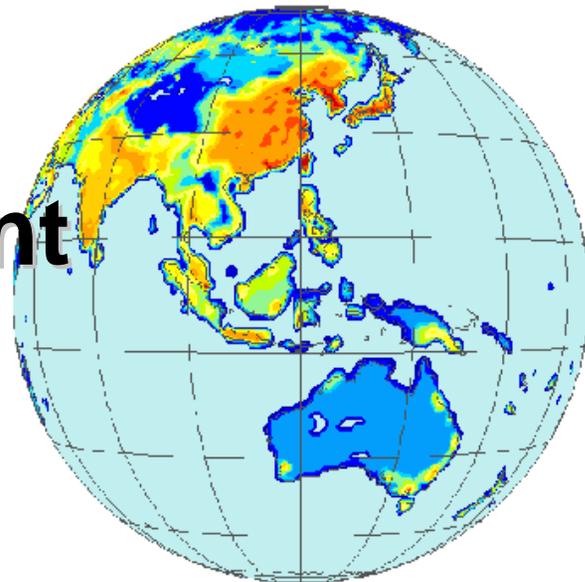


# **Material Cycle Assessment Based on AIM Tools**



**Toshihiko MASUI**

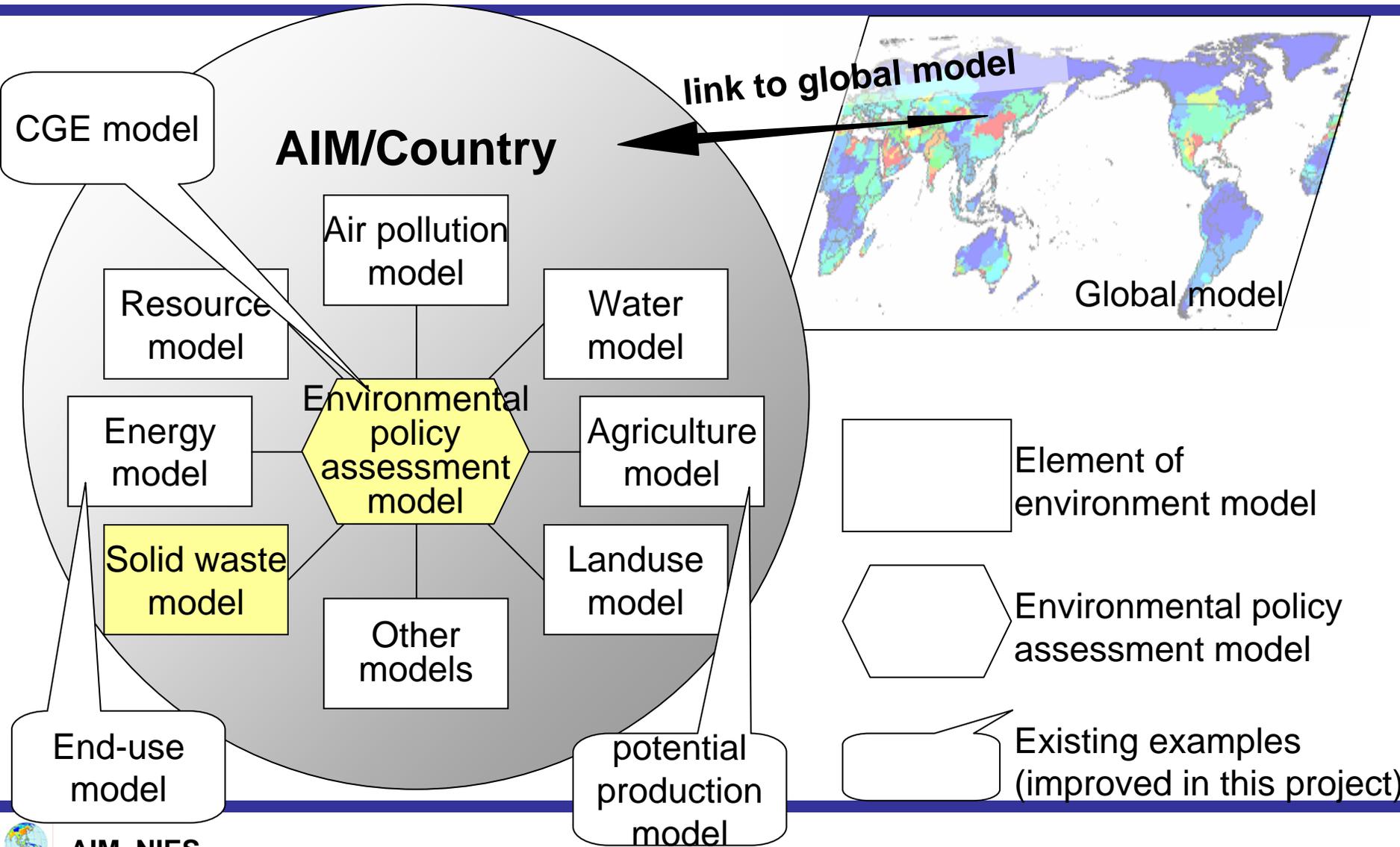
**National Institute for Environmental Studies**

**The 11th AIM International Workshop**

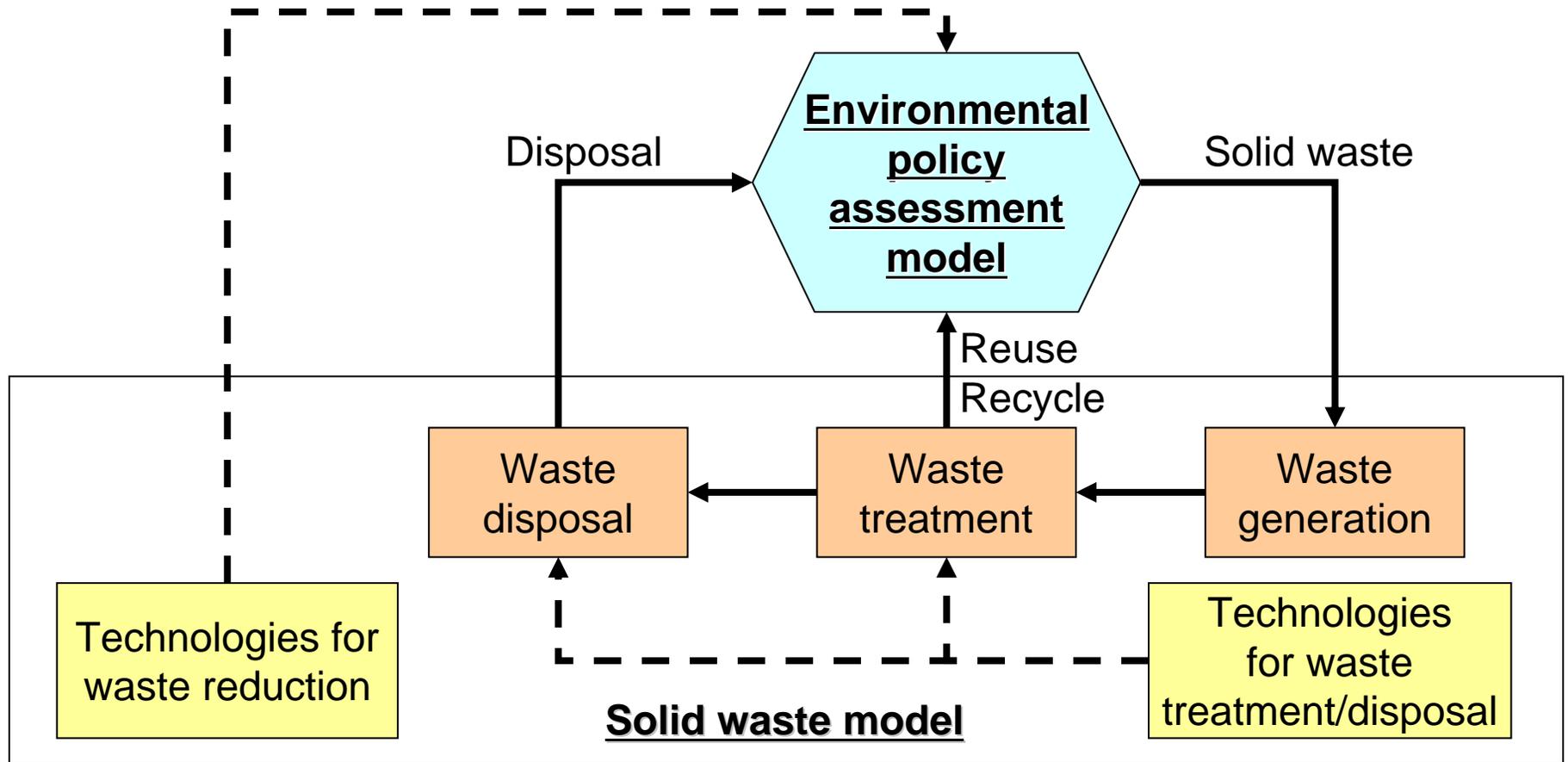
**Ohyama Memorial Hall, NIES**

**February 20th, 2006**

# Development of country model



# Model structure for assessing material cycle



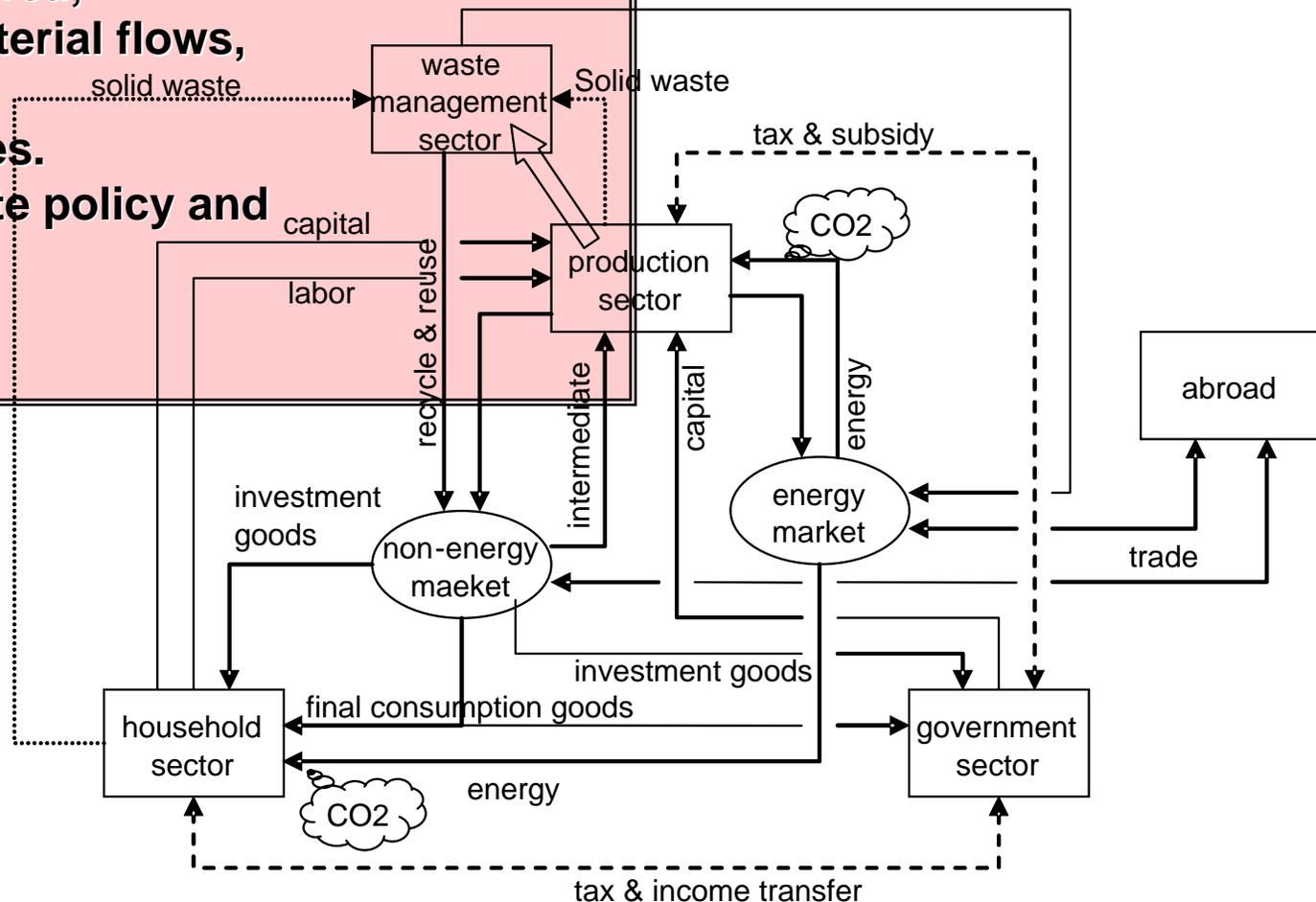
**Objectives of "solid waste model":**

**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?

