

Activity in FY2013-2014 and research plan in FY2015

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The 20th AIM International Workshop

NIES, Tsukuba, Japan

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This workshop is supported by S-12-2, 2-1402 and 2-1404 of Environment Research and Technology Development Fund of the Ministry of the Environment, Japan, SATREPS, JCM, and Climate Change Research Program in NIES.



Main research projects in FY2014

Since FY 2014

1. New scenario development for Japan and the world (2-1402, ERTDF MOEJ) by Dr. Ashina, Dr. Fujimori, Dr. Kanamori, Dr. Kawase, Mr. Hibino, Mr. Oshiro, ...
2. SLCP and local enduse model development (S-12-2, ERTDF MOEJ) by Dr. Hanaoka, Mr. Hibino, Mr. Fujiwara, Prof. Kurata, ...
3. Local scale model and scenario development in Japan (2-1404, ERTDF MOEJ) by Dr. Gomi, Dr. Ashina, Dr. Ooba, ...
4. Monitoring energy demand and technology assessment in specific sectors by Dr. Ashina, Mr. Hibino, ...

Continued

1. Capacity building and model deployment (JCM: Joint Crediting Mechanism) by Mr. Fujiwara, Mr. Hibino, Prof. Matsuoka, Dr. Fujino, ...
2. Low carbon scenario development and implementation in Iskandar Malaysia (SATREPS) by Prof. Matsuoka, Dr. Fujino, ...
3. Global risk assessment due to the climate change (S-10, ERTDF MOEJ) by Dr. Takahashi, Dr. Fujimori, Dr. Hanasaki...
4. Assessment of climate change impacts and adaptations in Japan and Asia (S-8, ERTDF MOEJ) by Dr. Hijioka, Dr. Takahashi, ...

Agenda of the 19th AIM International Workshop

- Session 1: Opening session,
- Session 2: INDC session,
- Session 3: Poster session and voting for the best poster,
- Session 4: JCM session,
 - Photo Break
- Session 5: Local modeling session,

- Session 6 & 7: Impact and adaptation sessions,
- Session 8: Special session toward new direction,
- Session 9 & 10: Modeling progress sessions, and
- Session 10: Closing session

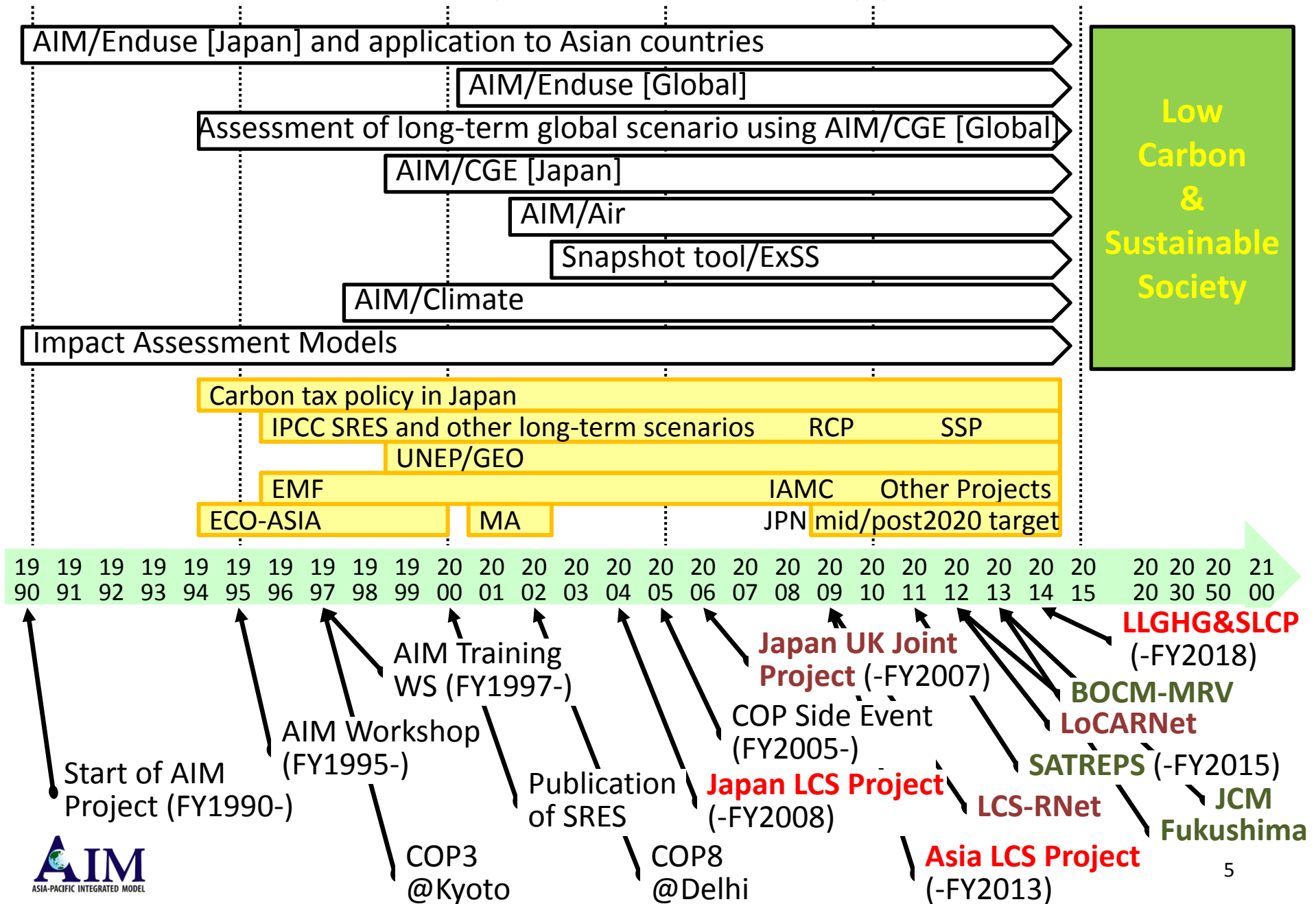
Asia-Pacific Integrated Model (AIM)

Asia-Pacific Integrated Model (AIM) is an integrated assessment model to assess mitigation options to reduce GHG emissions and impact/adaptation to avoid severe climate change damages. The model is extended to sustainable development with Asian researchers.
<http://www-iam.nies.go.jp/aim/>

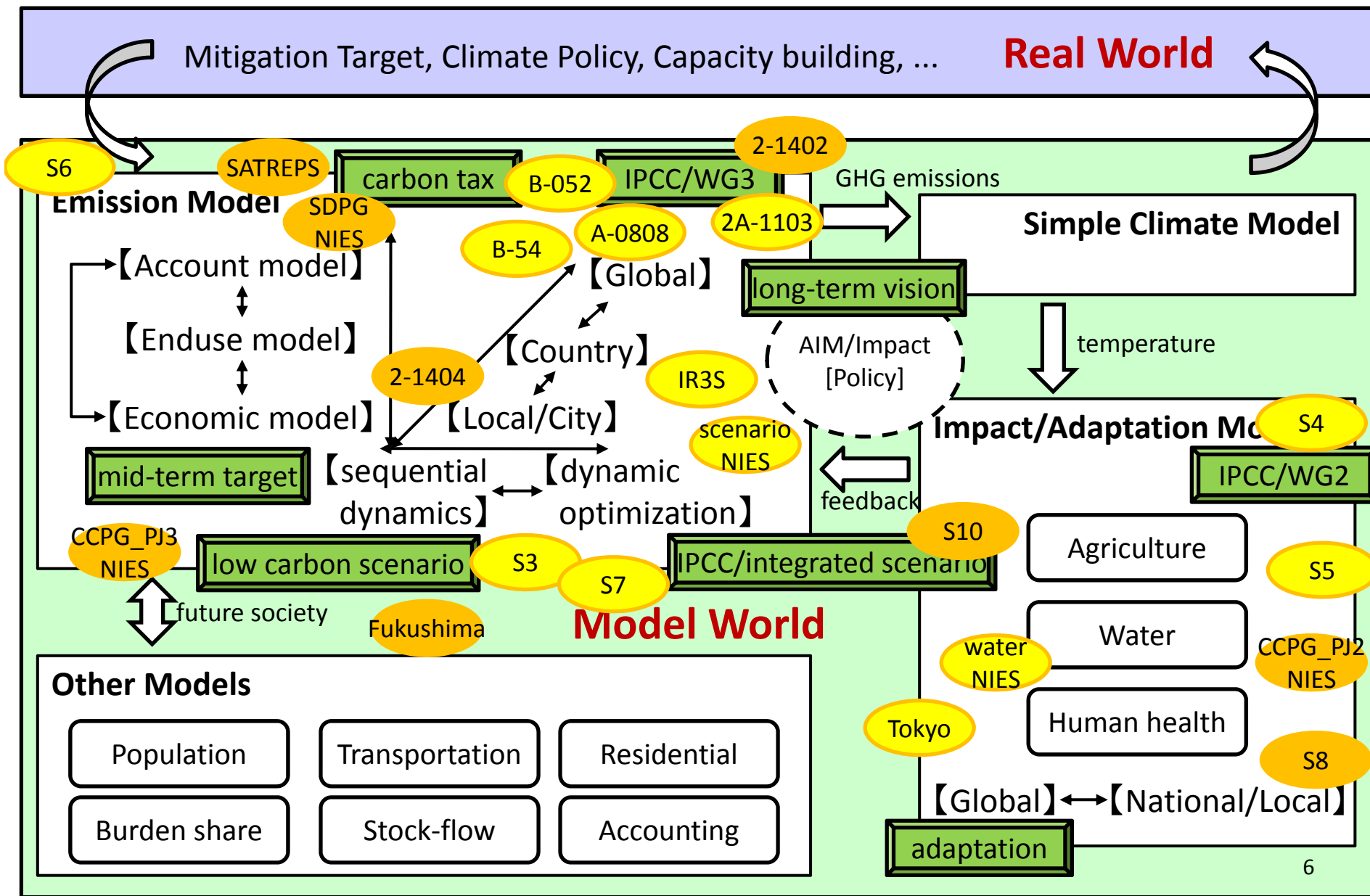


at the 19th AIM International Workshop in 2013

Brief History of AIM and its application



Contents of Present AIM



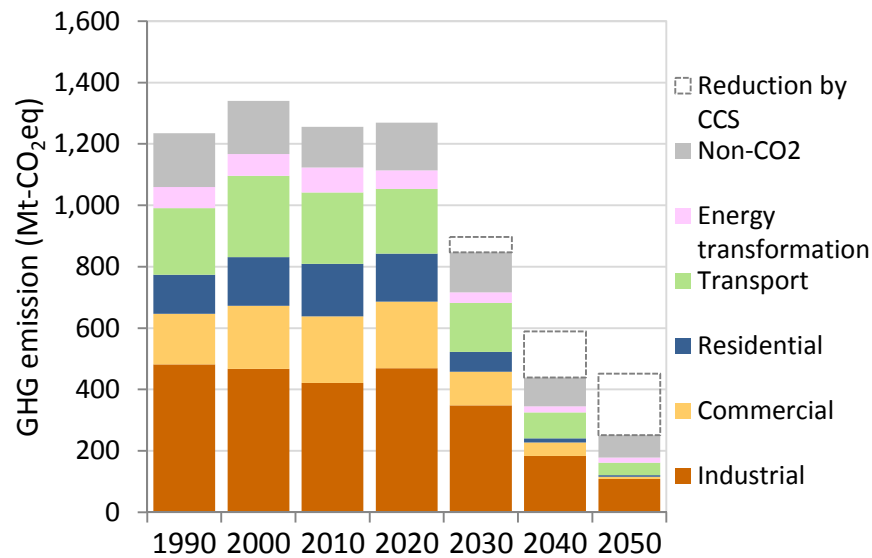
International Research Projects in FY 2014

- Quantification of SSPs
- ADVANCE project
- IAMC
- MIP (models intercomparison projects)
- DDPP: Deep Decarbonization Pathways Project
 - Indonesia and India teams also join.
- MILES: Modeling and Informing Low Emission Strategies
 - China, India (and Indonesia) teams also join.
- Support of LCSRNet and LoCARNet with many AIM members.
- Policy dialogues under JCM.
- Side events at COP20.



Result of DDP Japan using Multi-region AIM/Enduse Japan

- How to realize the drastic GHG emission reduction in Japan (80% reduction in 2050 compared to 1990 level)
- <http://www.unsdsn.org/what-we-do/deep-decarbonization-pathways/>



GHG emissions in Japan

Source) K. Oshiro, 2014



DDPP seminar introducing Japan's results was held on October 7 in Tokyo.

Capacity building on Enduse & CGE, JCM

Training Workshop at NIES, Oct 27-Nov 7, 2014



Targets in FY 2015

- In FY2015, many research projects are on the way.
 - **【Academic Aspect】**
This means the time when each model will have to be promoted/sophisticated toward the goal!
- This year will be very important to achieve the 2 degree target.
 - **【Policy Aspect】**
Implementation of model will become more important!