

**TITLE: AIM modeling activity FY2011-FY2012**

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**Overview of FY2011 and FY2012's AIM modeling activity is introduced. Six issues are focused. They are:**

- 1.Introduction of models in AIM family**
- 2.Necessity of multi-scale and interactive analysis for Asian LCS scenarios**
- 3.Target regions of AIM studies**
- 4. Three stage's approach for Pan-Asian and national LCS studies**
- 5. Improvements of models and tools in AIM, especially,**
  - 1) CGE and Enduse models,**
  - 2) Extended Snapshot Tool**
  - 3) Element models.**
- 6. Introduction of studies now going on, which includes**
  - 1) Pan-Asian LCS study**
  - 2) National LCS studies**
  - 3) Local regional LCS studies**
  - 4) SATREPS-LCS**

**List of abbreviations in the presentation**

AFOLU: Agriculture, Forestry and Land Use  
AIM: Asian-Pacific Integrated Model  
BCM: Back-casting model  
BCT: Back-casting Tool  
BDM:House and building dynamics model  
CD: Cobb-Douglas  
CGE: Computable general equilibrium model  
ExSS: Extended snapshot tool  
GAMS: General Algebraic Modeling System  
LCS: Low Carbon Society  
MCP: Mixed Complementarity Problem  
MSFM:Material stocks and flow model  
PHM:Population/Household dynamics model  
PTDM: Passenger Traffic demand model  
S6: Strategic Research and Development project No.6  
SATREPS: Science and Technology Research Partnership for Sustainable Development  
SLCS:Scenario of Low Carbon society  
SSTAG:Scenario of Stagnant society  
TDM:Traffic demand model  
TFP: Total Factor Productivity