Element models for LCS study; Outline

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Purpose of this session

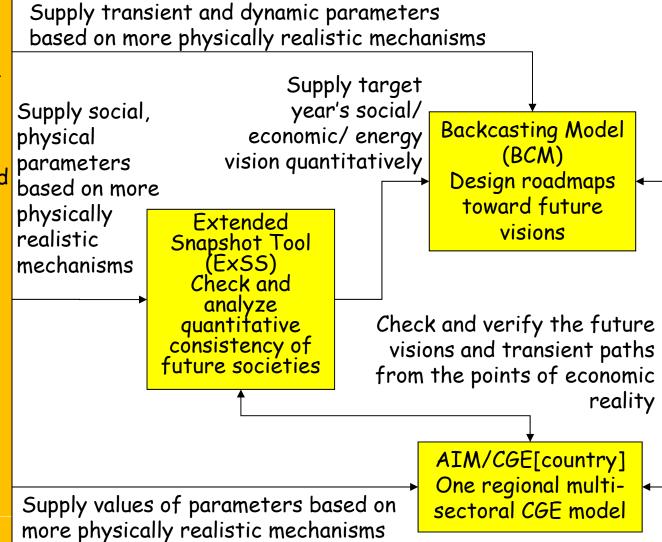
- Modeling approach toward the Low Carbon Society,
 - Consistent whole pictures to realize LCS.
 - ExSS, CGE, Backcasting models
 - Representing the more clear, detailed and concrete pictures
 - Element models
- Especially, in order to accelerate the approaches toward the LCS, detailed pictures are inevitable.
- Introduction of our models;
 - which aspect is modeled?
 - What information is necessary to use it?
 - What is the output information by using it?



How to integrate various models with consistency

Element models

- •Econometric type macroeconomy model (EME)
- Population and household model (PHM)
- Household production and lifestyle model (HPLM)
- House and building dynamics model (BDM)
- Traffic demand model (TDM)
- ·Reneable energy supply model (RESM)
- Material stock dynamics model (MSFM)
- Air pollution model (AIM/enduse[air])
- Energy technology model (AIM/Enduse)





Presentation in this session

- ◆ Population and household by Dr. Y.Kanamori
- ◆ Macro economy by Ms. R. Kawase
- ◆ Material Stock & Flow by Ms. R. Kawase
- Renewable Energy Supply by Dr. S. Ashina, Dr. G. Kayo, and Dr. D. Silva
- ◆ Transportation by Prof. G.Kurata
- ◆ Air Pollution by Prof. G.Kurata
- Purpose of each model
- Necessary Inputs
- Output
- If you want to use specific model for your low carbon scenario, please contact responsible person directly!

