



Research into Environmental-economic policies that Contribute to the World

Research on Environmental, Economic and Social Impacts of Resource Circulation Systems in Asia

Clean Asia Initiative

- Location

Asia

- Project Background

In Asia, resource consumption is surging at a faster speed than the economy is growing. Resource and environmental constraints are expected to be more severe unless a decoupling of economic growth and resource use is realized. Resource constraints mean the growing scarcity of nonrenewable resources such as fossil fuels and mineral resources, while it also means a substantial rise in resource prices due to short-term supply shortage. As for environmental constraints, ecoscarcity becomes obvious due to the shortage of capacity for environmental load through a life cycle, for example, shortage of landfill sites and climate-change issues.

- Objectives

Objectives of this research are to contribute to policies which address resource constraints due to resource consumption, and environmental constraints in Asia. In the research, the economic impact due to resource constraints is to be assessed and analysis tools are to be developed for a case where a resource circulation and resource use restriction policy package is implemented under the resource constraints. Four priority issues are covered in order to address the high-priority policy needs by using these tools:

- 1 Economic impact assessment on resource constraints as the basis in examining effective resource circulation and resource use restriction policies
- 2 Impact assessment on raising resource circulation rate in all Asian countries, as an index of 3R policies
- 3 Comparison of tools such as natural resource tax and waste disposal tax relevant to the “Reduce” component of the 3Rs
- 4 Comparison between domestic recycling and international resource circulation relevant to “Recycle” and “Reuse” of the 3Rs

- **Member Countries**

Policies of all Asian countries are studied.

- **Project Achievements**

More effective policy packages are to be examined based on policies of domestic recycling and international resource circulation intended for resource productivity improvement in the 2008-2011 three-year plan, as well as a policy which aims at quantitative restrictions on resource consumption in Japan and other developed countries.

- **Planned Activities**

Outcomes are to be summarized within FY 2011 and will be presented at various conferences.

- **Project Partners**

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Contact



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