#### Overall activities in FY 2018-2019

#### Toshihiko MASUI

National Institute for Environmental Studies

The 25th AIM International Workshop Ohyama Memorial Hall, NIES, Japan November 18, 2019





# Welcome the 25th AIM International Workshop!





# The 25th AIM International Workshop, Agenda

#### Day 1 (November 18)

Session 1: Opening

Session 2: Climate Mitigation in Asia

Photo session and Lunch

Session 3: Global Sustainability

Session 4: Nation-scale Impact and Adaptation Research

Session 5: Poster and reception

#### Day 2 (November 19)

Session 6: Climate Mitigation in Asia and Africa

Session 7: Research on Climate Mitigation at NIES

Lunch

Session 8: Discussion on Low Carbon Development Strategy and Stakeholder Dialogue

Session 9: Discussion on research collaboration among Asian countries

Session 10: Closing

Dinner



#### Discussions at Session 8 & 9

- Session 8: Discussion on Low Carbon Development Strategy and Stakeholder Dialogue
  - How to proceed activities on model implementation.
- Session 9: Discussion on research collaboration among Asian countries
  - How to collaborate among the AIM team and proceed new research topics.



### Open symposium:

#### Toward Decarbonized Society from Low Carbon Society

- Venue: TKP Gardencity Premium Akihabara, Tokyo
- Date: 14:00 17:00, November 20, 2019

#### Program

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14:00	Welcome Address (Mr. Mobuhiro Kino; MOEJ, Japan)
14:05	Purpose of this symposium (Dr. Toshihiko Masui; NIES, Japan)
14:10	Keynote speech (1): Activities of IPCC toward AR6
	(Prof. P. R. Shukla; IPCC, WGIII)
14:30	Keynote speech (2): The transition to 1.5 (Dr, Jae Edmonds (PNNL, USA)
14:50	Keynote speech (3): Activities to realize decarbonization in Japan
	(Mr. Go Hibino; MHIR, Japan)
15:10	Break
15:20	Panel Discussion
	Short presentation 1 (Dr. Kiyoshi Takahashi; NIES, Japan)
	Short presentation 2 (Prof. Kejun Jiang; ERI, China)
	Short presentation 3 (Prof. Bundit Limmeechokchai; SIIT-TU, Thailand)
	Short presentation 4 (Prof. Rizaldi Boer; IPB, Indonesia)
	Prof. P. R. Shukla; Dr, Jae Edmonds; Mr. Go Hibino
16:55	Closing address (Dr. Tsuyoshi Fujita; NIES, Japan)

# The 25th AIM International Workshop

 Quarter of a century has already passed.

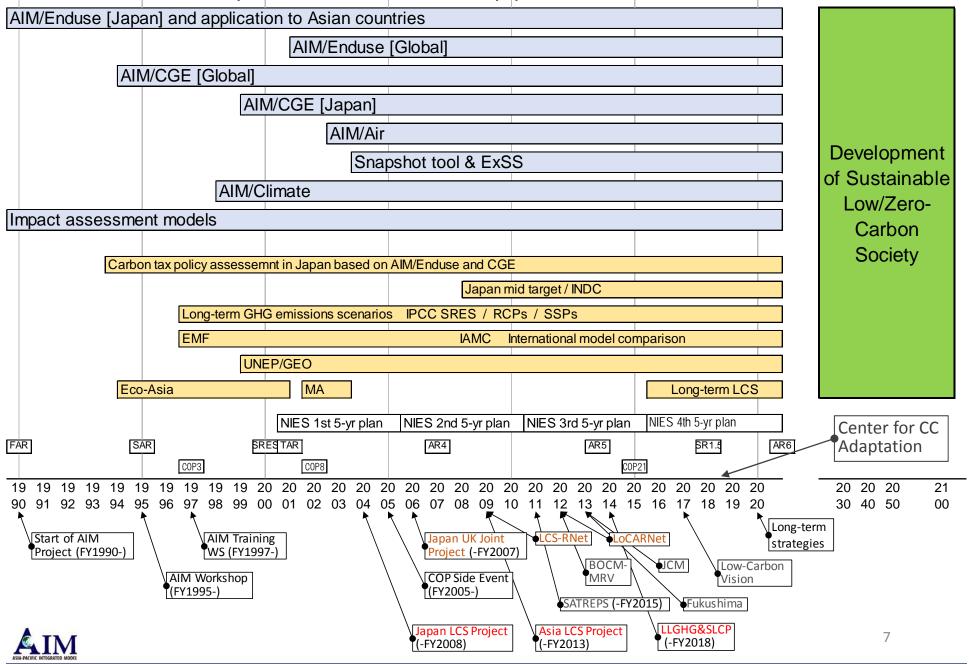




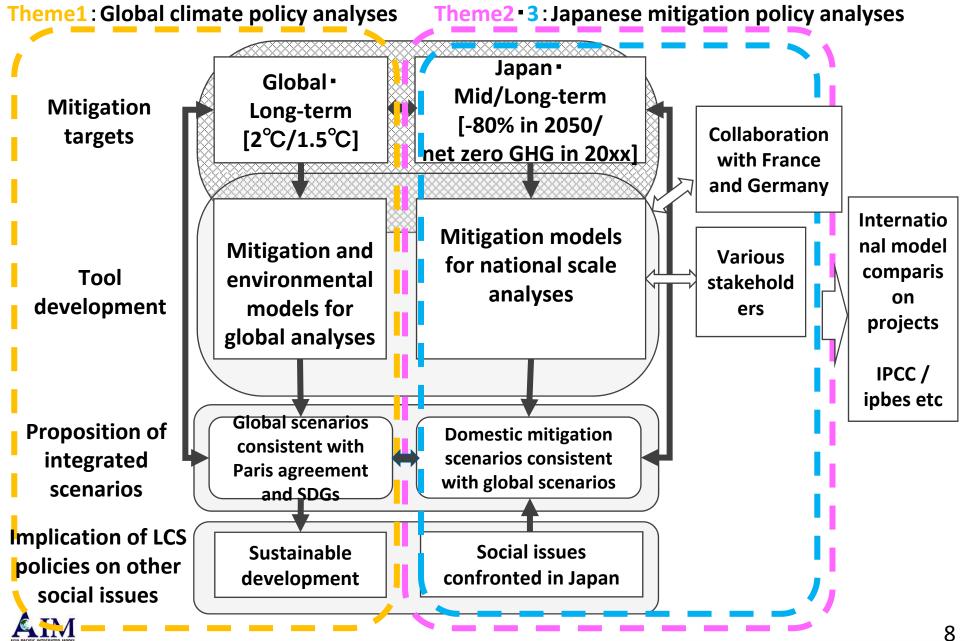




Brief History of AIM and its application



# Integrated Analyses of Climate Policies for Simultaneous Realization of the Paris Agreement and the SDGs (ERTDF 2-1702)



Assessment of Further Reduction of GHG Emissions in Asian Countries and Benefit to Japan by Assisting their Reduction Efforts (ERTDF 2-1908) Env. Basic Plan tuture Investment Sub 1 Technology Transfer **Benefit** Strategy Foreign Direct Investment to Japan JAPAN Provision of GHG reduction credits (including JCM) [CGE model] Environmental quality improvement Export of ene-saving goods Countries in Asia [ExSS & CGE model] Effort of Japan Lifestyle change, Industrial structure change, Service demand to global GHG THA **IDN** emission reduction Assessment of Increased  $^{\prime}$  2/1.5 $^{\circ}$ C target Synergy & trade-off CHN target GHG Long-term low macroeconomy Air pollution, solid IND reduction carbon development Assessment of wastes, land use, etc. **VNM** in 2030 reduction strategies in 2050 [Model improvement] GHG reduction **MYS** potential **BTN** by assistance to Information collection and discussion on simulation results with experts in each country activities in Asia Enduse model Sub 2 Goals of this research: Change of GHG GHG emission Quantification of emission factors reduction target •Contribution to achieve 2°C target by introducing Benefits to Japan in Asian countries Sustainable development advanced corresponding to by reinforcement of GHG reduction efforts technologies 2/1.5°C target in Asian countries Global GHG emission pathways to achieve 2/1.5°C target [Global CGE model]

### Training workshops since 24th AIM International Workshop

- India: Enduse
  - hosted by MANIT (Bhopal)
  - 2018/12/3-12/7

- China: Enduse
  - hosted by BUAA (Beijing)
  - 2019/6/27-7/4
  - back-to-back BUAA-NIES Bilateral Workshop on Integrated Assessment of Health Co-benefits of Climate Change Mitigation Policy







## Policy dialogue

- AIM team supported policy dialogues in Asia.
  - Thailand (following photos), Indonesia, Lao, ...





 At LCS-RNet in Rome and LoCARNet in Beijing, we discussed how to communicate with policy makers and other stakeholders.



# Let's discuss our future research topics, policy dialogue, model training, etc. toward low/zero carbon society during the workshop.

