

Main Arguments

Conventional Thinking

- MPME is an integrated approach.
- MPME is closely linked to a legally binding treaty (LRTAP).
- Therefore, MPME may not be feasible in East Asia

Main Results

- MPME consists of several components.
- MPME is a system of scientific analysis, not a treaty
- MPME assists decision making about targets (sci./policy link)
- MPME improves effectiveness, lowers costs
- Can set targets without MPME, but will be less effective
- Components can be separated and implemented in steps
- China, Japan, Korea, already moving towards MPME steps (can be used domestically, not just for international treaties)
- Less developed countries can also begin steps

International cooperation can be helpful without a treaty

- Focus can be on information sharing & capacity building
- Can use MPME in E. Asia as a scientific system w/o a treaty
- Scientific epistemic community can promote MPME

MPME is a science policy interface



China: Regional Air Pollution Management

- 12th Five Year Plan On The Prevention And Control Of Air Pollution In Key Regions
- Further elaborated by the Air Pollution Action Plan of Sept. 2013
- China's domestic pollution is transboundary;
- Provinces & local governments can't address internal pollution
- Designates key regions and city clusters
- Sets up coordination mechanisms
- Regional management is a key policy
 - · Stronger targets & implementation measures
 - (e.g. stronger EIA, tech. requirements, industrial adjustment, key projects, etc.)

Analysis

- Good policies on paper / difficult to implement
- Sets up a coordination structure
- · (But coordination may be difficult)
- Originates from Beijing Olympics w/modeling
- Modeling/MPME analysis could be incorporated
- Could become domestic LRTAP
- Beijing Olympics: Was a mini (temporary) domestic LRTAP

Importance of National Models (not just unified regional model)

Northeast Asian Countries Already

Moving in MPME Direction (Domestically)

China GAINS (not endorsed by the government)

Promoting NEA LRTAP-type framework in NEASPEC

> Government is supporting related research

> Korean GAINS under development

Developing systems similar to GAINS

Related research underway

Related research underway

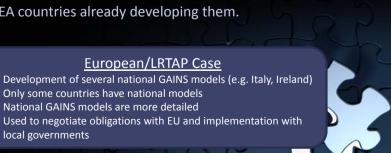
➤ Member of LRTAP

Direction

➤ Regional management system in 12th FYP => Future domestic LRTAP?

> Beijing Olympics control system: Mini-temporary domestic LRTAP

- Countries can address domestic transboundary movement
- * Countries can estimate international transboundary movement
- Analysis of cost effectiveness can be used domestically
- > NEA countries already developing them.
- Development of several national GAINS models (e.g. Italy, Ireland)
- National GAINS models are more detailed
- local governments



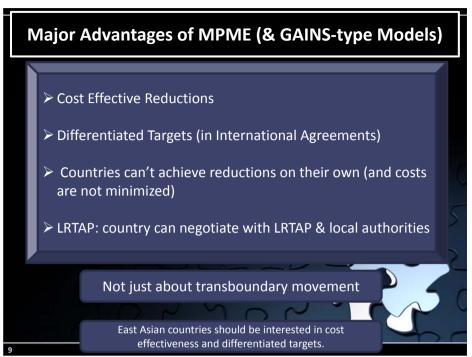
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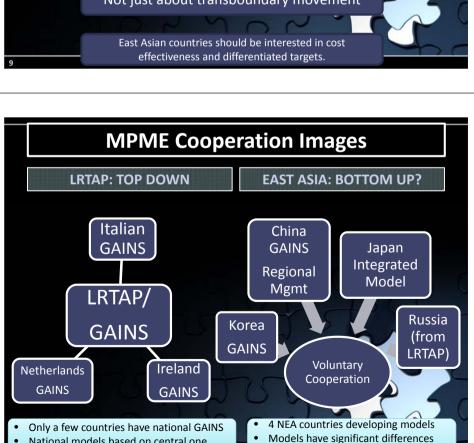
China

Korea

Japan

Russia





Maybe benefits from cooperation

National models based on central one

