Key Issues in the Design of Stabilization Scenarios

John P. Weyant

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Issues in Designing Stabilization Scenarios

- Whether of Not to Use Stabilization Targets?
 - Could Just Project Implications of Baselines & Baselines X Policies
 - Possible Ranges of Various Metrics Could Then Be Highlighted
- What to Stabilize (or Report) and When?
 - Concentrations
 - Radiative Forcing
 - Temperature or Other Climate Changes
 - Climate Change Impacts
 - Rates of Change of Any of the Above
- What Range of Stabilization Targets to Consider?
- What Baseline Assumptions to Use?
- What Transition Pathways to Consider (Implementation Uncertainty)?
- What Policy Options to Include (Implementation Feasibility)?
 - Carbon Taxes
 - R&D, Technology Diffusion and Transfer
 - Non-CO₂ Gases, Sinks, Etc.

Issues in Designing Stabilization Scenarios

- How to Provide Hedging Relevant Information Via Scenarios?
 - For "No Surprise, "Surprise" or "Not Implausible" Scenarios
 - Adaptation and Implementation as Risk Mgt. Tools
- What to Assume About International Trade?
- What Burden Sharing Assumptions to Make?
- What to Assume About Other "Climatically Important Substances?"
- What Feedbacks to Consider?
 - Land-Use
 - Carbon Cycle
- How to Provide Useful Input to Impacts Community?
 - Down-Scaling of GCM Information
 - Down-Scaling of Socio Economic Information
 - Input to And Input From Adaptation Community
- What Outputs to Look At?
 - Shorter Run "Metrics"
 - Meaningful "Longer Run" Metrics
 - Implementability Metrics