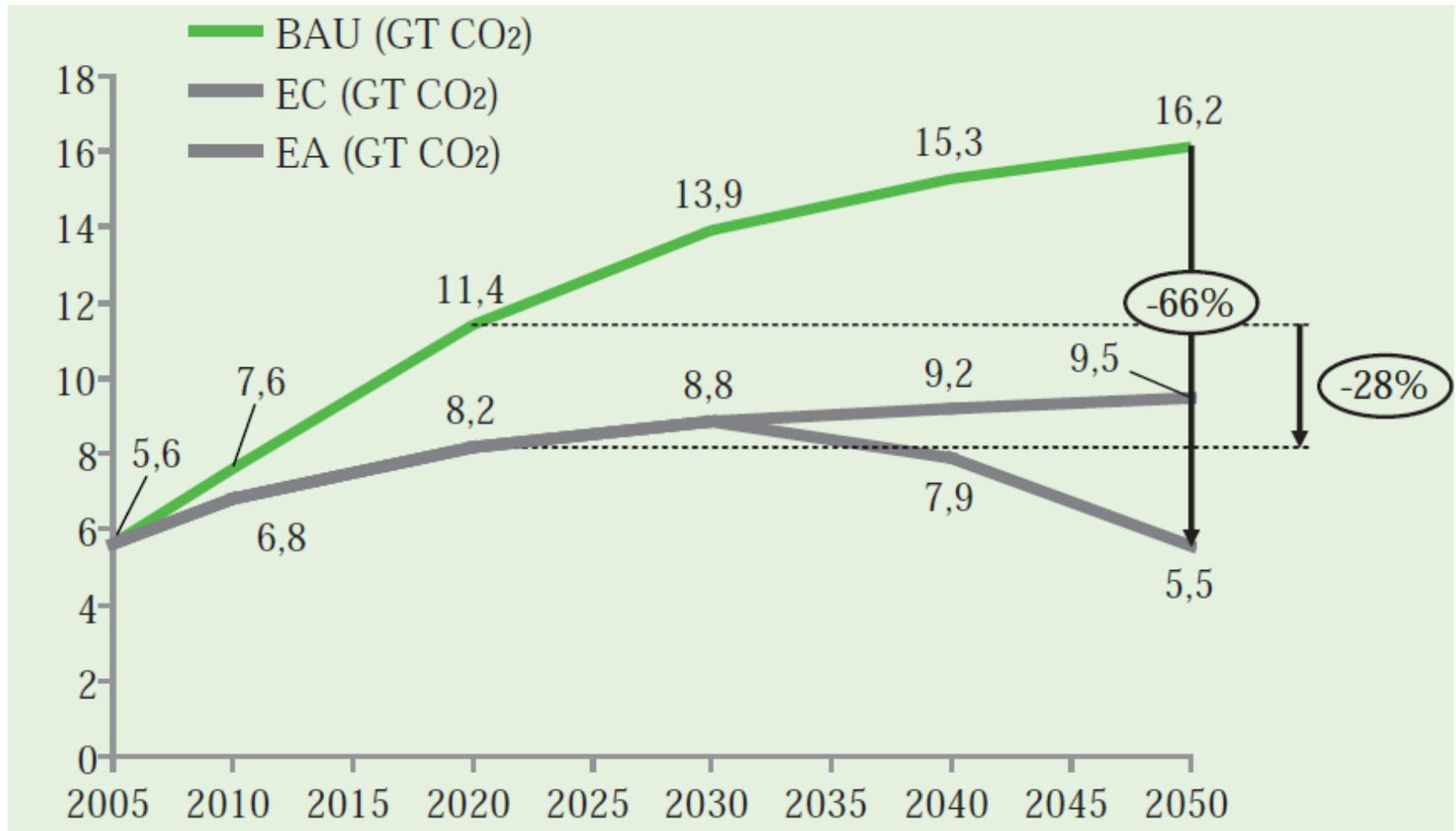
# Local carbon intensity in 2007



# Local carbon intensity in 2008



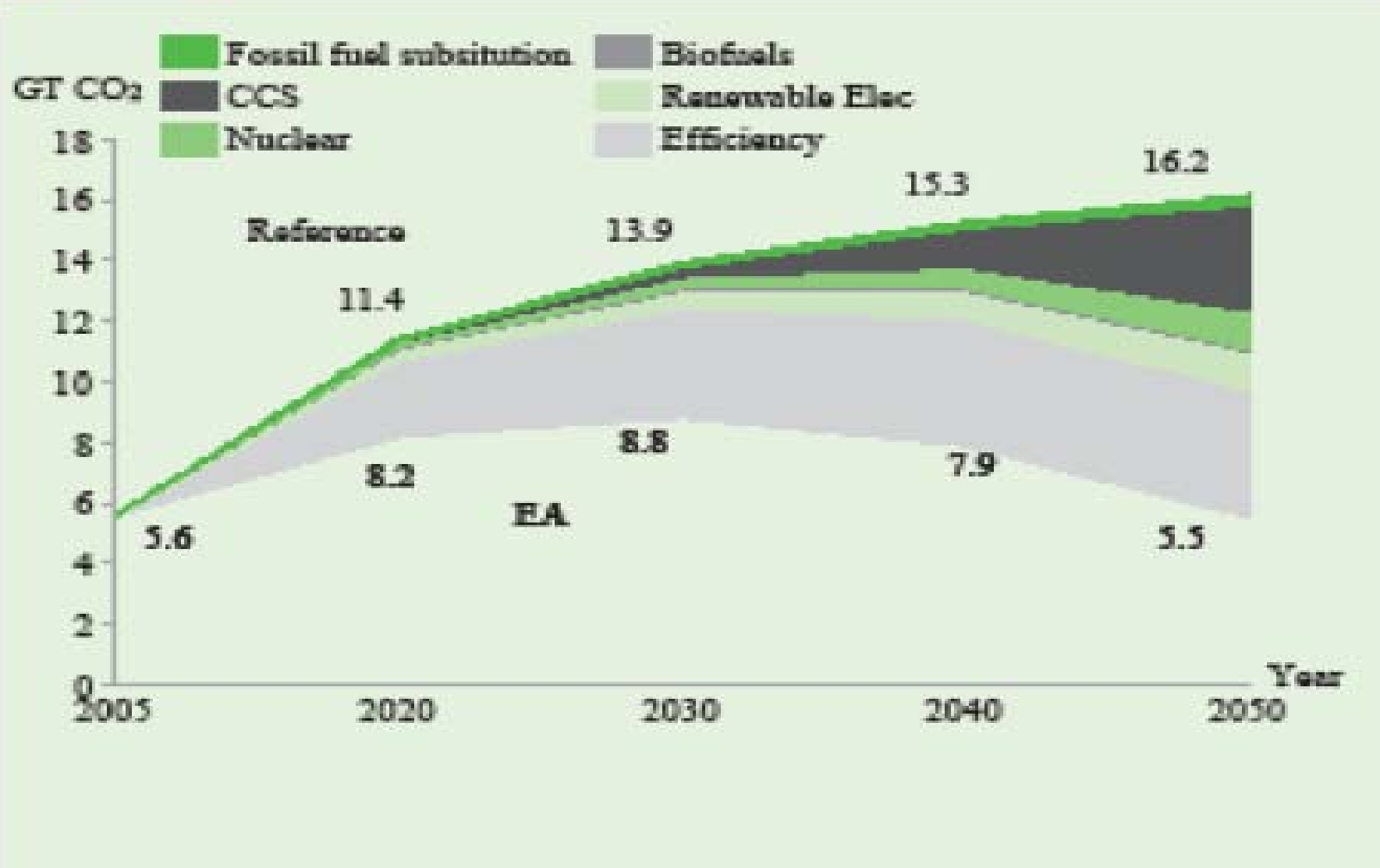
# China's future CO<sub>2</sub> emission scenario



Source: UNDP China, 2010



**Figure 3.4** Sector-wise emission reduction potential







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# Issues



# Some important issues

- Is GDP the only goal of the society and to which degree people benefit from GDP growth?
- How to allocate the national target?
- What behavior the stakeholders should have?
- What policies and technologies should economic sectors adopt?
- How should we plan the increasing cities?



# Latest Progresses in China

- More consensus on shifting to strategies toward low carbon development;
- 12th FYP for intensity targets of energy and carbon;
- National pilot of low carbon provinces and cities;
- Improving efficiency and energy mix;
- Inventing and adopting more clean technologies;
- Creating more green business opportunities;
- Managing forest and planting trees; and
- More



# Challenges

- Carbon intensive stage of development;
- Coal dominant endowment;
- Weaker capacity in technological innovation;
- Institutional barriers:
  - Financial institution and GDP-oriented;
  - efficiency and effectiveness of public finance;
  - Resources and energy pricing; and
  - Less incentive for innovation.
- Others



Thank you for your attention

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