



Climate Change and Equity: Country Mitigation Measures and Equity Perspectives

The Process for Equitable Burden Sharing —Perspectives from Japan

IGES

Visiting Senior Research Fellow

Climate Experts [Advisory Service on Climate Strategy]

Chair, Senior Research Fellow

Naoki MATSUO

E-mail: n_matsuo@climate-experts.info

<http://www.climate-experts.info/>

Concerns from Japan

- (Quantified) Commitments without consideration of past efforts/current performances
 - Kyoto Protocol QERLCs [1st Period, 2nd Period???)
 - Japan' GHG/GDP intensity is one of the best...
 - Absolute value, NOT improvement rate
 - Menu approach might be a solution... (Kyoto negotiations)
 - Domestic emissions trading with caps for firms
 - Industry is against "absolute caps" on firms
 - Partly due to the misunderstanding of emissions 'trading'
 - Likely to start in 2005 or in 2008...
 - Same as for the proposed coal tax for iron/steel industry
 - In addition to the international competitiveness issue

What Japan claims for in future commitment negotiations

- No concrete discussions to date...
 - Japan may claim for following points:
 - Consideration of past efforts/current performance and its high mitigation marginal costs
 - Some standardized commitments
 - Global participation or some related mandate
 - Developing countries
 - The United States
 - Stick and "carrot"
 - Facilitative approach to promote technologies with long-sighted views
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Analysis of Approaches [general]

- Equity on what?
 - (Expected) “results”? or Determining “process”?
 - “Process” might be more important to accept...
- Process-oriented approach [domestic and/or international]
 - Put the “options” on the table as much as possible
 - Categorize the options
 - Supportive legal instruments/articles
 - Categorization of the regulated parties
 - Binding/Non-binding, Penalty/Non-penalty
 - Types of targets
 - Supportive instruments [*e.g.*, policies/measures, ...]
 - Which is appropriate for each party...
 - Consensus building negotiations
 - Solution: “Menu” approach (?) [freedom in selection]

Possible Options as Commitments

Target Options

- Kyoto targets + alpha (differentiated?)
 - Negotiation intensive... No standardization
- Intensity (absolute value)
 - GDP, Population, ... [*e.g.*, x t-CO₂eq/US\$_{PPP 2000}]
- Intensity (improvement rate)
 - GDP, Population, ... [*e.g.*, $-y$ %/yr]
- Elasticity [*e.g.*, 1/2 of GDP growth rate]
- Other factors... [*e.g.*, temperature, size, past efforts, ...]

Other Approaches

- Partial Commitments [specifying sector, gas, measures, ...]
 - Matrix of technologies [installed/uninstalled]
 - For policy-makers to know the weak points and promote yard-stick type competition
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