





EMF 22: Subgroup Transitional Climate Policy

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Transitional Climate Policies

Scenario Clusters

- Cap&Trade Policies (EU ETS-type approaches)
- Carbon Tax Policies (e.g. Stiglitz-Proposal)
- Technology Scenarios (e.g. AP6-type agreements)
- Domestic Policy Priorities
- Other transitional climate regimes (e.g. L20, ...)





EMF 22 – Transition: State of the Play

Overview on current participation:

	Cap&Trade	Carbon Tax	Technology	Dom. Pol. Priorities	Add. Regimes (Global)
GRACE	Yes	Yes		(Yes)	
PACE	Yes	Yes			Yes (L20)
GTEM	Yes	Yes	Yes	Selective	
AMIGA/MARS		Yes	Yes	Yes	
WIAGEM	Yes	No	No	Yes (R&D)	Yes (e.g. EU-ETS)
GRAPE	Yes	Yes	Yes	on hold	on hold
SGM	Yes	Yes			
GEMINI-E3	Yes	Yes	Yes	Yes	Yes
POLES					
MARKAL			Tba		
MERGE	Yes				





EMF 22 – Transition: Synthesis (I)

Options:

- Option 1: Comparison of selected scenarios across models
 - Pro: robust insights (EMF tradition)
 - Con: limitations in coverage and policy appeal
- Option 2: "Scenarios à la carte"
 - Pro: broader participation and potential higher policy impact
 - Con: more narrow base for policy conclusions
- Option X:





EMF 22 – Transition: Synthesis (II)

Efficiency versus feasibility of transitional policy (TP)

- At least "in-model" comparison with model-specific "efficient" policy
 - Compute emission reduction of TP scenario
 - Compare with "most efficient" policy in model framework (BMK)
 - Example 1: TP with single-country bottom-up model (e.g. technology standards for the automobile sector in the USA)
 - → BMK: Uniform carbon tax achieving the same level of reduction
 - Example 2: TP with global coverage

BMK Alternative1: Model-internal efficient path
BMK Alternative2: "Some" external efficient path



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EMF 22 – Transition: Next Steps

- Depending on choice of option
- For example Option 2 ("Scenarios à la carte")
 - finalize list of participants (until end of 2006)
 - submit simulations and background paper in the run-up to the next meeting (date xx.yy.zz)
 - compile and synthesize (date xx.yy.zz)
- Dissemination:
 - peer-reviewed journals
 - conference (policy maker focus)
 - ...





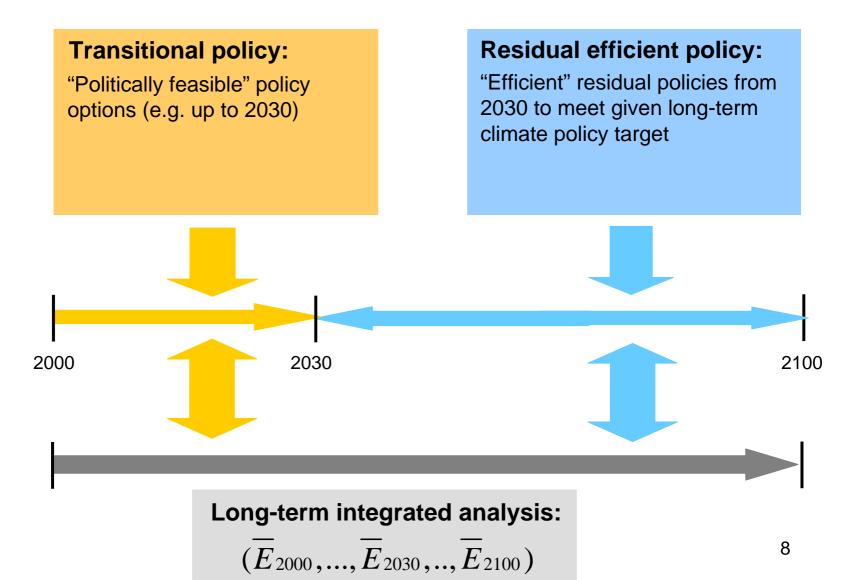


Backup





Approach: Transitional Climate Policy





Transition to Long-Term Climate Policy

Dimensions

- Time horizon: "window" of long-term horizon
- Regional coverage: global versus subglobal
- Key sectors: agriculture, primary energy sectors, electricity, transport, etc.
- Policies: market-based (e.g. cap and trade regimes sectoral/regional), command & control (e.g. technologyspecific policies)
- Instruments to represent policies (taxes/subsidies, permits, standards)