

## Recent Development of AIM Models and Activities

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## Model Development

**Application** 

Activities & Contribution

Models for scenario making

**Assessment** 

Bottom-up/Technology

- **Ecosystem**
- **Material**
- **Trend**
- **Backcasting**
- **Population**
- **Building**
- **Transport**
- **Stocks**
- **Energy supply and** demand regulation
- **Enduse**
- **Impact Assessment**
- **Impact process**
- Impact[Policy]
- Air
- Water
- **SDB**

- Country LCS scenarios (Japan, China, India, Thailand, ...)

- Mitigation measures (eg.

Carbon tax)

- Physical & **Economic** impacts of mitigation
- Co-benefits
- Burden sharing
- MDG goals
- Inventory (China, India,

Thailand,

Indonesia, ...)

**UK-Japan LCS Project (June** Tokyo meeting, COP12 side event,

**IPCC** (including scenario database)

- EMF (Snowmass, **Tsukuba Meeting**)
- APN/CAPaBLE

**UNEP/GEO4** 

- **Eco Asia**
- CSD14

**Partnership Fair** 

**Governments** 

# Focusing points

- AIM project(B52)
- · APEIS
- ·Low Carbon Society toward 2050 Project (S3)
- ·Climate Impact Top-down project(54)
- ·Others

- Reinforcement of national/regional integrated assessment processes coupled with global assessment processes.
- Expansion of global warming specific issues to more comprehensive integration of environmental issues, such as low material society, WEHAB problems, and so on.

#### **Models for analyzing LCS Population and** management mode household model GHG GHG mode rence Residential sector service model leak pollutant pollutant **Building dynamics** Commercial model Water sector tment pollutant Strategic database Efficiency CGE model Stock model stock Şervi Production amount model Water Industrial Industrial flow production-modelsector **Material Enduse** pu **Transportation Demand** Transpor tation model sector Energy **Energy supply** Trns. sector Population model and household pollutant model GHG Enduse[Air] **Backcast model** model Model Energy **Energy snapshot** balance Output of model table : Data flow

## Outline of AIM model presentation at the workshop

- Opening [I]
- Impact modelling [Session II, III]
- Emission inventory and modelling [Session IV]
- Environmental modelling [Session V, VI, VII]
- APEIS [Session VIII]
- LCS (Low Carbon Society) Scenario Development [Session IX, X]
- Future direction of AIM [Session XI]
- Closing [Session XII]

# Thank you for your contribution!