

Overall of AIM activities in FY2011

Toshihiko Masui

National Institute for Environmental Studies

The 17th AIM International Workshop

17th February, 2012

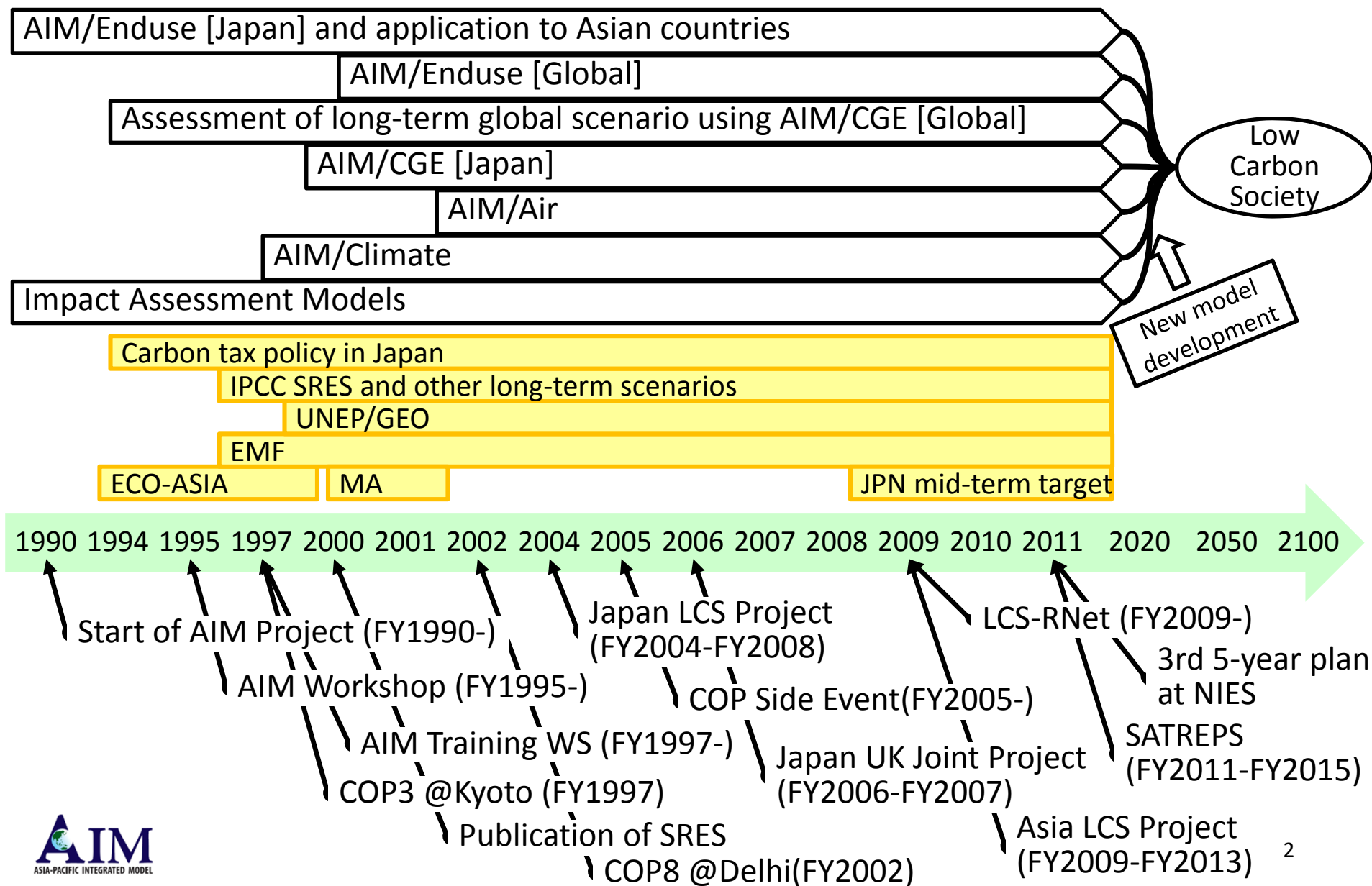
NIES, Tsukuba, Japan



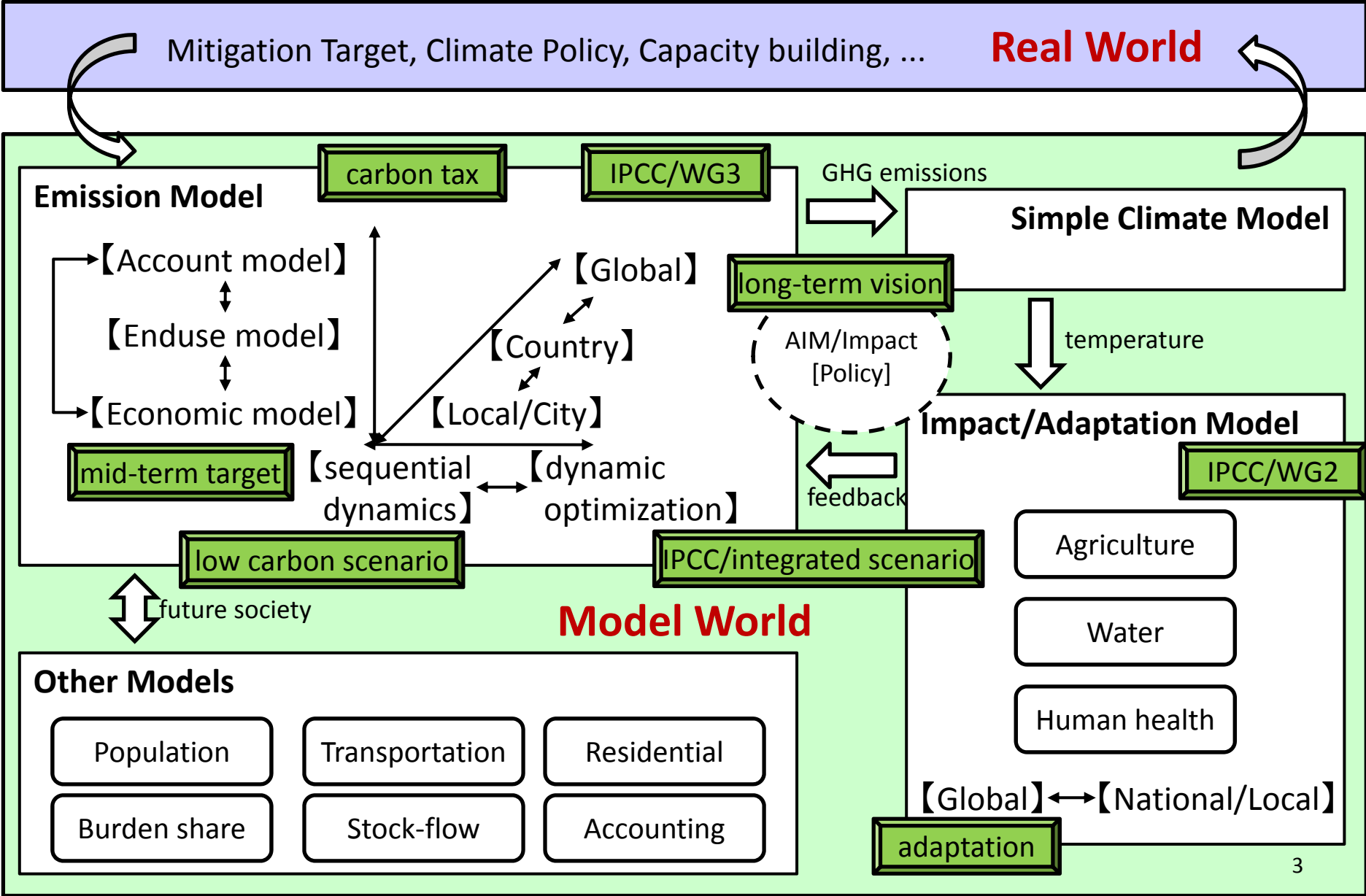
This workshop is supported by S-6-1 and A-1103 of Environment Research and Technology Development Fund of the Ministry of the Environment, Japan, SATREPS, JICA, and Climate Change Research Program in NIES.



Brief History of AIM and its application



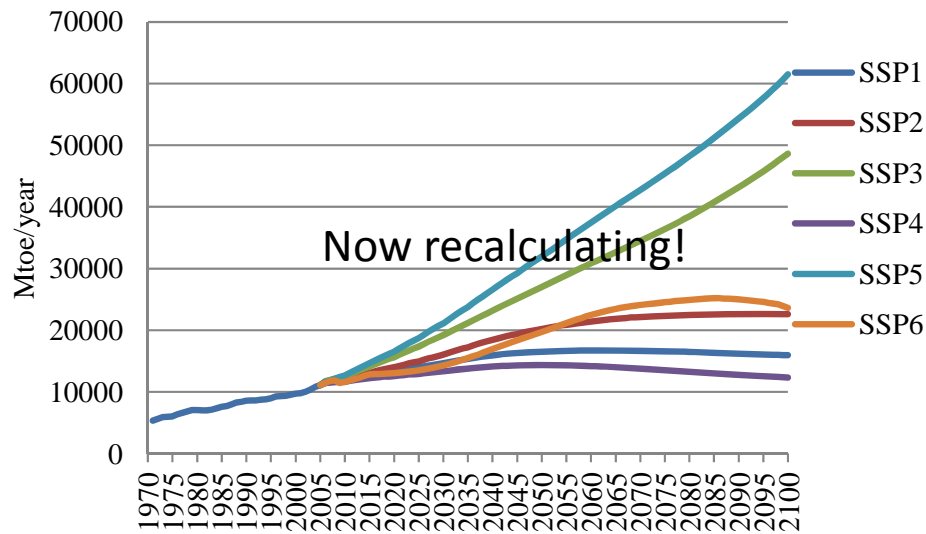
Contents of Present AIM



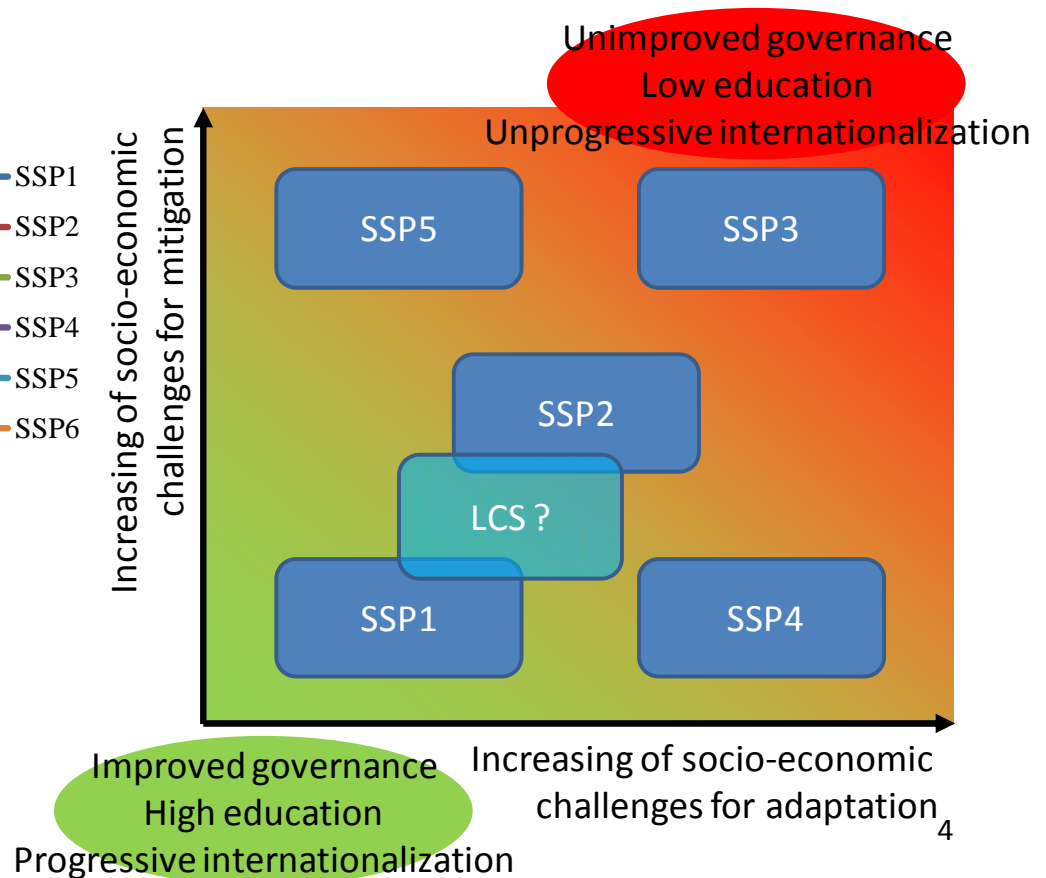
Activities in FY 2011 (1)

Development of long-term global scenarios

- RCP (Representative Concentration Pathways) papers were published from “Climatic Policy”.
<http://www.springerlink.com/content/xv6r454mv3140008/>
- Discussions on SSP (Shared Socio-economic Pathways) was started.



Global Total Primry Energy Supply
 As of NCAR meetng (Nov. 2011)



Activities in FY 2011 (2)

Contribution to international academic works

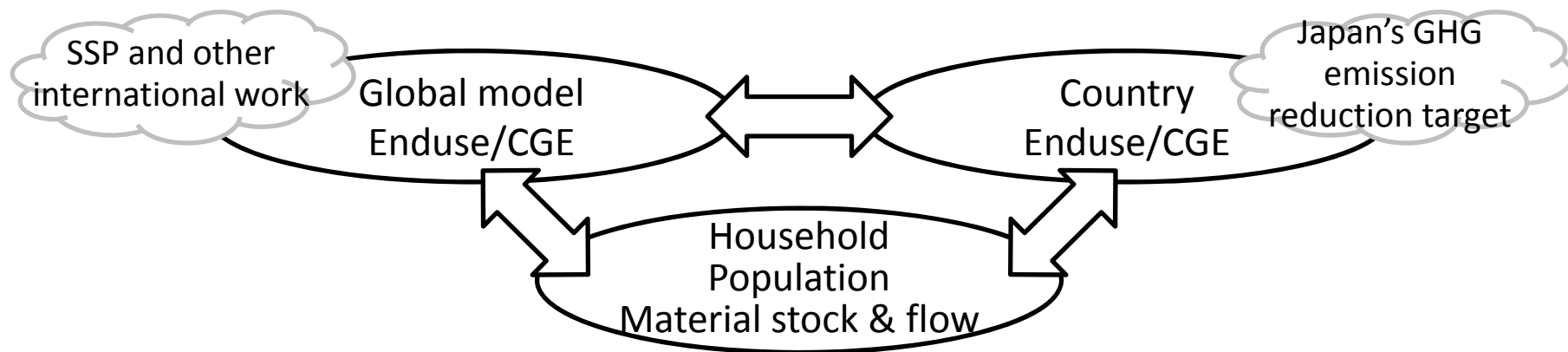
- AIM is joining the international modeling activities such as
 - IAMC (Integrated Assessment Modeling Consortium)
 - AME (Asian Modeling Exercise)
 - EMF (Energy Modeling Forum)
 - RCPs (Representative Concentration Pathways) and SSPs (Shared Socio-economic Pathways) as new scenarios
 - AgMIP (Agricultural Model Intercomparison and Improvement Project)
 - AMPERE (Assessment of Climate Change Mitigation Pathways and Evaluation of the Robustness of Mitigation Cost Estimates)
 - LIMITS (Low Climate Impact Scenarios and the Implications of Required Tight Emission Control Strategies)

through Enduse model, CGE model and Backcasting model

Activities in FY 2011 (3)

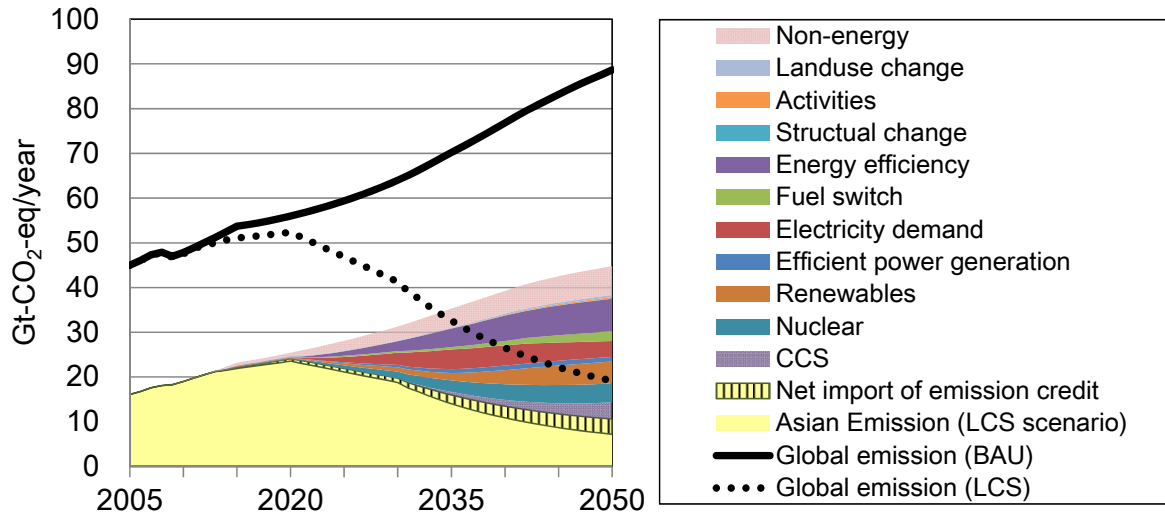
National target on GHG emissions

- New research “Assessment of Impacts of Climate Policy in Japan in the Backdrop of Global Climate Policy Using Integrated Assessment Model” (A-1103, Environment Research and Technology Development Fund of the Ministry of the Environment, Japan) has started (FY2011-2013).
- Main topics
 - Global models development and their application to various places such as SSP and EMF
 - Direct linkage enduse model and CGE model
 - Regional enduse/CGE model development reflecting regional features
 - Models application for preparing mitigation options in Japan



Activities in FY 2011 (4)

Asia LCS Study

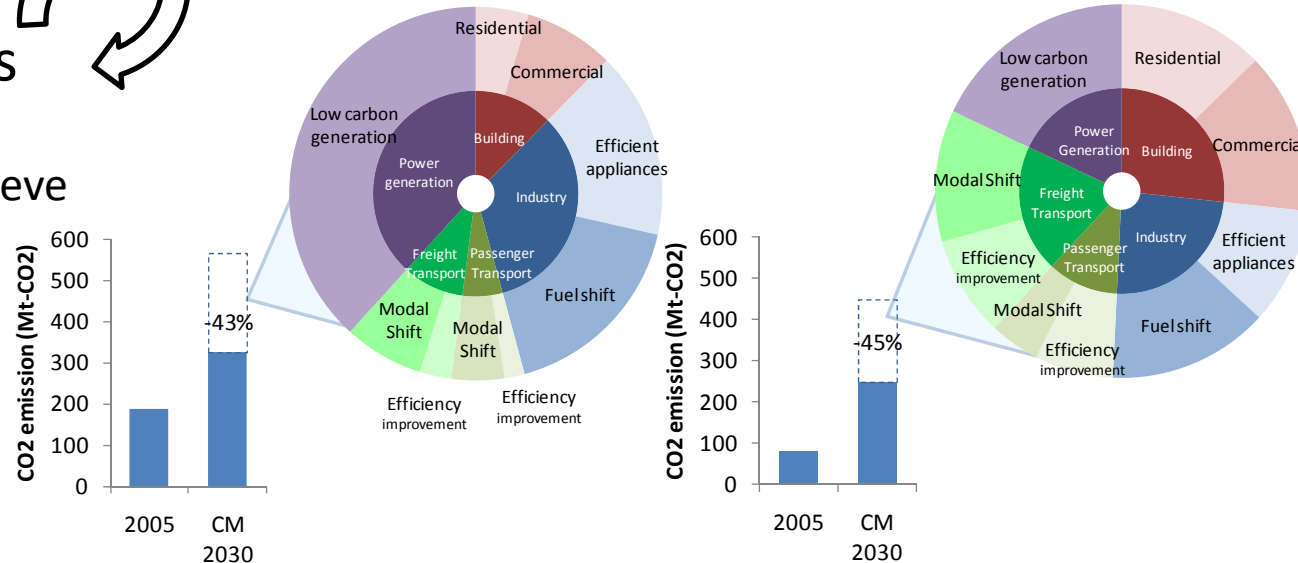


S-6-1, Environment Research and Technology Development Fund of the Ministry of the Environment, Japan)

Global analysis
to be halved global
GHG emissions in
2050 to those in 1990

Consistency check and feedback to global/local analyses for next 2 years

Local analysis
GHG emission
reduction to achieve
local targets



Activities in FY 2011 (5)

Model diffusion and model application toward LCS

Date	Workshop	Place	Participants
February 22, 2011	Symposium: Towards Low-Carbon Society in Asia "Asia LCS scenarios and actions How to achieve sustainable low-carbon society"	JICA Research Institute, Japan	100
June 6-18, 2011	Training workshop on CGE model	NIES, Japan	8
July 4, 2011	1st Symposium on Asia LCS scenario	Johor Bahru, Malaysia	120
July 5, 2011	Training workshop	UTM, Malaysia	70
August 1-8, 2011	Training workshop on integrated assessment model for GHG mitigation	NIES, Japan	15
October 2-9, 2011	Training on consensus building toward LCS development	Kyoto, Shiga, Tokyo, and MoE, Japan	6
October 30, 2011	1st Symposium on Asia LCS scenario	UTM, Malaysia	130
November 2, 2011	Training workshop on integrated assessment model for Socio-economy and GHG mitigation	UTM, Malaysia	60
November 16-18, 2011	Follow-up meeting of training workshop on CGE model	NIES, Japan	6
November 22, 2011	Symposium: Asia LCS scenarios and actions -How to achieve sustainable low-carbon society-	JICA Research Institute, Japan	200
December 2, 2011	COP17/CMP7 side event: Low Carbon Society (LCS) in Asia: from Planning to Implementation	Durban, South Africa	80
December 5-7, 2011	Course on LCS scenario development	KU, Japan	2

Agenda

- DAY 1
 - Session 1: Introduction
 - Session 2 & 3: Results of Low Carbon Society (LCS) from Asian Countries
 - Session 4: Panel Discussion on Bridging Modeling and Policy Making toward LCS
- DAY 2
 - Session 5 & 6: Impact studies
 - Session 7: Integrated Assessment Modeling
 - Session 8: Element Models for LCS
- DAY 3: Research Meeting
 - Thailand
 - Indonesia
 - China
 - India
 - International
 - ◆ Meetings with other countries will be held on 17th or 18th February.

At this workshop, hope to have fruitful discussions toward Low Carbon Society!