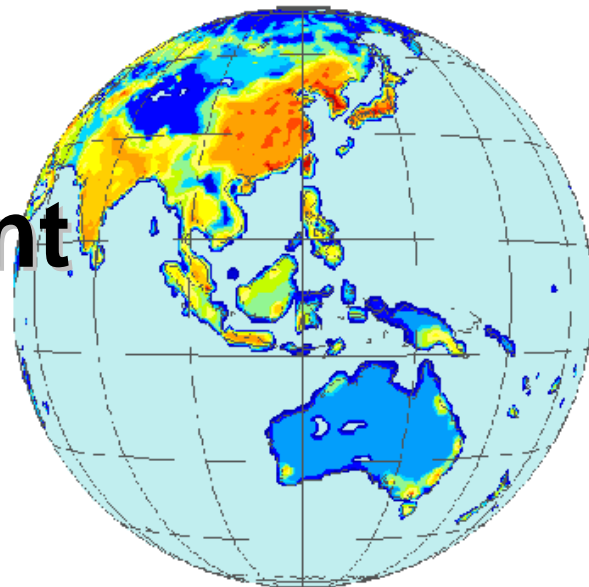


# **Material Cycle Assessment Based on AIM Tools**



**Toshihiko MASUI**

**National Institute for Environmental Studies**

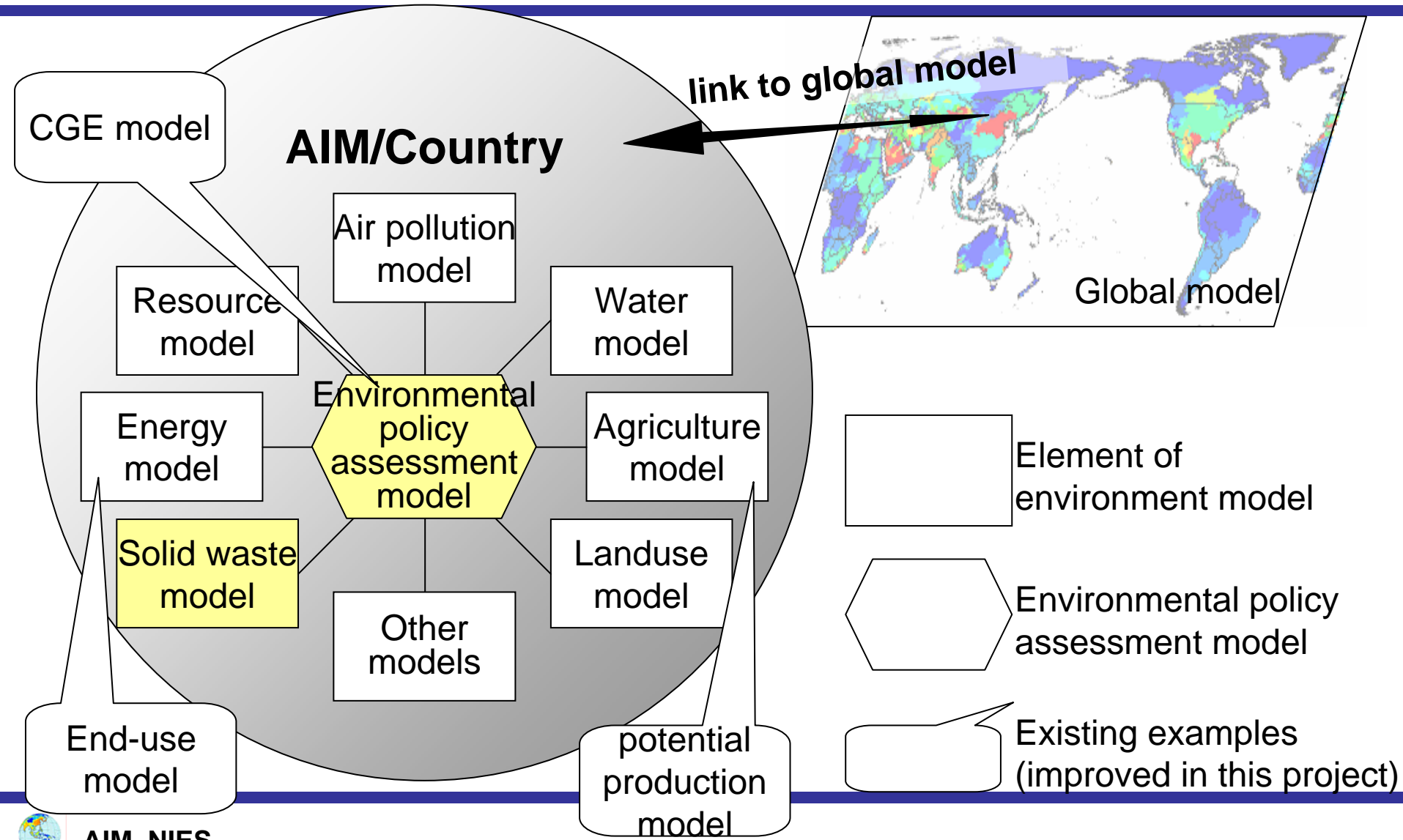
**The 11th AIM International Workshop**

**Ohyama Memorial Hall, NIES**

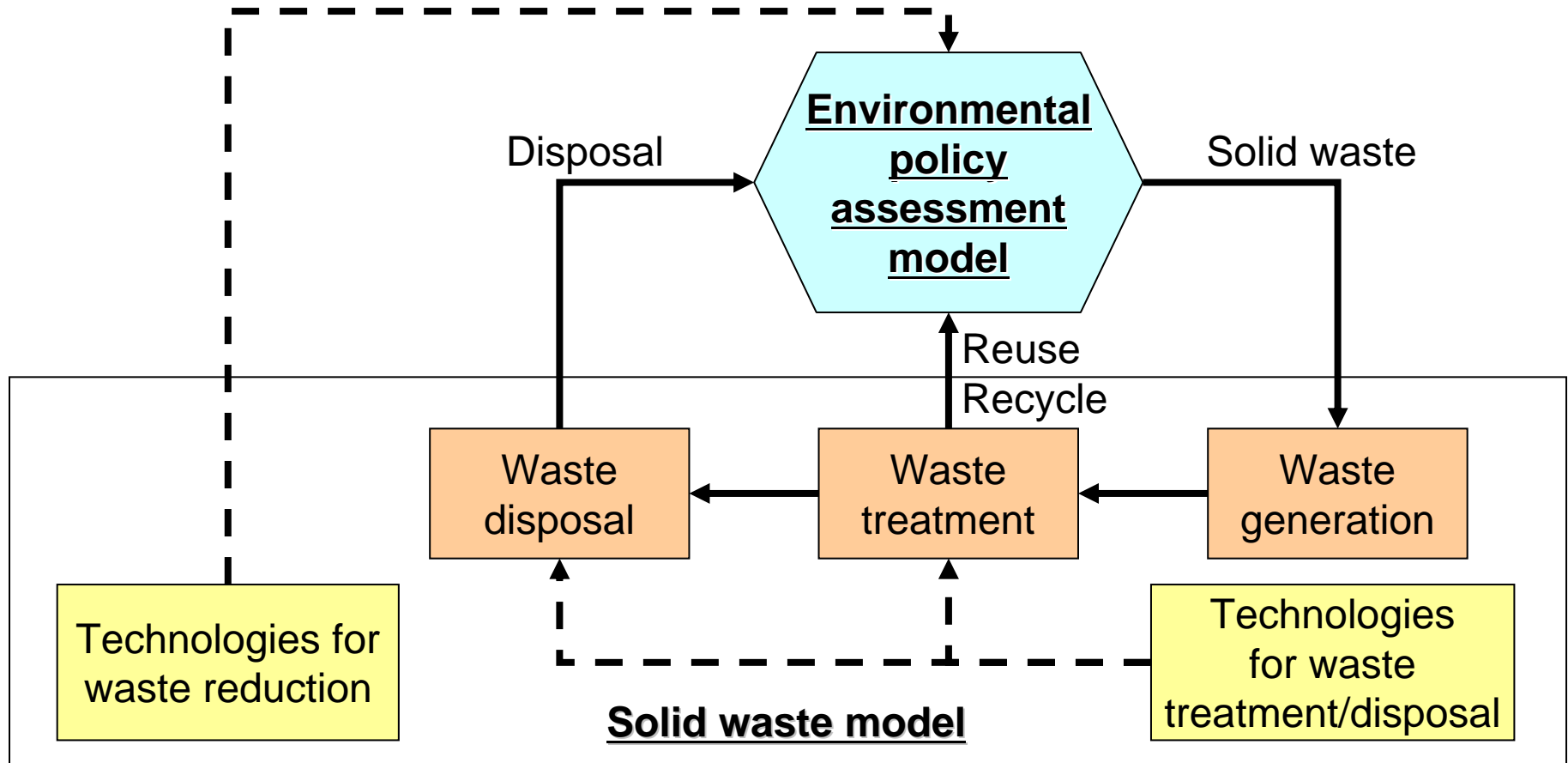
**February 20th, 2006**

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# Development of country model



# Model structure for assessing material cycle



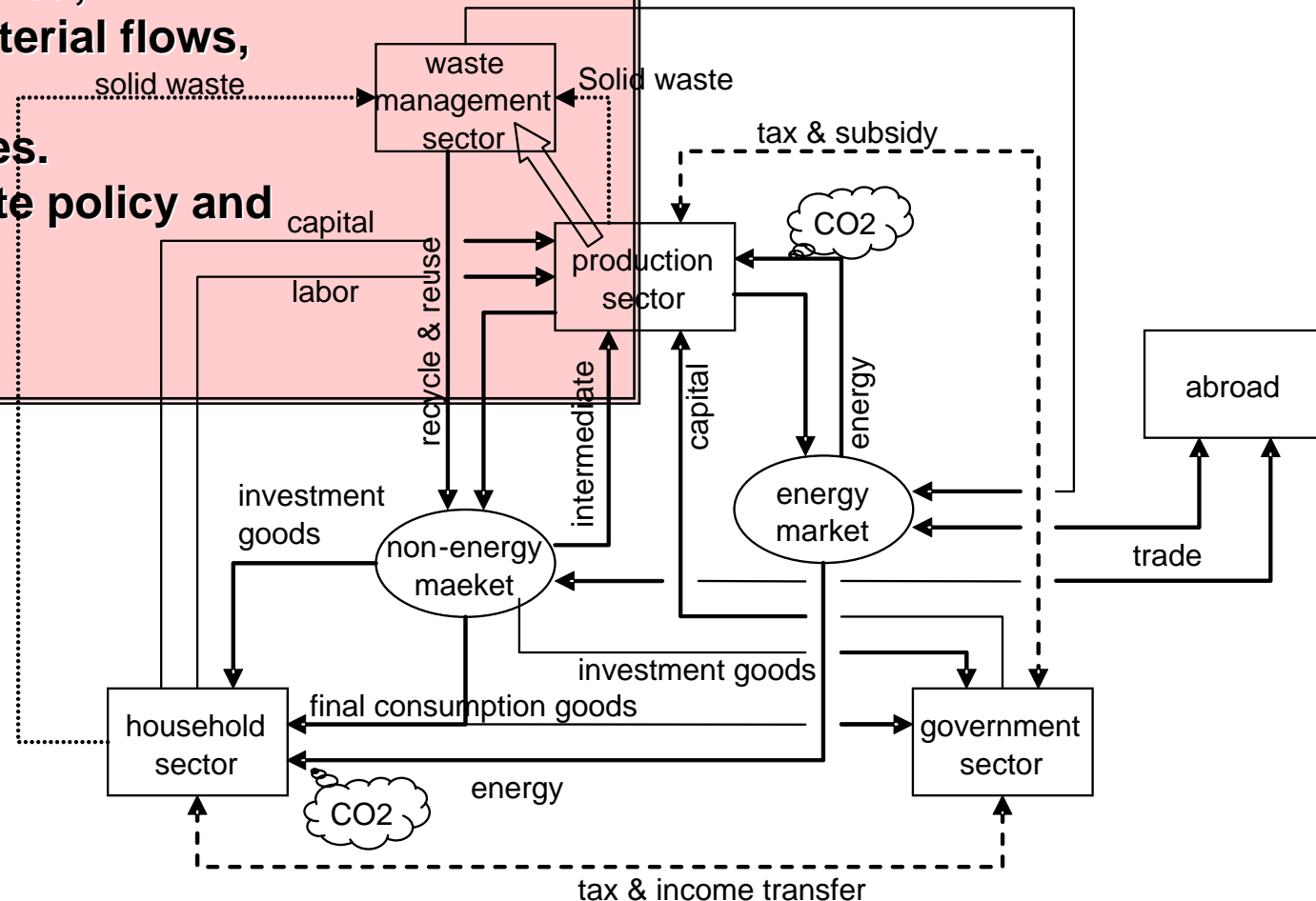
**Objectives of "solid waste model":**

**Estimation of waste flows and assessment of technologies related to wastes**



# Linkage to environmental policy assessment (CGE) model

**Elaboration of this area;  
Relation among material flows,  
technologies and  
economic activities.  
Evaluation of climate policy and  
material flows.**



Structure of AIM/Material model



# What we will do

Regions: Specific country? Asia? Global?

- Japan: Construction of framework and preliminary assessment
- Korea: Support from KEI (Dr. Kang and Mr. Kim)
- China: Support from Prof. Fujiwara
- India: Support from IIM
- Thailand: Support from AIT

Time frame: 5 years? 20 years? 50 years?

Activity:

- Waste treatment: generation, treatment, disposal?
- Waste generation: industry? household?
- Waste type: including raw materials?

