

# **APEIS Training Workshop 2004**

**Orientation for this workshop**

**AIM Japan Team**

**National Institute for Environmental Studies**

**&**

**Kyoto University**

**NIES, Tsukuba, Japan**

**25 November, 2004**

# Tentative schedule

Month	Day		Contents	Speakers
Nov.	24	Wed	Arrive in Japan	
	25	Thu	CGE workshop (1) AM: Orientation of this workshop Overall of AIM model PM: Preparation for CGE model –dataset	T. Masui M. Kainuma T. Masui
	26	Fri	CGE workshop (2) AM: CGE modeling –static model PM: CGE modeling –dynamic model	T. Masui T. Masui
	27	Sat	Discussion with Prof. Shukla	
	28	Sun		
	29	Mon		
	30	Tue		
Dec.	1	Wed	CGE Workshop (3) PM: Presentations	Participants
	2	Thu	SDB (Strategic DataBase) workshop AM & PM: Database for policy simulations	G. Hibino
	3	Fri		
	4	Sat		
	5	Sun		
	6	Mon		
	7	Tue		
	8	Wed	CGE workshop (4) AM: Expansion of CGE to health, water, waste	Y. Hijioka Y. Wan T. Masui
	9	Thu	Leave Japan	



# Main objects of this workshop

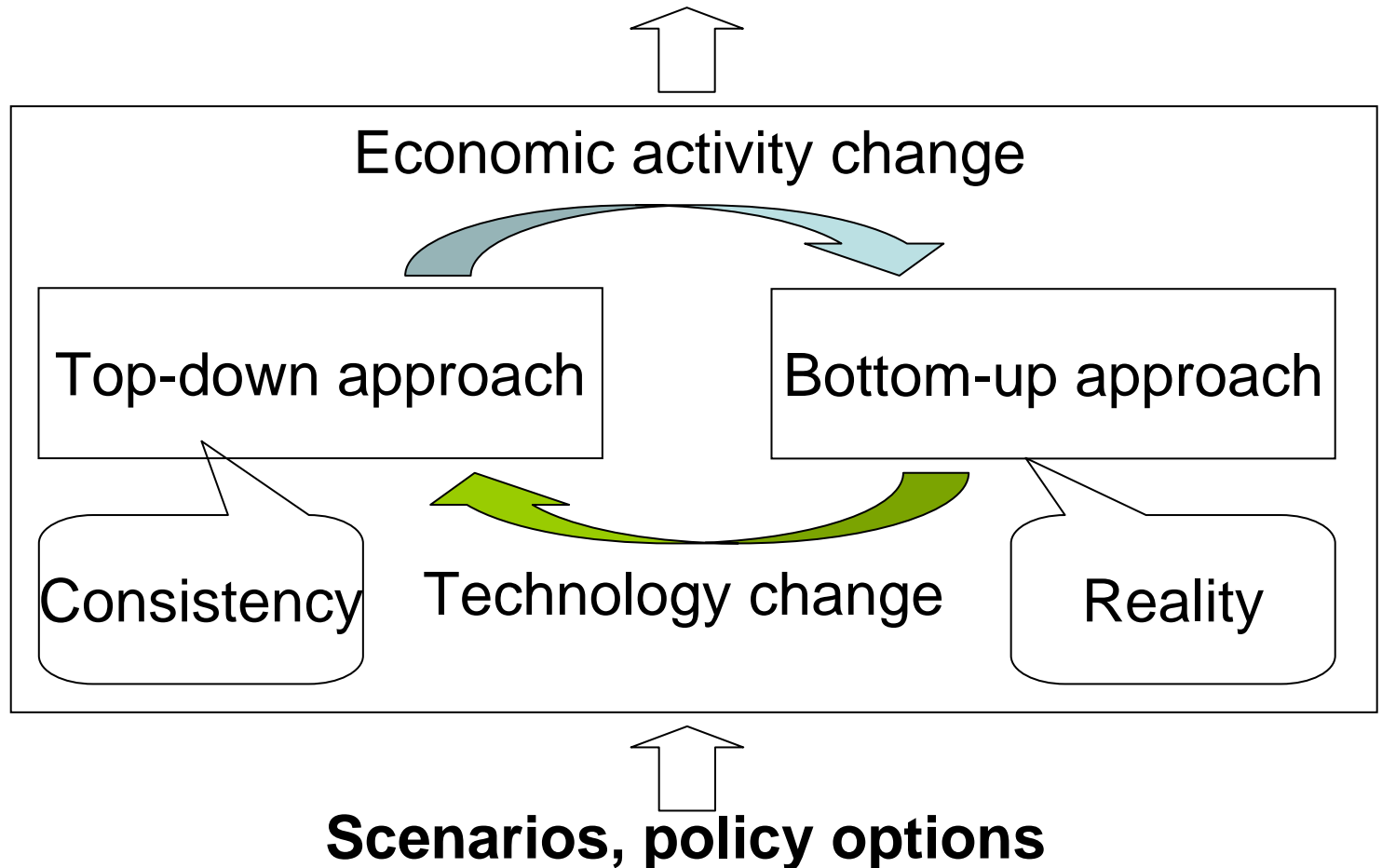
- Understanding
  - AIM activity,
  - general CGE (computable general equilibrium model),
  - AIM/CGE,
  - AIM/SDB,
  - How to bridge between top-down and bottom-up.
- Training how to operate CGE by using AIM/CGE.
- Developing AIM/CGE for your country.

# Top-down and Bottom-up

- CGE is top-down approach
  - Reproducing consistent solutions on economic activity.
  - Technology change is assumption.
- Bottom-up approach such as enduse model
  - Reproducing real solutions on technology.
  - Economic activity is assumption.
- These two models should be complement each other.

# For practical assessment

## Simulation of policy options



# Top-down and Bottom-up

- CGE is treated as top-down approach.
- SDB (Strategic DataBase) is taken as bottom-up approach.
  - Data book for policy options
  - Energy, water, waste, ...
  - Cost-effectiveness can be assessed in AIM/CGE or other models.
  - Not only ordinary technologies but also future technologies can be introduced.



# Schedule of staffs in NIES

Month	Day		Kainuma	Hijioka	Fjino	Hanaoka	Masui
Nov.	24	Wed		×		×	
	25	Thu		×		×	
	26	Fri	×	×		×	
	27	Sat		×		×	
	28	Sun		×		×	
	29	Mon		×			
	30	Tue	×	×			×
Dec.	1	Wed		×			
	2	Thu					
	3	Fri					
	4	Sat					
	5	Sun					×
	6	Mon					×
	7	Tue					×
	8	Wed					
	9	Thu					
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