Recent Development of AIM Models and Activities

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Model Development	Application	Activities & Contribution

Models for scenario making

Top-down/CGE

Bottom-up/Technology

Impact Assessment

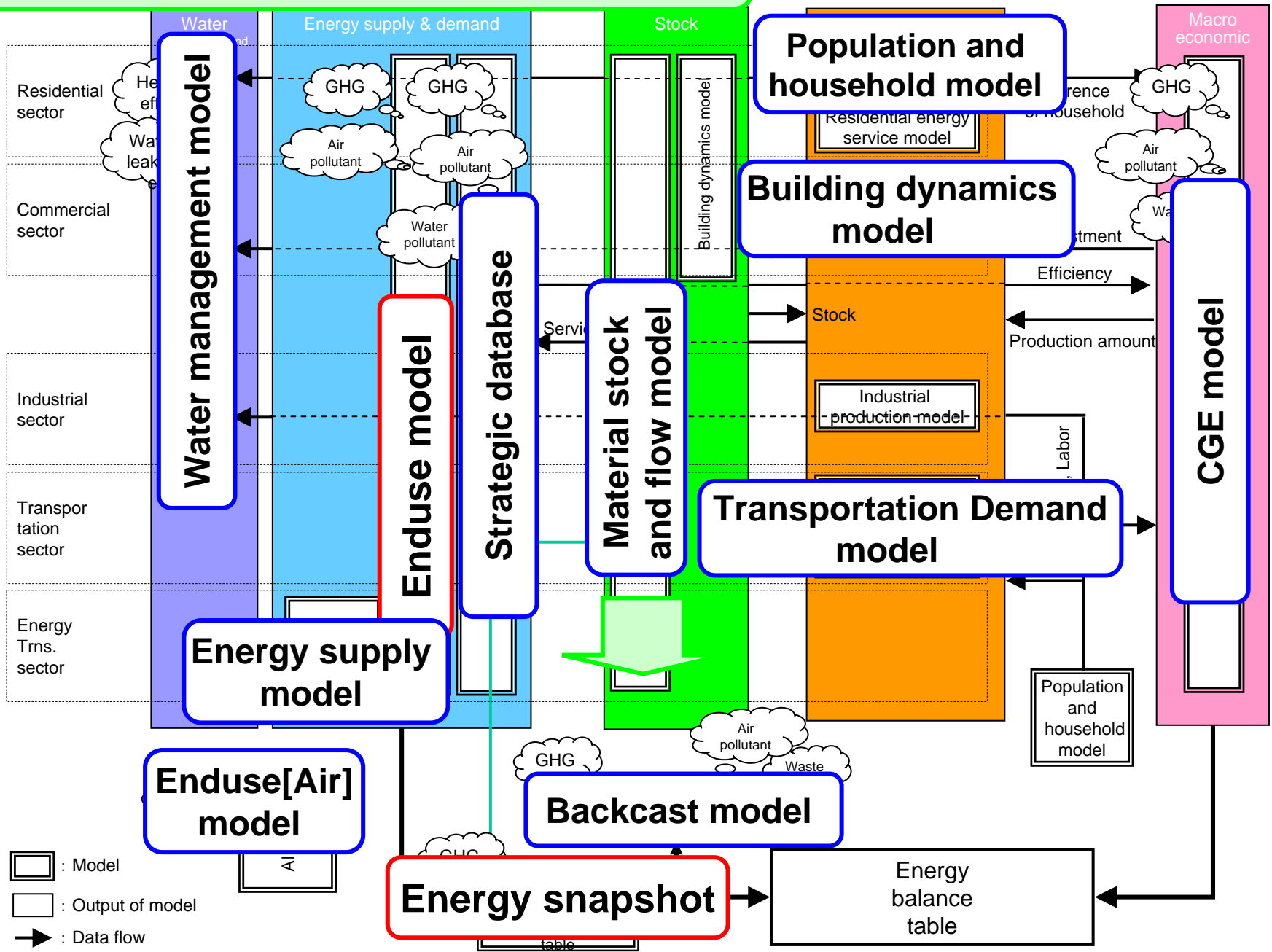| Model Development	Application	Activities & Contribution
- **Ecosystem** - **Material** - **Trend** - **Backcasting** - **Population** - **Building** - **Transport** - **Stocks** - **Energy supply and demand regulation** - **Enduse** - **Impact Assessment** - **Impact process** - **Impact[Policy]** - **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)** - **UNEP/GEO4** - **APN/CAPaBLE** - **Eco Asia** - **CSD14 Partnership Fair** - **Governments**

Focusing points

- AIM project(B52)
- APEIS
- Low Carbon Society toward 2050 Project(S3)
- Climate Impact Top-down project(S4)
- 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.

Source: Matsuoka, Future direction of AIM, 2006

Models for analyzing LCS

Legend:
- ▭ : Model
- ▭ : Output of model
- → : 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!