

Overall of AIM activities in FY2012

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The 18th AIM International Workshop

14th December, 2012

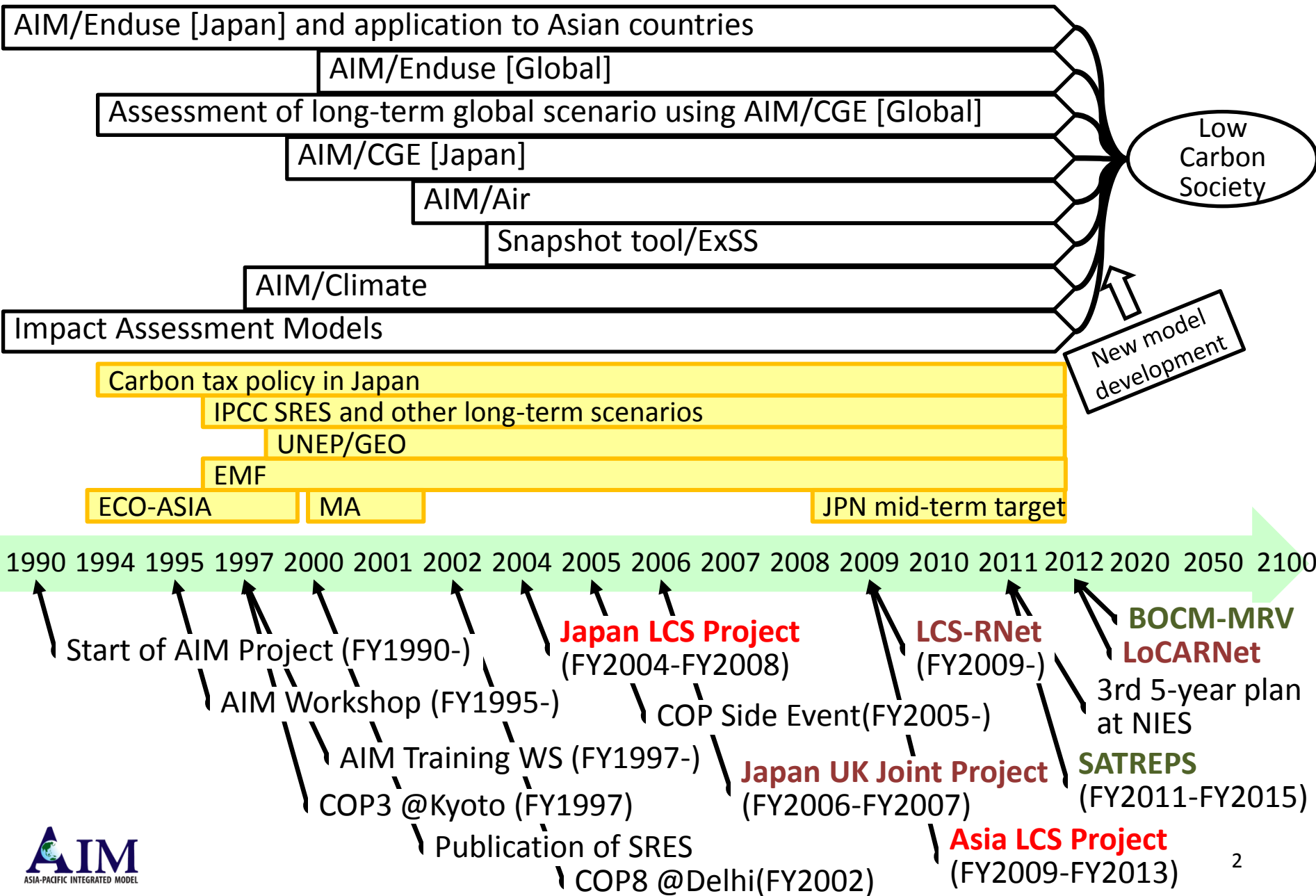
NIES, Tsukuba, Japan



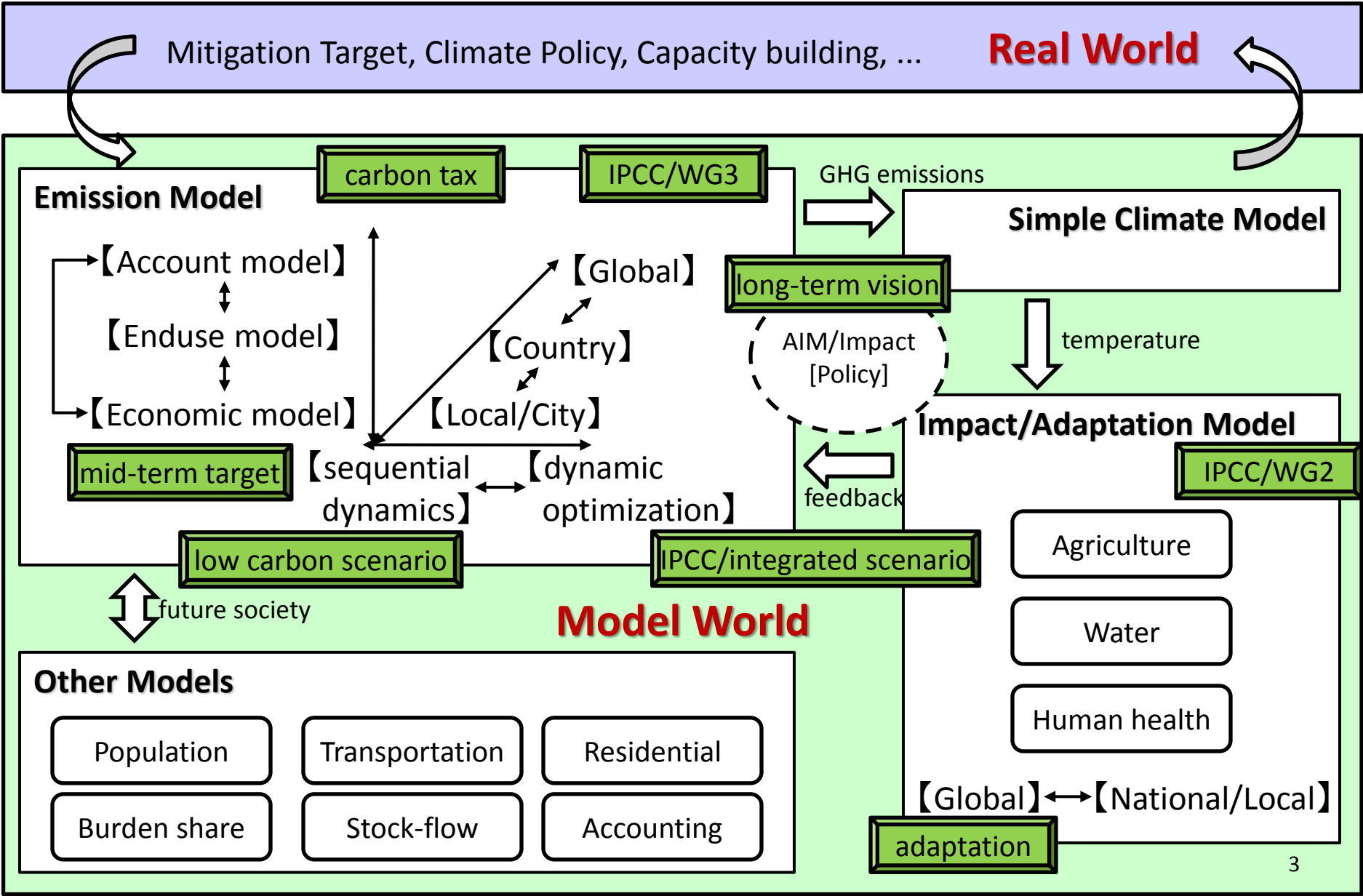
This workshop is supported by S-6-1 and A-1103 of Environment Research and Technology Development Fund of the Ministry of the Environment, Japan, SATREPS, JICA, and Climate Change Research Program in NIES.



Brief History of AIM and its application

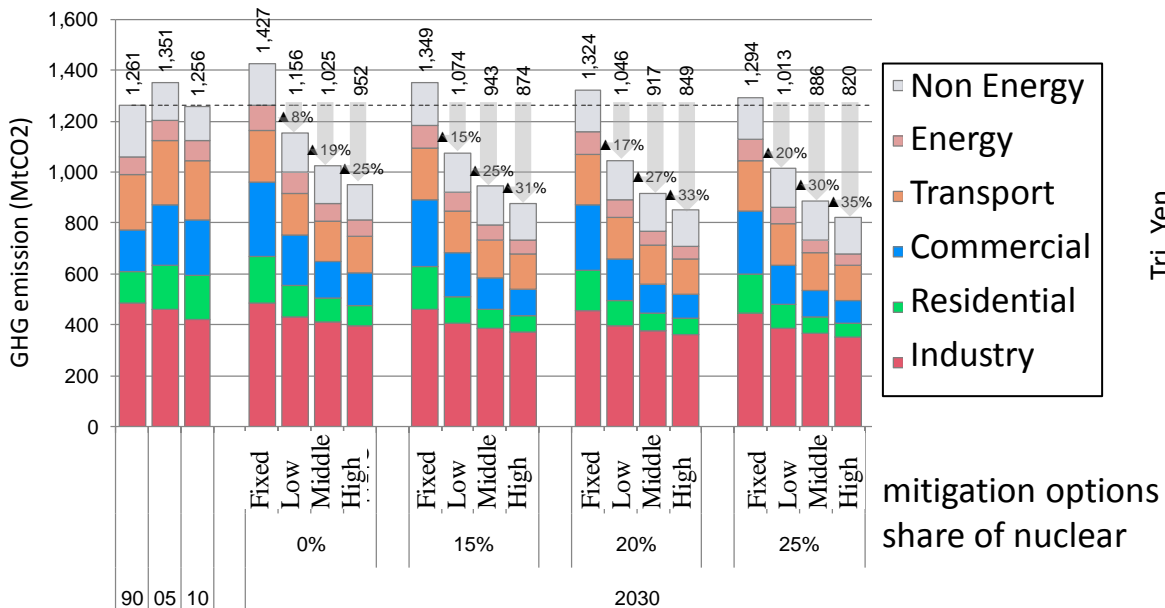


Contents of Present AIM

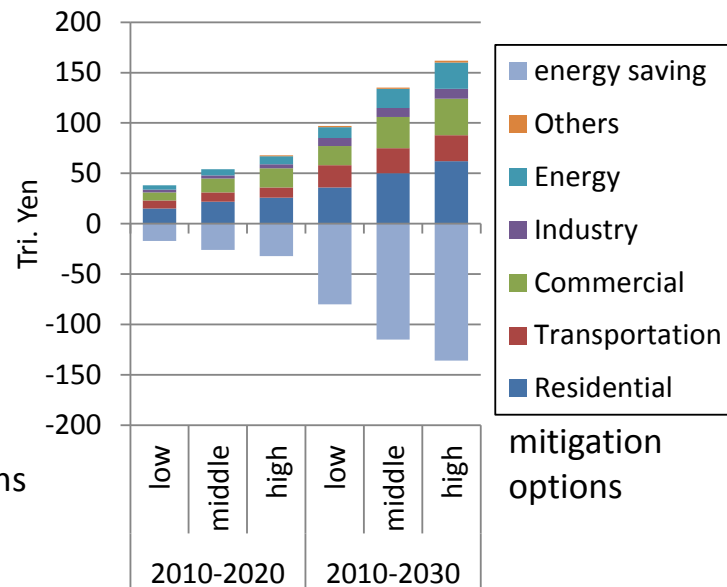


Activities in FY 2012 (1)

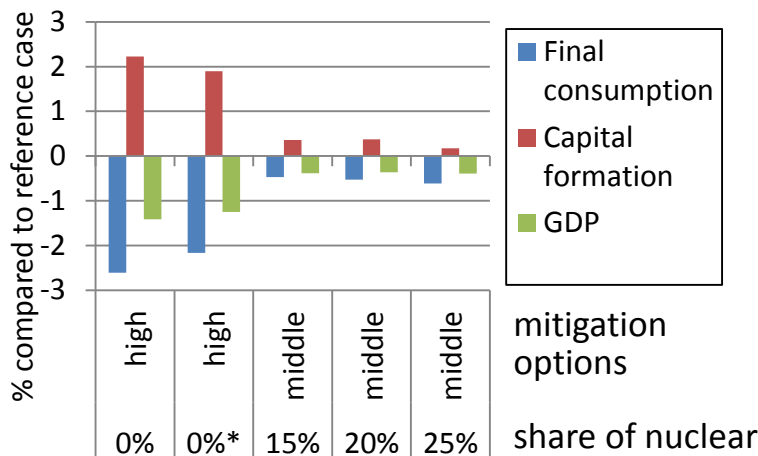
Contribution to Climate Policy in Japan



GHG emissions in 2030, Low growth case



Cumulative additional investment by 2020 and 2030

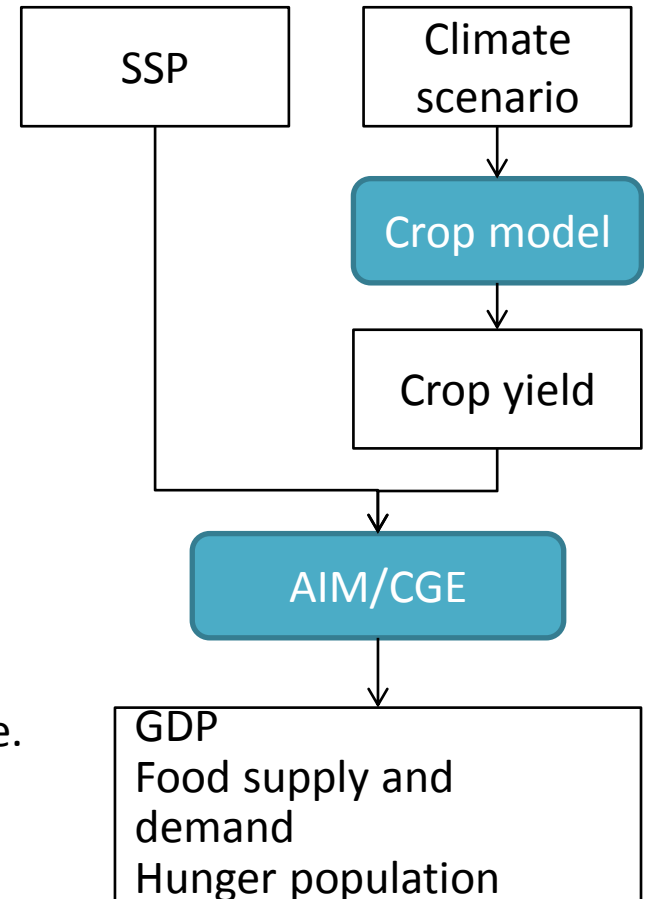
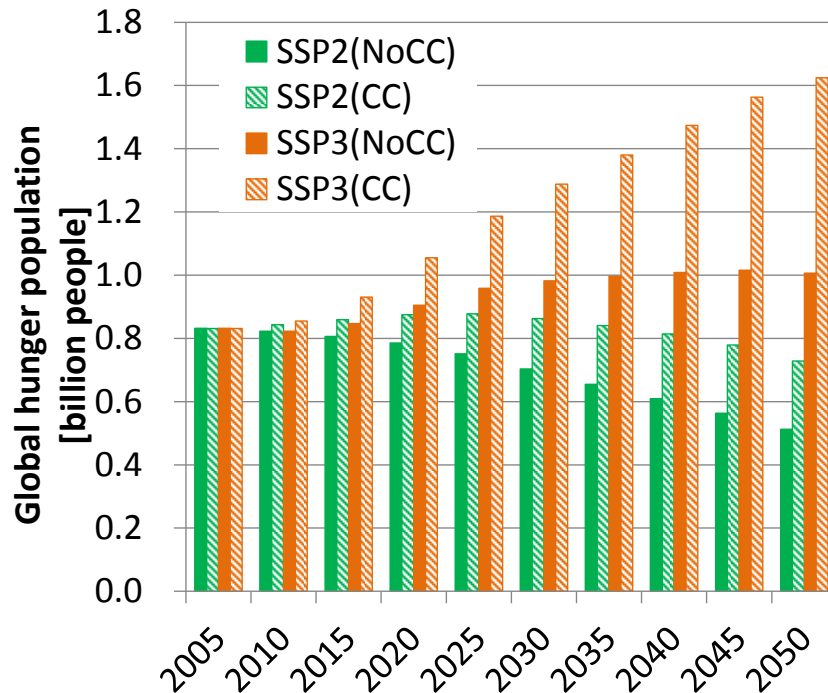


Macro economic impact compared to reference case in 2030, Low growth case

Activities in FY 2012 (2)

Development of long-term global scenarios

- Discussions on SSP (Shared Socio-economic Pathways) was started.
- Assessment of socio-economic condition, climate change impacts, and adaptation



“CC”: reflecting damages due to climate change in the future.

“NoCC”: assuming present climate condition in the future.

SSP2: society with medium mitigative/adaptive capacity.

SSP3: society with low mitigative/adaptive capacity.

Adaptation is taken into account except developing countries in SSP3.











Activities in FY 2012 (3)

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)
 - SSPs (Shared Socio-economic Pathways)
 - AgMIP (Agricultural Model Intercomparison and Improvement Project)
 - ISI-MIP (Inter-sectoral Impact Model Intercomparison 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 2012 (4)

Asia LCS Study: Ten Actions toward Low carbon Asia

- | | | | |
|--|---|---|---|
|  | Action 1 Urban Transport
Hierarchically Connected
Compact Cities |  | Action 6 Energy System
Low Carbon Energy System
Using Local Resources |
|  | Action 2 Interregional Transport
Mainstreaming Rail and Water in
Interregional Transport |  | Action 7 Agriculture & Livestock
Low Emission Agricultural
Technologies |
|  | Action 3 Resources & Materials
Smart Ways to Use Materials that
Realize the Full Potential of Resources |  | Action 8 Forestry & Land Use
Sustainable Forestry Management |
|  | Action 4 Buildings
Energy-Saving Spaces Utilizing
Sunlight and Wind |  | Action 9 Technology & Finance
Technology and Finance to
Facilitate Achievement of LCS |
|  | Action 5 Biomass
Local Production and
Local Consumption of Biomass |  | Action 10 Governance
Transparent and Fair Governance
that Supports Low Carbon Asia |

Activities in FY 2012 (5-1)

Model diffusion and model application toward LCS

Event title	Date	Venue	Organized by	Participants
Side Event on East Asia Low Carbon Growth Partnership Dialogue: East Asia Knowledge Platform for Low Carbon Growth	14 Apr., 2012	Tokyo, Japan	NIES, JICA, and IGES/LCS-RNet	116 participants from int'l organizations, private sector, and policy makers
Cambodia Workshop : Designing and establishing Cambodian Low Carbon Development Plan	29 May, 2012	Phnom Penh, Cambodia	Ministry of Environment of Cambodia, NIES and IGES/LCS-Rnet	60 participants from Cambodian government and other institutions
Workshop on Exploring Potential for Low Carbon Society in Vietnam	31 May, 2012	Hanoi, Vietnam	Institute of Strategy and Policy on Natural Resources and Environment (ISPONRE), Ministry of Natural Resource and Environment (MONRE) in the Government of Vietnam, JICA, NIES, Kyoto Univ., and IGES/LCS-RNet	70 participants from research institutes under Vietnamese government
AIM Training Workshop in Hanoi	31 May – 1 Jun., 2012	Hanoi, Vietnam	ISPONRE and NIES	15 participants from ISPONRE and other institutions
Workshop on Low Emission Development Scenarios of Energy Sector: Preliminary Result of AIM Exercises	6 Jun., 2012	Jakarta, Indonesia	JICA Indonesia Office, NIES, and National Council on Climate Change(DNPI)	45 participants from Indonesian governmental institutions including DNPI
ISAP2012: Low Carbon Asia Research Network (LoCARNet) Kick-off Meeting	23 Jul., 2012	Yokohama, Japan	IGES/LCS-RNet	30 participants from int'l organizations and research institutes

Activities in FY 2011 (5-2)

Model diffusion and model application toward LCS

Event title	Date	Venue	Organized by	Participants
AIM Training Workshop 2012	24 Jul.- 2 Aug., 2012	NIES, Tsukuba	NIES	About 30 participants. 17 trainees, 5 professors from outside Japan, 10 from Japanese AIM team
4th Annual Meeting of the LCS-RNet	17-18 Sept., 2012	Oxford, UK	UK Energy Research Centre (UKERC) and the UK Department of Energy and Climate Change, and IGES/LCS-RNet	70 participants from research institutes and policy makers
New Research Project on “Development of Asia Low-Carbon Strategy and Roadmap” The 1 st Kick off Meeting	15 Oct., 2012	Bangkok, Thailand	MOEJ, Kyoto University, MHIR, IGES/loCARNet, and NIES	4 gov. officials in Thailand, 1 gov. officials in Japan and 20 researchers from AIM project team in Japan and overseas
1st Annual Meeting of the LoCARNet	16-17 Oct., 2012	Bangkok, Thailand	TGO, JGSEE, APN, ADB, and MOEJ, and LoCARNet/IGES	120 participants from research institutes and policy makers
Roadmap towards Low Carbon Development in Asia	30 Oct., 2012	Tokyo, Japan	Ministry of the Environment of Japan, NIES, and IGES	about 200 participants
COP18 and CMP8 side event “Low Carbon Actions in Asia : Modeling to Bridge Science and Policy”	30 Nov., 2012	Doha, Qatar	NIES and Universiti Teknologi Malaysia (UTM)	about 130 participants
AIM Training Workshop 2012: follow-up	10-13 Dec., 2012	NIES, Tsukuba	NIES	6 trainees and 3 trainers

Agenda

- DAY 1
 - Session 1: Opening
 - Session 2 & 3: LCS Model
 - Session 4: Land use model
 - Session 5: Progress in Training Workshop
- DAY 2
 - Session 6 & 7: Impact studies
 - Session 8: Future Works
 - Session 9 & 10: Progress in AIM
 - Session 11: Closing
- DAY 3: Research Meeting
 - Indonesia (9:00-10:00)
 - Thailand (10:00-10:30)
 - Malaysia, Vietnam and Cambodia (10:30-11:00)
 - China (11:00-12:00)
 - India (13:00-14:00)
 - USA (on Land use modeling) (14:00-16:00)

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

Young Researcher Presentation Award

- **What?**
 - This award celebrates presentations delivered most impressively, effectively, and professionally by young speakers.
- **Who?**
 - Eligible: all speakers **under 40 years old**
 - Voter: **all participants** vote for the best presentation in this WS.
- **How to vote?**
 - Write the name of the best speaker on the voting sheet.
 - Submit the sheet into the box on the front table **before closing session**.
- **How to celebrate?**
 - **Three speakers** with the largest number of votes will be awarded.
 - They are announced in the closing session.

How to vote?

- Write the name of the best speaker in this box
- Submit the sheet into the box on the front table **before closing session**

Session No.	Name of the best speaker	Message to him/her

The 18th AIM International Workshop Young Researcher Presentation Award *Voting sheet*

Thank you for joining the 18th AIM International WS. We are pleased to introduce the "Young Researcher Presentation Award" from this WS. We would be pleased if you actively participate in this new program. Thank you.

What is Young Researcher Presentation Award?

Young researchers, the next generation leaders of AIM activities, need good skills in presenting their research achievements in international conferences. This award celebrates presentations delivered most impressively, effectively, and professionally by young speakers.

Who?

- Eligible: speakers under 40 years old on as of Dec.14th (listed on the backside page)
- Voter: all participants

What am I asked to do?

- Please vote for the best presentation in this WS.
- Note that good presentations do not necessarily mean those presented in good English and with quality, enthusiasm and commitment for research

further improve their research and presentation skill.

(in yourself) in the form below

will be invalid.

Also write it in the box below.

How to celebrate?

- Three speakers with the largest number of votes will be awarded.
- Their name will be announced in the AIMWS web site.

Session No.	Name of the best speaker	Message to him/her