

## Summary of LCD studies in Asia

Yuzuru Matsuoka

Graduate School of Engineering, Kyoto University

In this presentation, I summarize our recent activity on LCD studies in Asia region, and also introduce some implementation aspects of promoting low carbon development within a context of national/regional socioeconomic development.

Coupling of macro-economic transition policies with microscopic sectoral mechanism, for example, deployment mechanisms of end-use energy efficient technologies or environmentally conscious lifestyles, and exploring feasible and efficient implementation based on a systematic analysis of the whole social and economic system, is important for achieving low carbon development.

Several tools for assisting these processes have been developed, and how to couple the tools, and how to integrate the outputs of the tools towards low carbon policy actions will be discussed.

We have proposed these models as core tools to design Asian region's national and local Low Carbon Society plans, and have conducted collaborative studies with each

country's domestic research and implementation institutions. In the latter half of my presentation, I will mention to these experiences, and also the future prospects of the approach.



Figure: Up to now, we applied and are applying our LCS Scenario approach to 8 nations and 12 regions in Asia regions