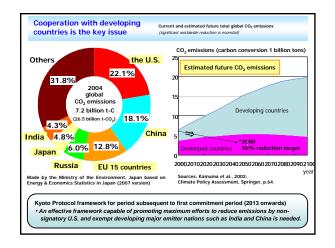


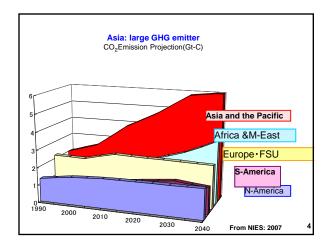
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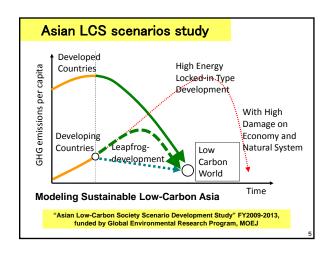
- · Cities: frontrunner of low carbon world
- Asia in transition
- lananese evneriences
- · leapfrog Asia
- · research collaboration: LoCARNet

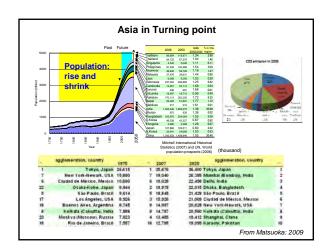
Cities: frontrunners of low carbon world
Findings from International Research Network for Low Carbon Societies

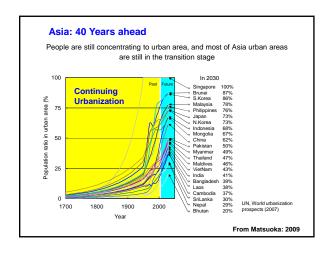
- Cities provide an excellent opportunity to promote a Low Carbon Society: To build a LCS, it is necessary to mobilise all the elements that make up society. Existing systems which are already complicated and locked in into an old "high carbon" regime, need to be transformed to achieve the LSC. Cities contain all the elements need to form a LCS. The administrative system generally falls under the control of a single local authority whose competence is wider than that of national authorities. As such, cities can form a test bed for social experiments in LCS which can be replicated in other cities. (Bologna, 2009)
- Cities will play a major role in shaping the transition to a low carbon societies. Low carbon society impacts citizens, both where and how they live. Cities are crucial actors since they can directly influence the planning of key issues such as traffic, urban land-use, building and waste management. Already, several cities have begun to autonomously act on self determined targets that support a low carbon society. For instance, local governments and municipalities in cities have set med- and long term mitigation target, identified demand side and supply side options, made concrete action plans, and concrete governance mechanisms and institutions to involve relevant stakeholders. The role of cities, including the influence of those constituencies, need to be mainstreamed in national and international level climate policy. (Berlin, 2110)
- The risk of lock-in: Without active climate policies, humanity will be locked-in to carbon intensive development paths; industrialized countries will slow down the turnover of their capital stock while emerging economies will build the bulk of infrastructures in ways that will be hard to re-shift at a later date. (Paris, 2011)

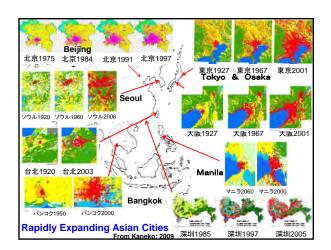


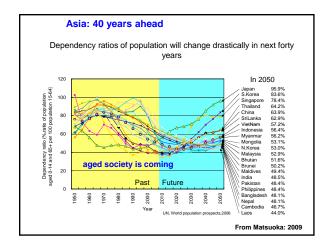


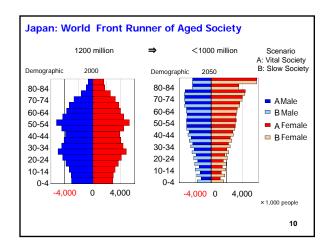




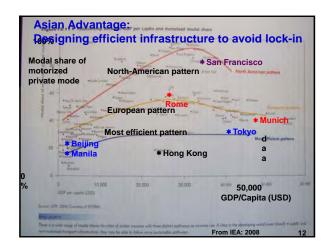


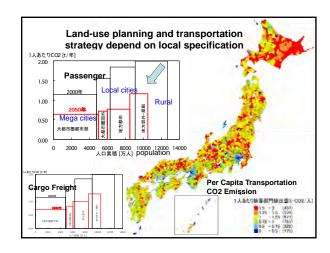


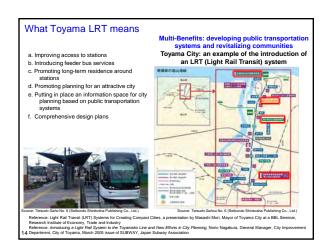


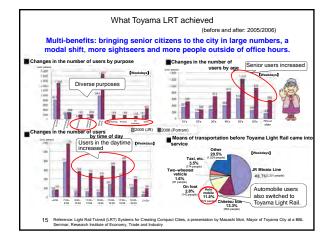


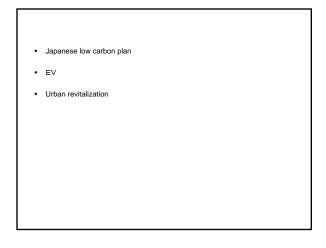
Successes and failures in Japan Public transportation : Tokyo Urbanization and abandoned rural district Revitalization: City of Toyama

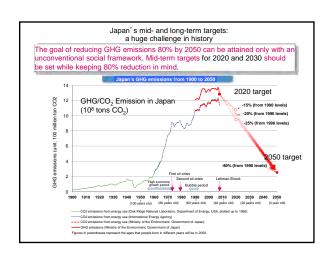


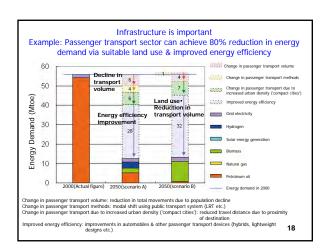




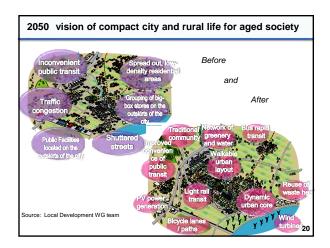


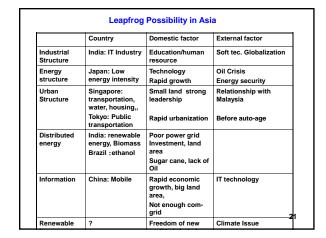










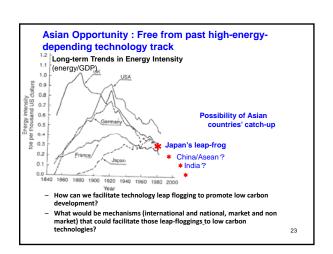


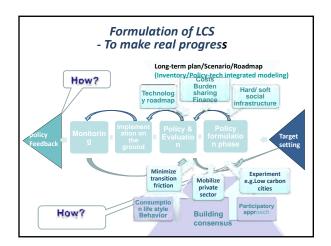
Uniqueness in Asia? - Philosophical or conceptual? -

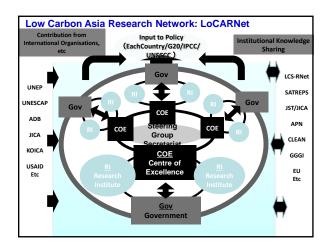
In contrast with other type of proactiveness

Role of philosophy or political system, or tradition?

- Thailand: Sufficiency economy led by the King
- Bhutan: "Land of Gross Happiness to Save our Planet" policy to promote sustainable development alongside with spiritual survival. → former King Jigme Singye Wangchuck, who has opened Bhutan to the age of modernizationDevelop
- Gandhi: → Increase Self sufficiency,
- China: New five year plan increase urban population of 45mill, increase aforested area, not to reduce agricultural land, in a way to decoupling carbon emission and development









Low Carbon Cities: Asian advantage and challenge

- •Free hand to draw low carbon development plan
- •Rapid economic growth and urbanization ⇒ huge opportunity of investment in infrastructure ⇒ risk of lock-in to obsolete system?
- •Enough technologies already exist
- "Leapfrogging" opportunity in technology
- •International co-operation in progress towards Low Carbon World

⇒Needs long-sighted, deliberate decision now

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