# AIM/Material Model
## *Training*

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# Coverage in this workshop

- **Summary (Session 4)**
  **For understanding AIM/Material model**
  - *What is AIM/Material model?*
  - *Model formulation*
  - *Necessary data for simulation*
  - *Future scenario*

- **Training (This session)**
  - *Operation of AIM/Material model*

- **Application (Session 7)**
  - *Application of AIM/Material model to India and Japan*

# Contents of this session

1. **Model components**

    ➔ **See Chap. 2 & 3**
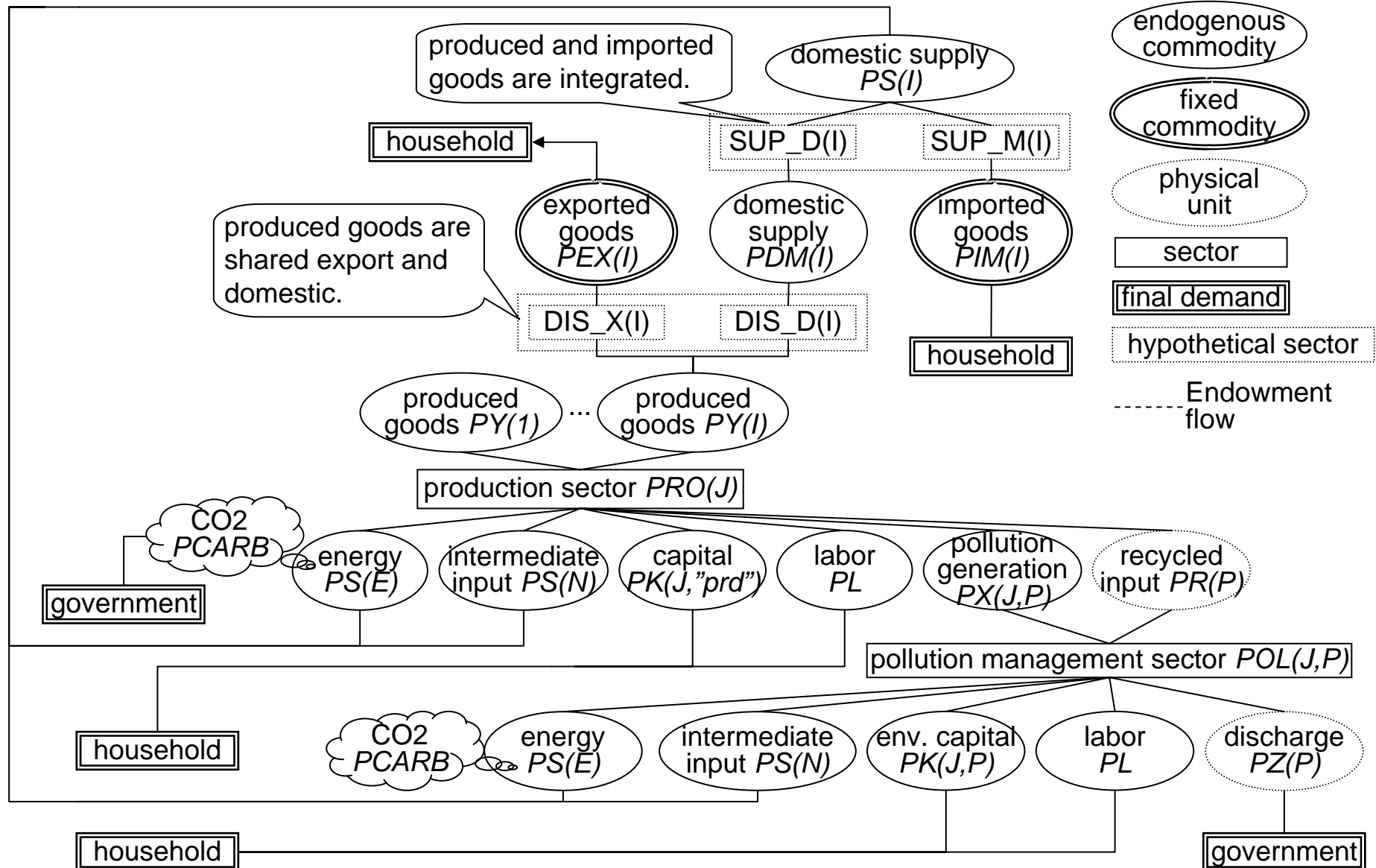
2. **Model code**

    ➔ **Chap. 1, Appendix 1 & 2**

3. **Dataset**

    ➔ **Appendix 3**

4. **Demonstration of model run**

    ➔ **Chap. 4**

# Structure of AIM/Material

produced and imported goods are integrated.

domestic supply *PS(I)*

endogenous commodity

fixed commodity

physical unit

sector

final demand

hypothetical sector

------ Endowment flow

household

SUP_D(I)    SUP_M(I)

produced goods are shared export and domestic.

exported goods *PEX(I)*

domestic supply *PDM(I)*

imported goods *PIM(I)*

DIS_X(I)    DIS_D(I)

household

produced goods *PY(1)* ... produced goods *PY(I)*

production sector *PRO(J)*

CO2 *PCARB*

government

energy *PS(E)*

intermediate input *PS(N)*

capital *PK(J,"prd")*

labor *PL*

pollution generation *PX(J,P)*

recycled input *PR(P)*

pollution management sector *POL(J,P)*

household

CO2 *PCARB*

energy *PS(E)*

intermediate input *PS(N)*

env. capital *PK(J,P)*

labor *PL*

discharge *PZ(P)*

household

government

# Structure of AIM/Material (cont.)