

The 9th AIM International Workshop
12-14 March 2004
NIES, Tsukuba, Japan

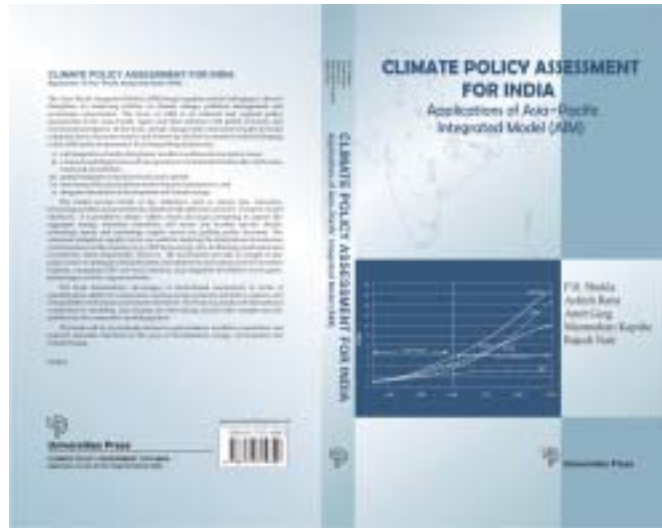
Recent Development of AIM Models

Mikiko Kainuma

National Institute for Environmental Studies

BOOK

Climate Policy Assessment for India: Applications of Asia-Pacific Integrated Models



Book Dedicated to the Memory of Prof. (Dr.) Tsuneyuki Morita

Founder of the Asia-Pacific Integrated Model (AIM),
coordinator of the AIM Network,
a foremost modeling expert
and a human being par excellence...

BOOK published in 2002

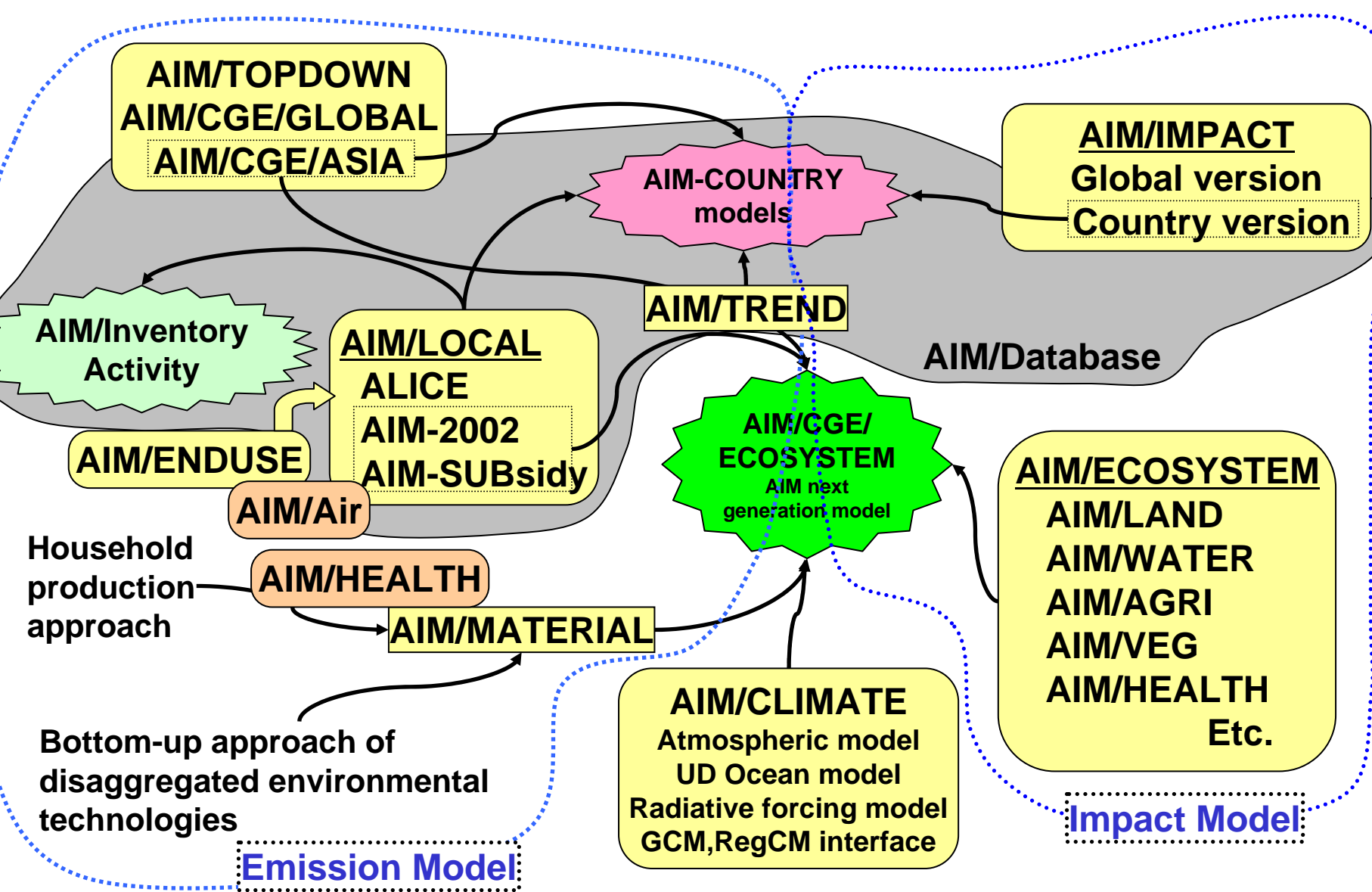
Climate Policy Assessment
Asia-Pacific Integrated Models

AIM Modeling Activities

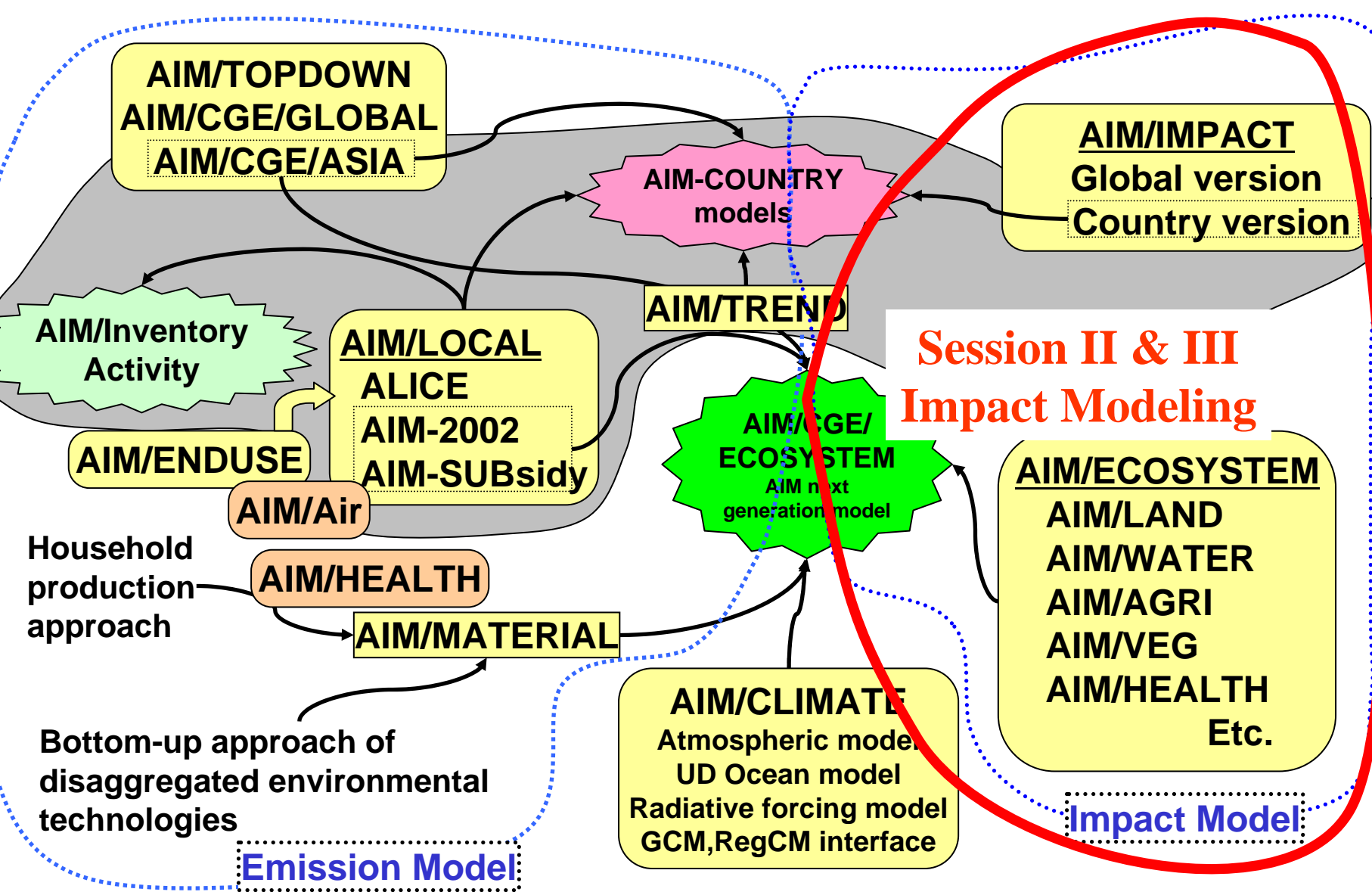
- Emission Inventory & Modeling
- GHG Mitigation Policy Assessment
(Carbon Tax, Emission Trading, CDM, Natural Gas, ...)
- Local Air Pollution Modeling
- Impact Assessment
(Forest, Water, Agriculture, ...)
- Scenarios
(Socio-Economic, Energy-Emission)
- Macro-Economic Impacts Analysis
- Strategic Database

Contribution to International Activities

- IPCC
 - Mitigation and adaptation scenarios
 - > Update of Morita's IPCC Scenario Database
- Millennium Ecosystem Assessment
- EMF (Multi-Gas Stabilization Scenario Analysis)
- Eco-Asia
- ACROPOLIS Project (EU, NIES, RITE, USDOE)
 - > CASCADE
- National Performance Assessment and Subregional Strategic Environment Framework for the Greater Mekong Subregion (SEF II) (ADB/GEF Great Mekong Project)
- Forum for Globally-Integrated Environmental Assessment (UNU, RIVM, NIES, IIASA, UNEP,...)



Asia-Pacific Integrated Model

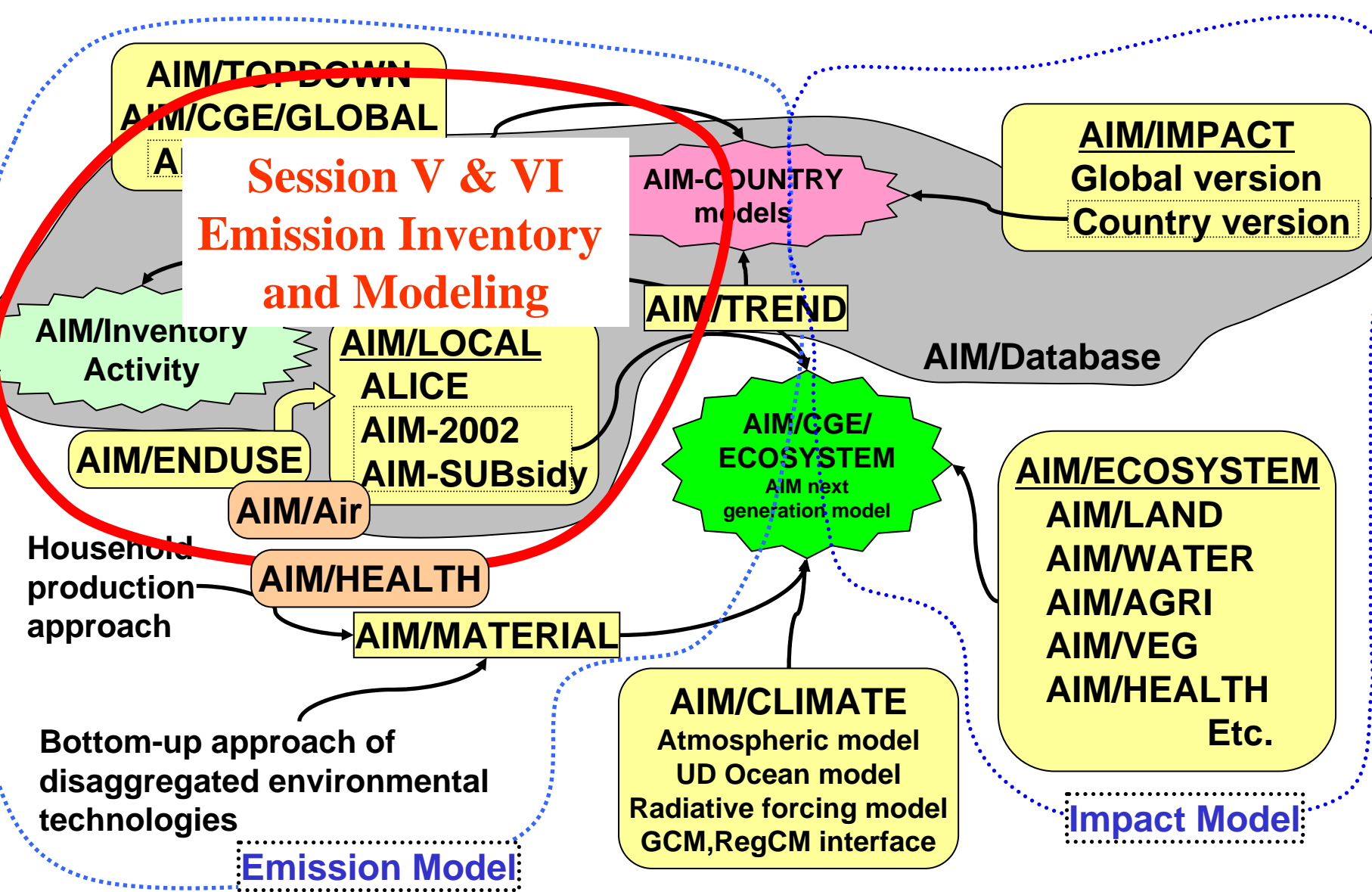


Asia-Pacific Integrated Model

Workshop

Session IV

- AIM Training Workshop
16-20 June 2003, AIT
- AIM International Symposium
4 October 2003, NIES,
- GHG Stabilization Scenario Workshop
22-23 January 2004, NIES
- AIM International Workshop
12-14 March 2004, NIES



Asia-Pacific Integrated Model

Session IX
Release of AIM-India Book
in Memory of
Dr. Tsuneyuki Morita



NIES, Tsukuba
March 13, 2004

New Integrated Modelling For Future Works

Session X
Future Direction

The 9th AIM International Workshop
12-14, March 2004
From: Y.Matsuoka

Asia-Pacific Environmental Innovation Strategy Project

Session XI
APEIS

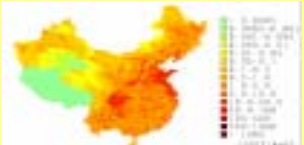
- Integrated Environmental Assessment -

AIM Model Development for APEIS

Strategic database

AIM/Energy/Technology/Country

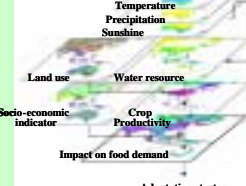
A bottom-up technology selection model of energy use and emissions at country and local level



Emission Intensity of SO₂ in China

AIM/Ecosystem/Water/Impact

A set of ecosystem models, including a vegetation dynamics model, a water resource model, an agricultural productivity model and a health impact model



AIM/Bottom-up

A bottom-up technology & land use model for Asia-Pacific region

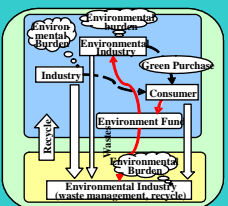
AIM Family

AIM/Top-down

A general-equilibrium-type world economic model

AIM/Material

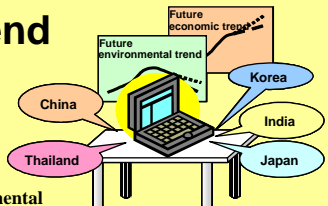
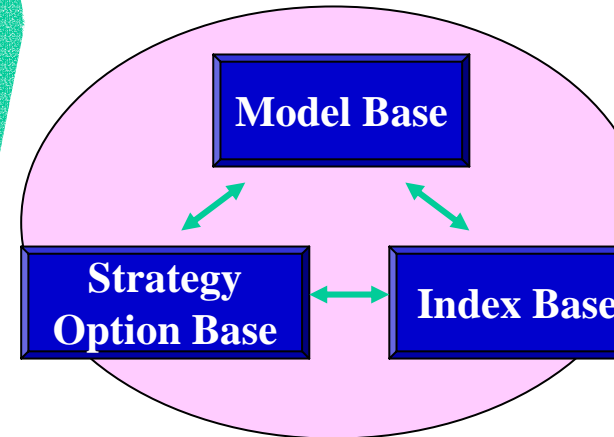
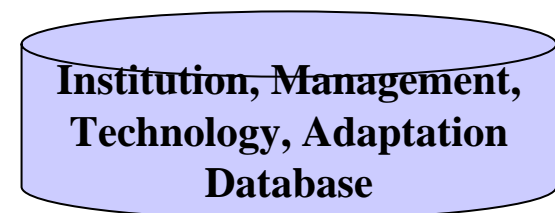
An environment-economy interacted model with material balance and recycling process modules



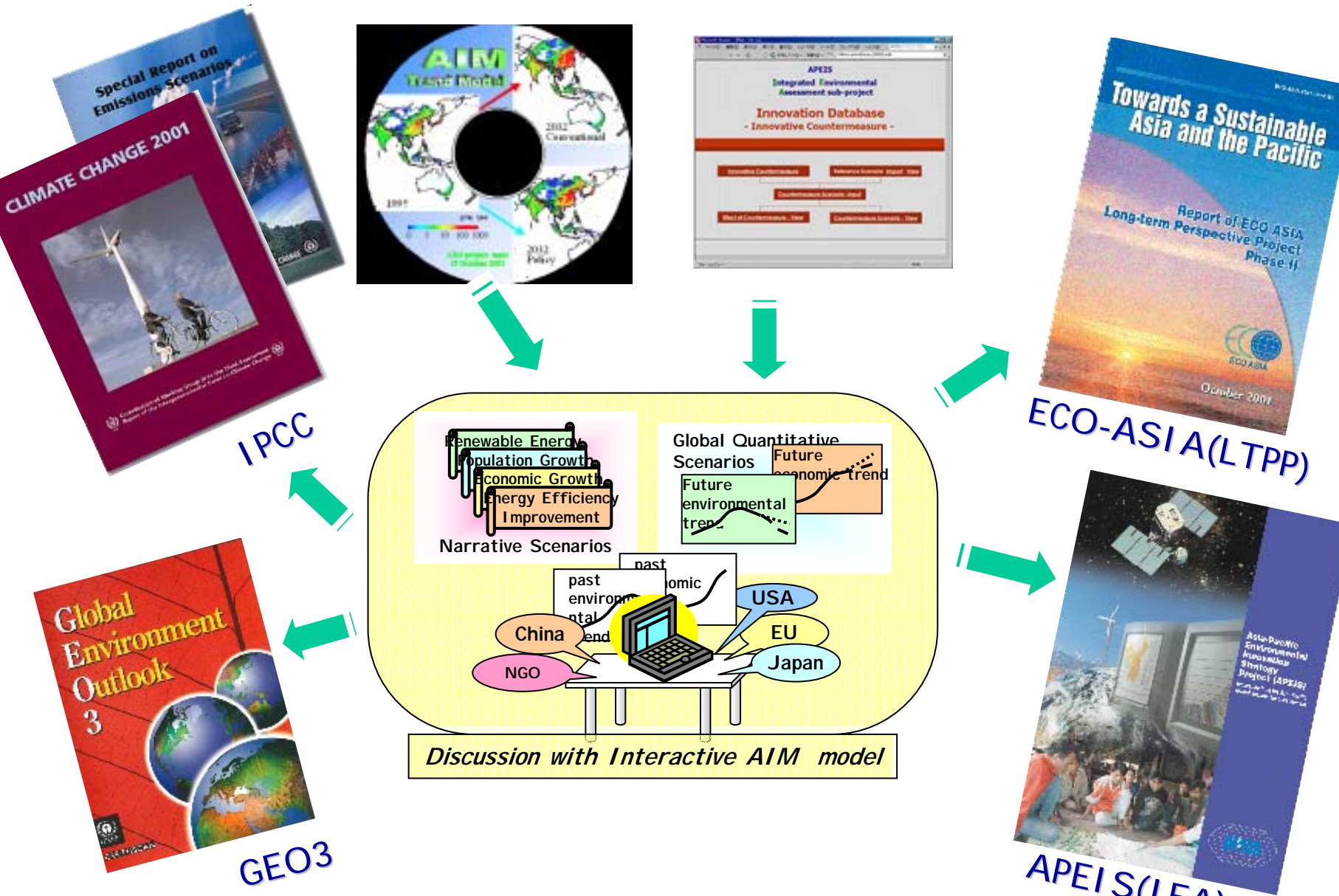
Technology assessment Technology needs
Research on new technologies

AIM/Trend

Developed as a communication platform in order to construct Asia-pacific regional environmental outlook supported with multi-regional environment-economic CGE model

AIM as Interactive Participatory Tool





Thank you for your contribution!