

The 10th AIM International Workshop
10-12 March 2005
NIES, Tsukuba, Japan

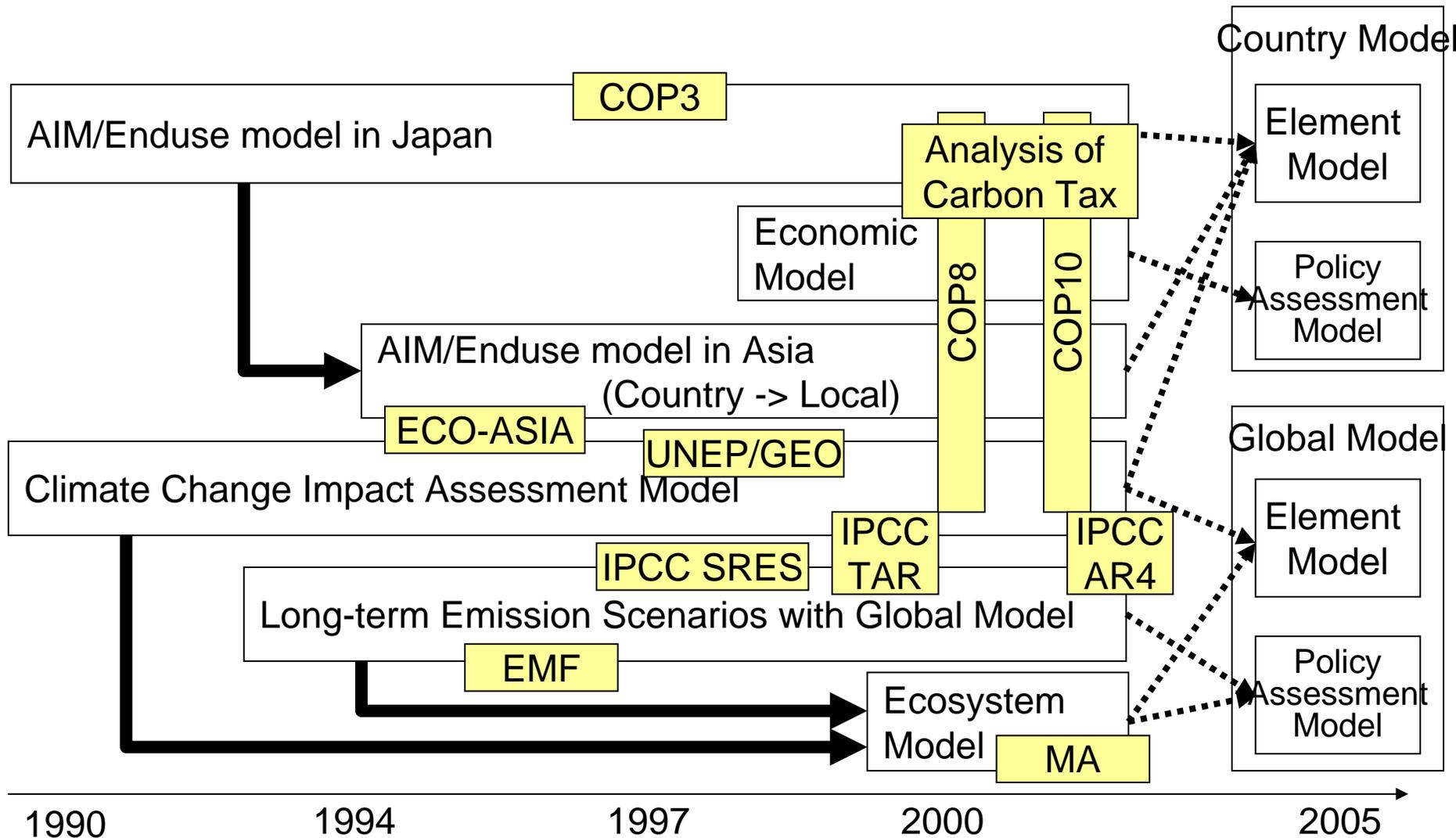
Future Direction of AIM

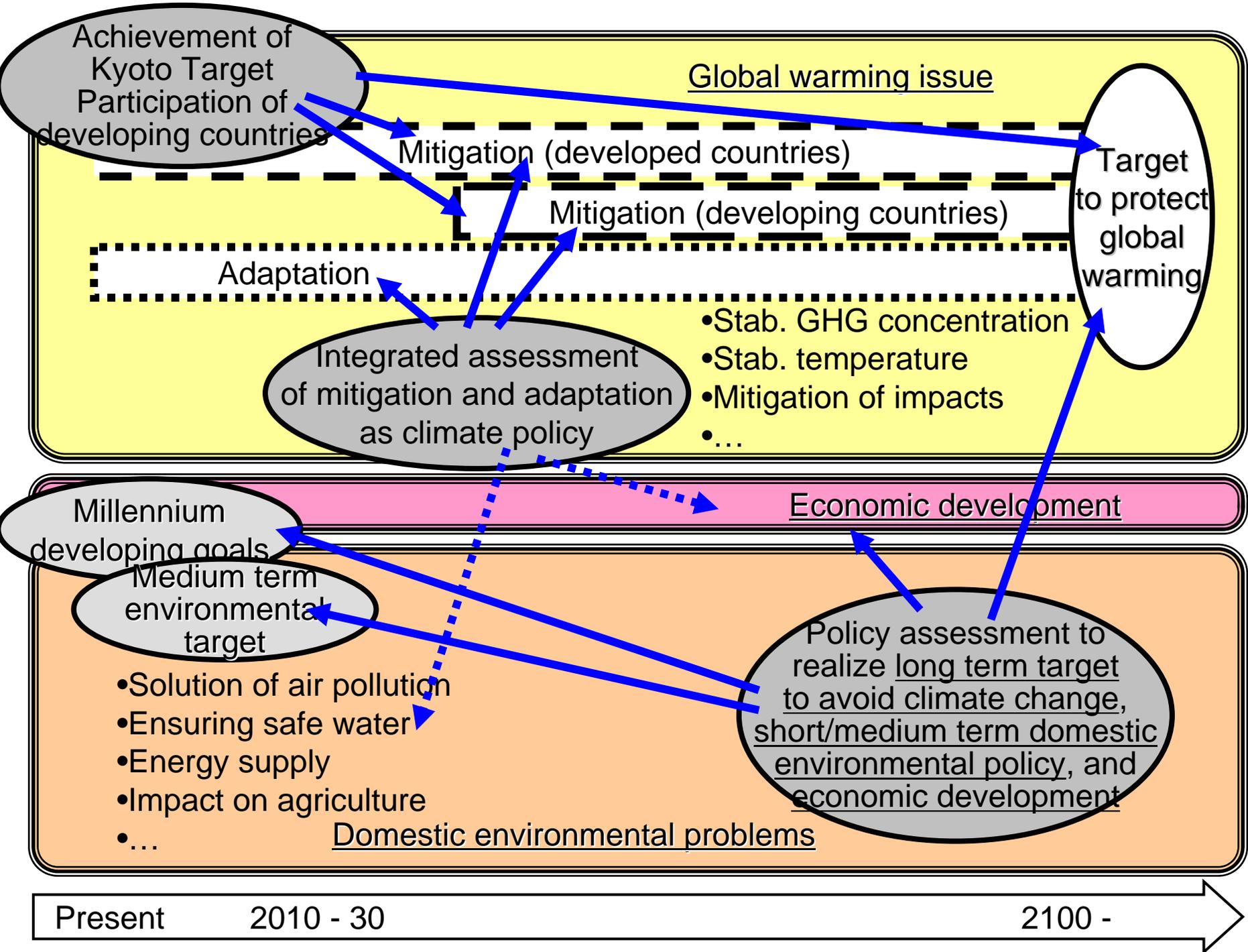
Mikiko Kainuma

National Institute for Environmental Studies

Research on assessment of mitigation and adaptation policies on climate change by using Asia-Pacific Integrated Model

Period: FY2005 - FY2007





What's new

- Expansion of integrated assessment model stressing energy system to other environmental problems such as water and land, and economic development
 - Country models for Asian countries' development
 - Global model for
- Both country models and global model consist of two sub models;
 - "Element of environment models" to treat individual environment in detail
 - "Environmental policy assessment model" to evaluate environmental policies and economic activity consistently

Expected products

- Evaluation of following environmental policies by using expanded models
 - Climate policy assessment from viewpoint of both mitigation and adaptation
 - Long term climate policy in consistent with short/medium term domestic environmental policies
 - Environmental policies in consistent with economic development

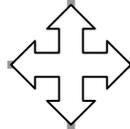
Environmental policy assessment model for Asian countries

Element of environment models for Asian countries



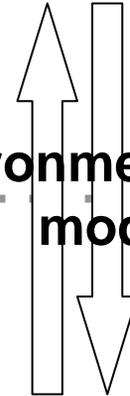
Environmental policy assessment model

Country model



Individual environment model

Global model

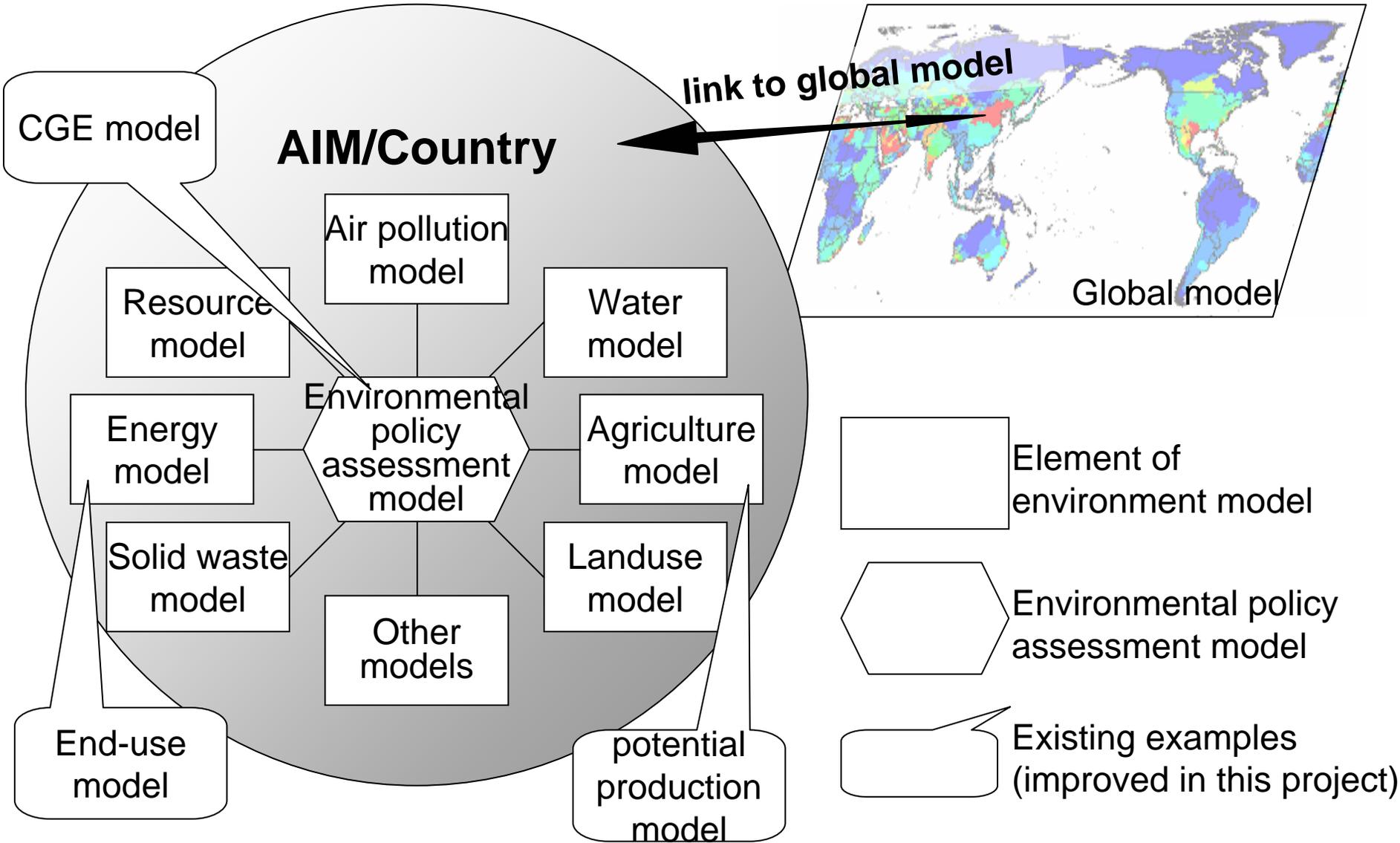


Global environmental policy assessment model

Element of environment models in global scale



Development of country model



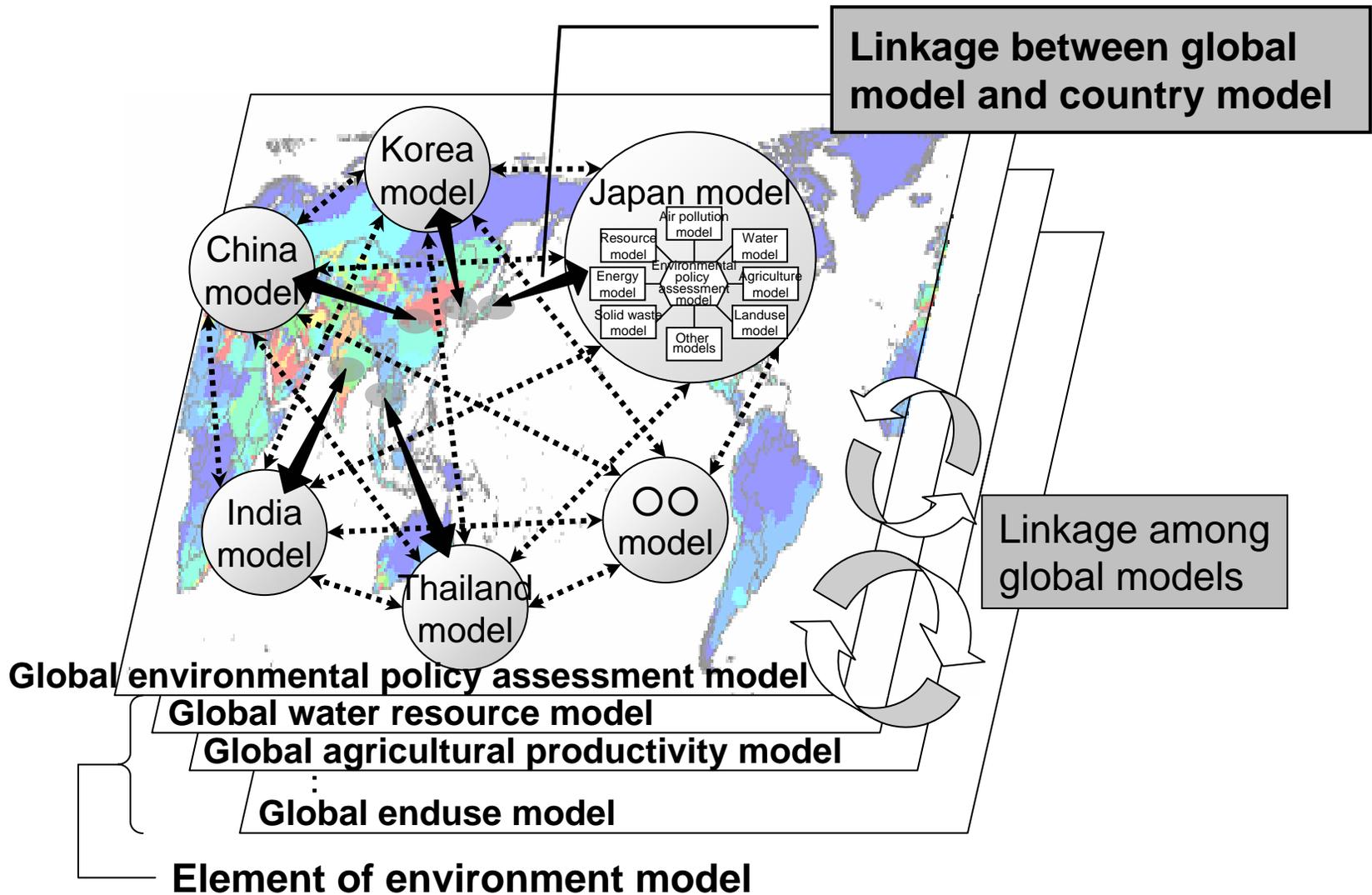
Development of country model

- Data collection for model development and policy assessment in each country
- Model development
 - Element of environment model
 - Environmental policy assessment model
- Assessment of mitigation/adaptation and other environmental policies using country models
- Development of interface among country models or between global model and country models
- Analysis by using integrated country models or global/country models
- Scenario assessment and international comparison analysis

In FY2005,

- Development/Improvement of some element of environment model
- Integration of element of environment model and environmental policy assessment model

Development of global model



Development of global model

- Improvement of "Global environmental policy assessment model"
- Development/Improvement of "Element of environment model in global scale"
- Integration between "Global environmental policy assessment model" and "Element of environment model in global scale"
- Assessment of mitigation and adaptation policies