

AM, It's Evolution and Prospects

AIM Morita Memorial Symposium
October 4th, 2003

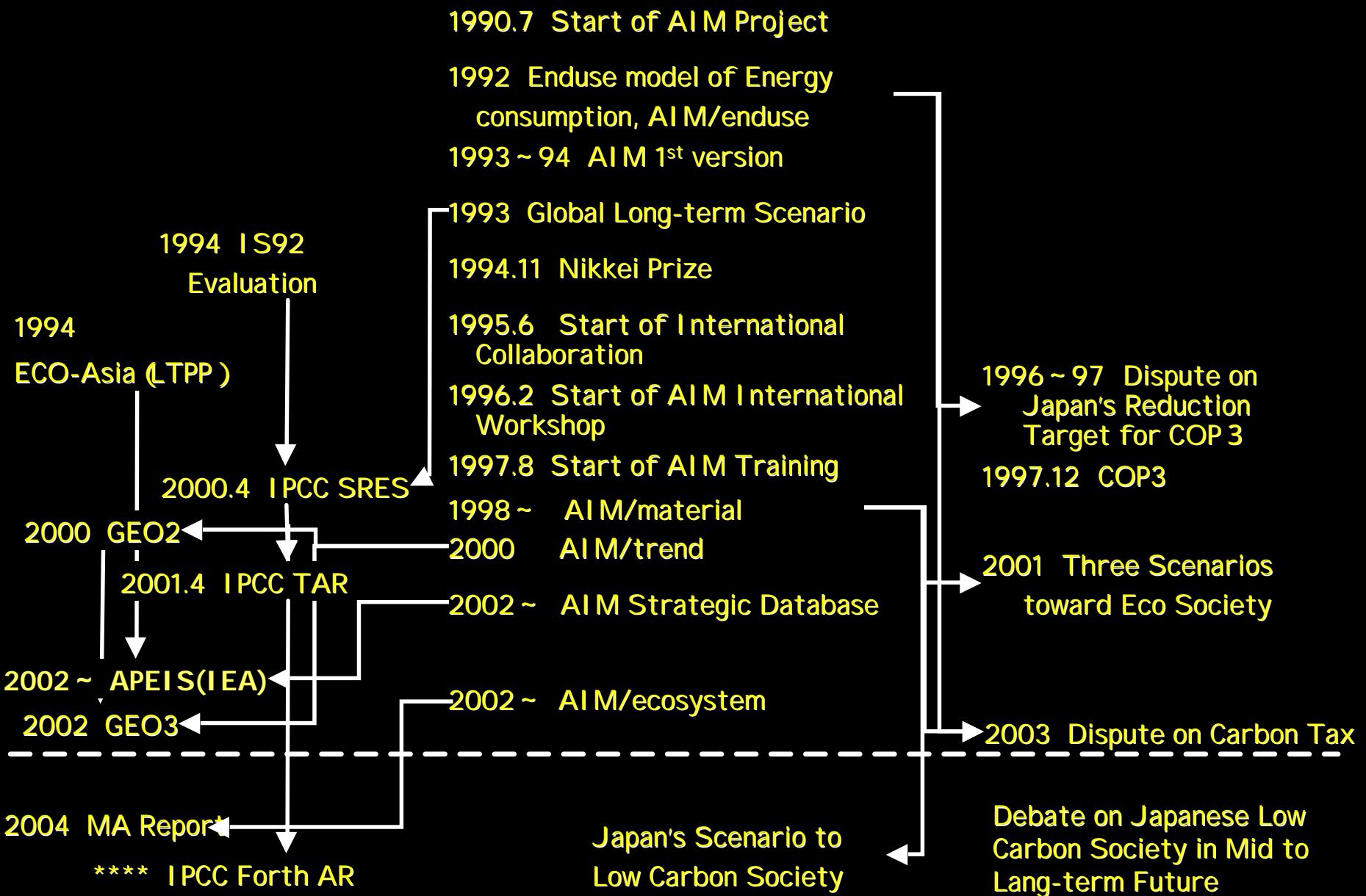
On behalf of AIM Japan Team

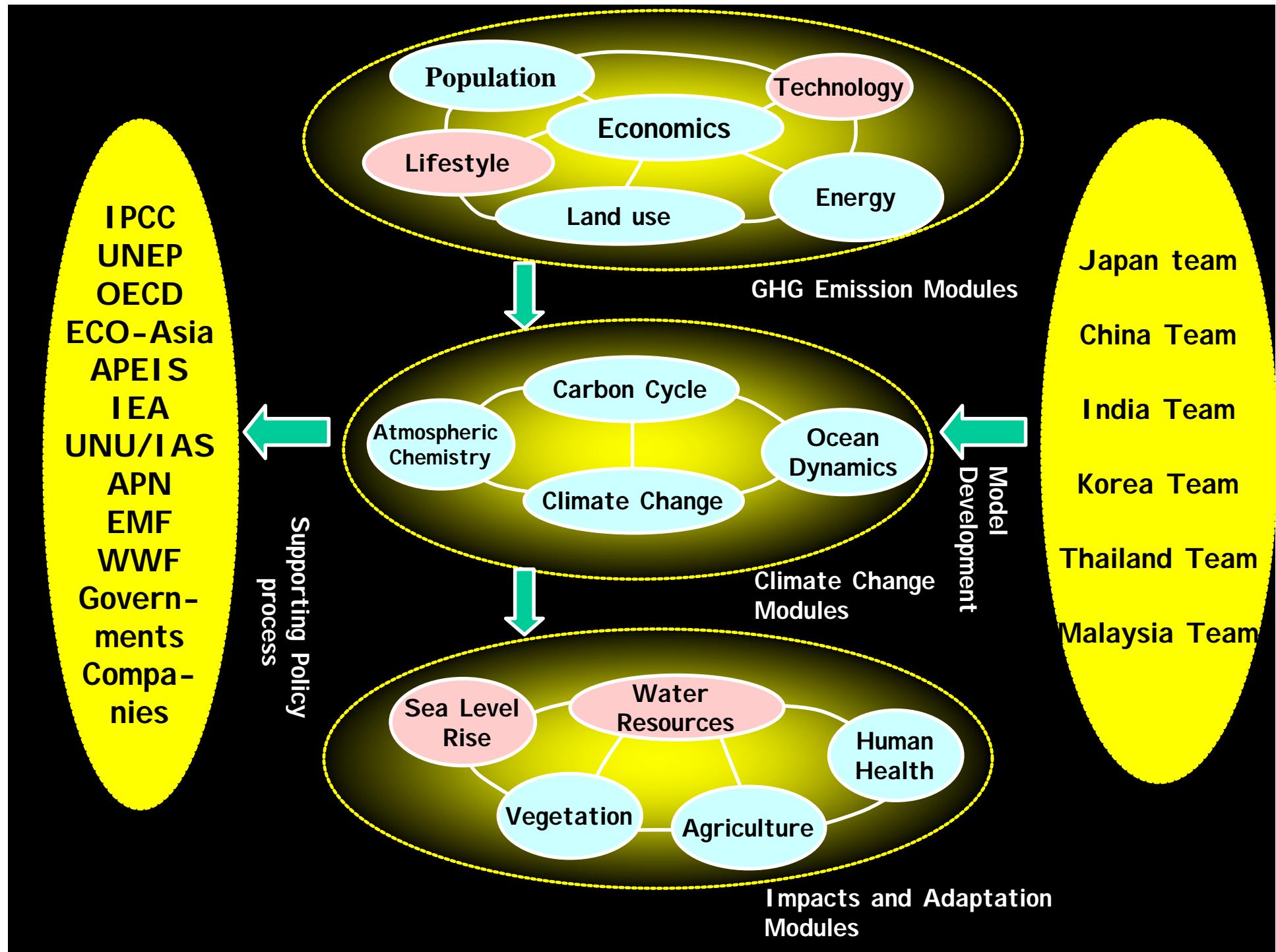
Yuzuru Matsuoka

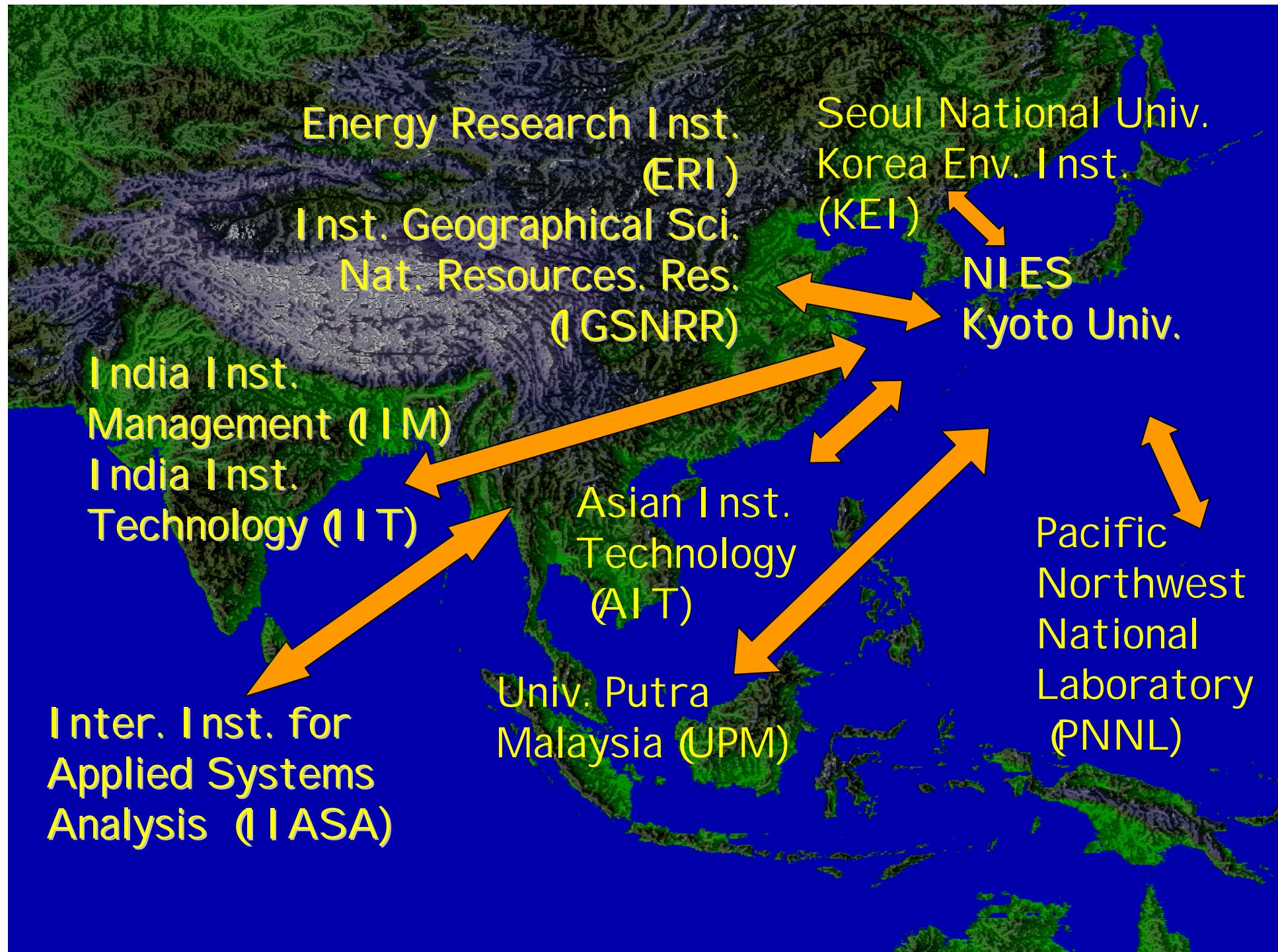
Professor

Chair of Integrated Assessment Modeling
Graduate School of Global Environmental Studies
Kyoto University

AIM, Past and Future







AIM International Workshop

- First (1996.2) →
- Second (1997.3)
- Third (1998.3)
- Fourth (1999.3)



- Fifth (2000.3)
- Sixth (2001.3)
- Seventh (2002.3)
- Eighth (2003.3) ←

AIM Training and Capacity Building Workshop

1st CHINA Workshop of AIM Modeling,
1997.8, Beijing, China

IPCC Asia-Pacific Workshop on IAM,
1997.3, Tokyo, Japan.

1st INDIA Workshop of AIM Modeling,
1998.3, Ahmedabad, India



The AIM Training Workshop 2002,
2002.9, Tsukuba, Japan

APEIS Capacity Building Workshop on
Integrated Environment
Assessment in Asia-Pacific Region,
October 24-26, 2002.10, Delhi,
India

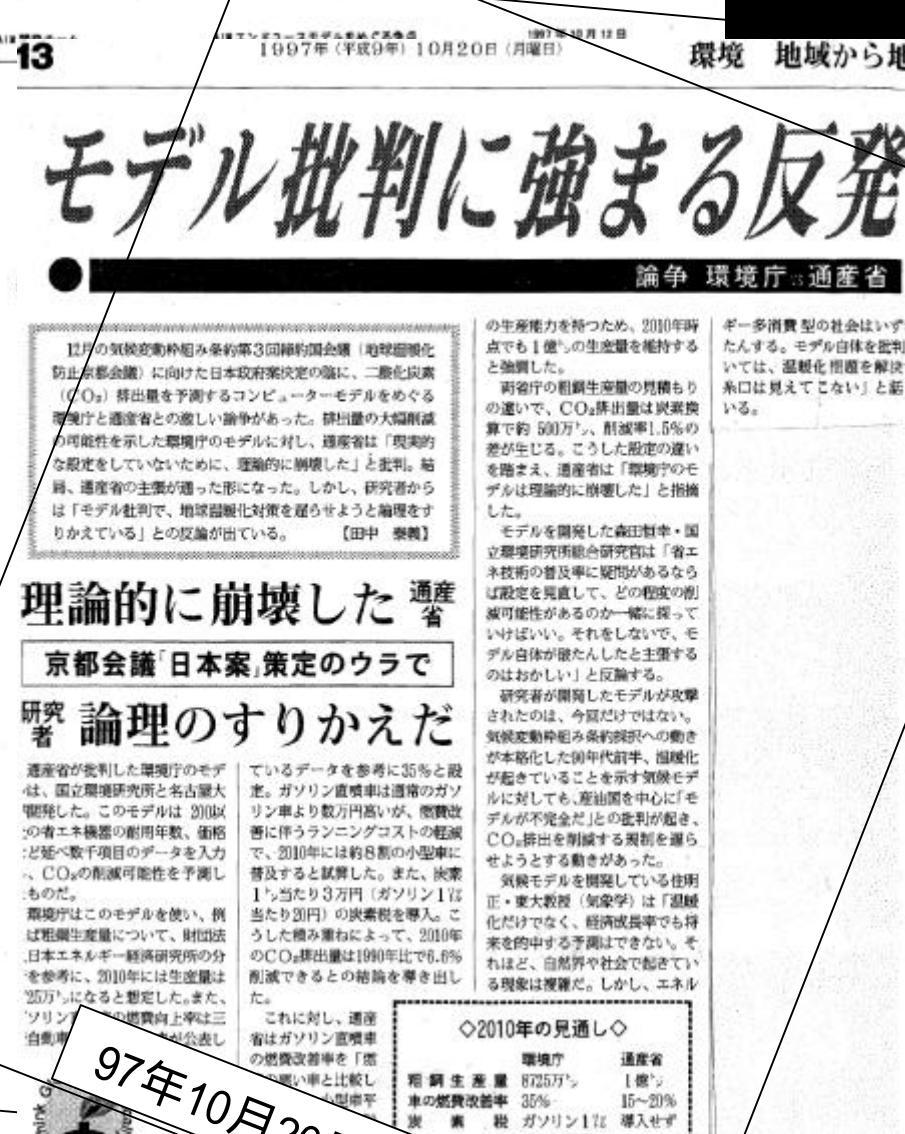
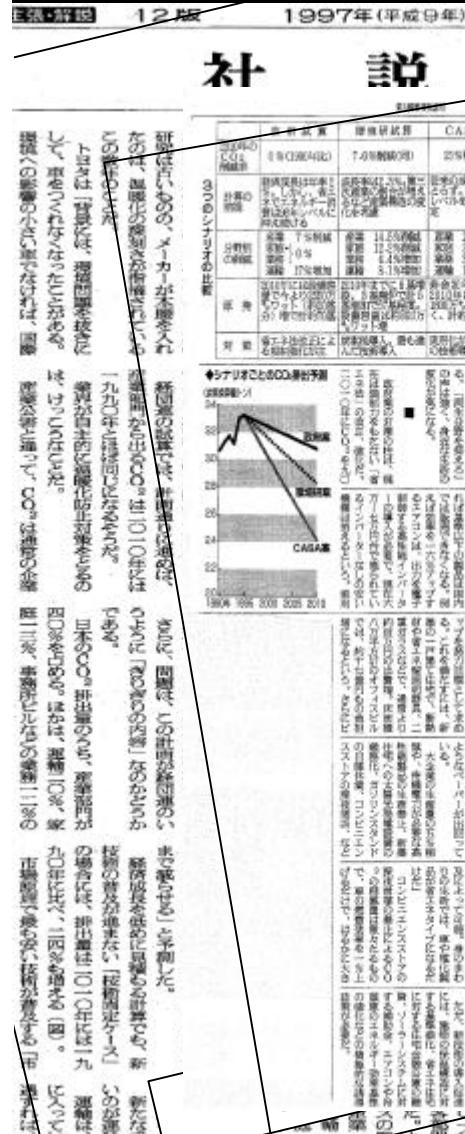


2nd CHINA Workshop of AIM Modeling,
1998.10, Beijing, China

2nd INDIA Workshop of AIM Modeling,
1999.2, Ahmedabad, India



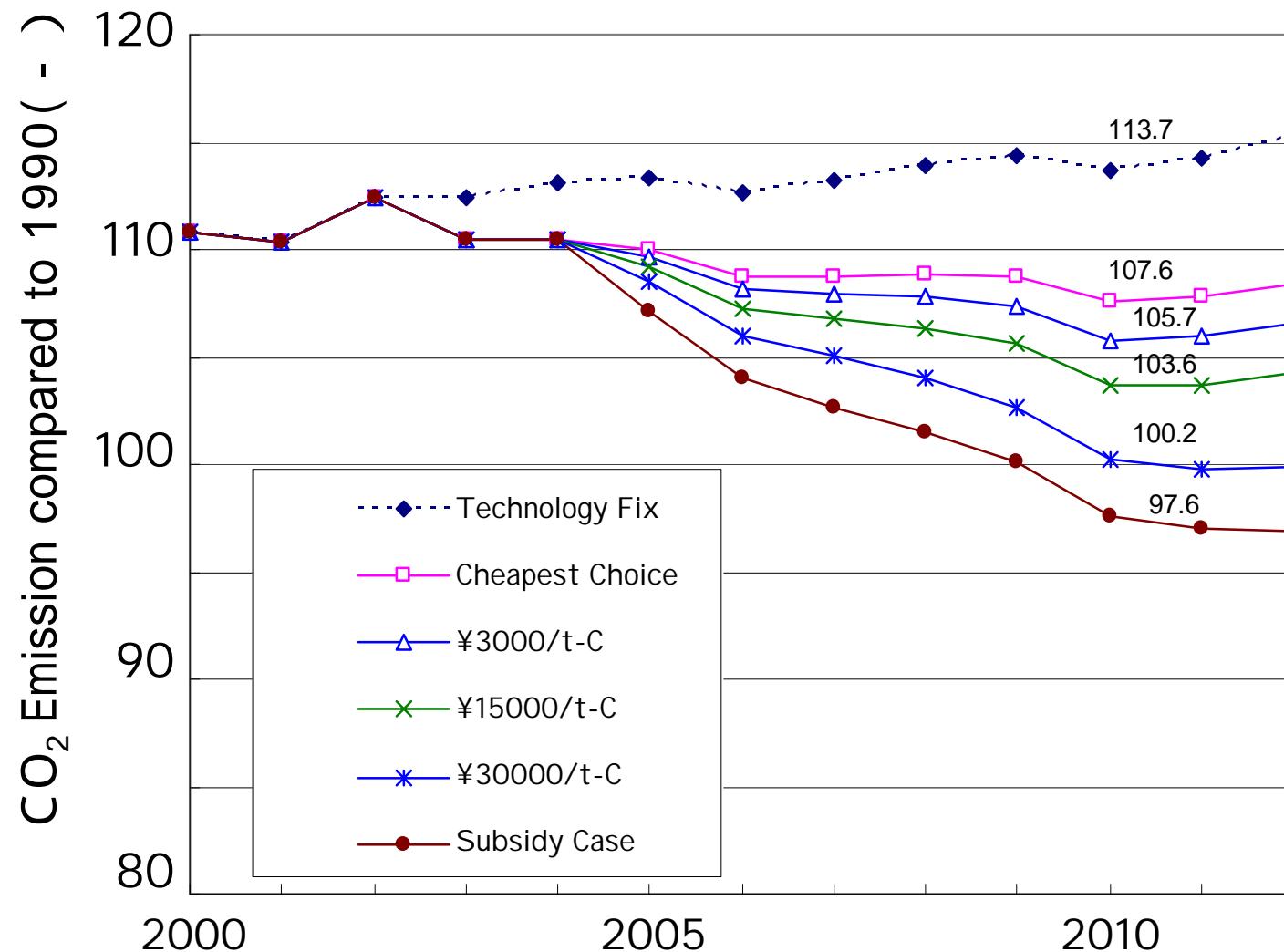
Dispute on Japan's Reduction Target for COP 3 (Projection with AIM/enduse, 1997)



◇2010年の見通し◇

環境省	通産省
総生産量	1億t
車の燃費改善率	35%
炭素税	ガソリン1t導入せざ

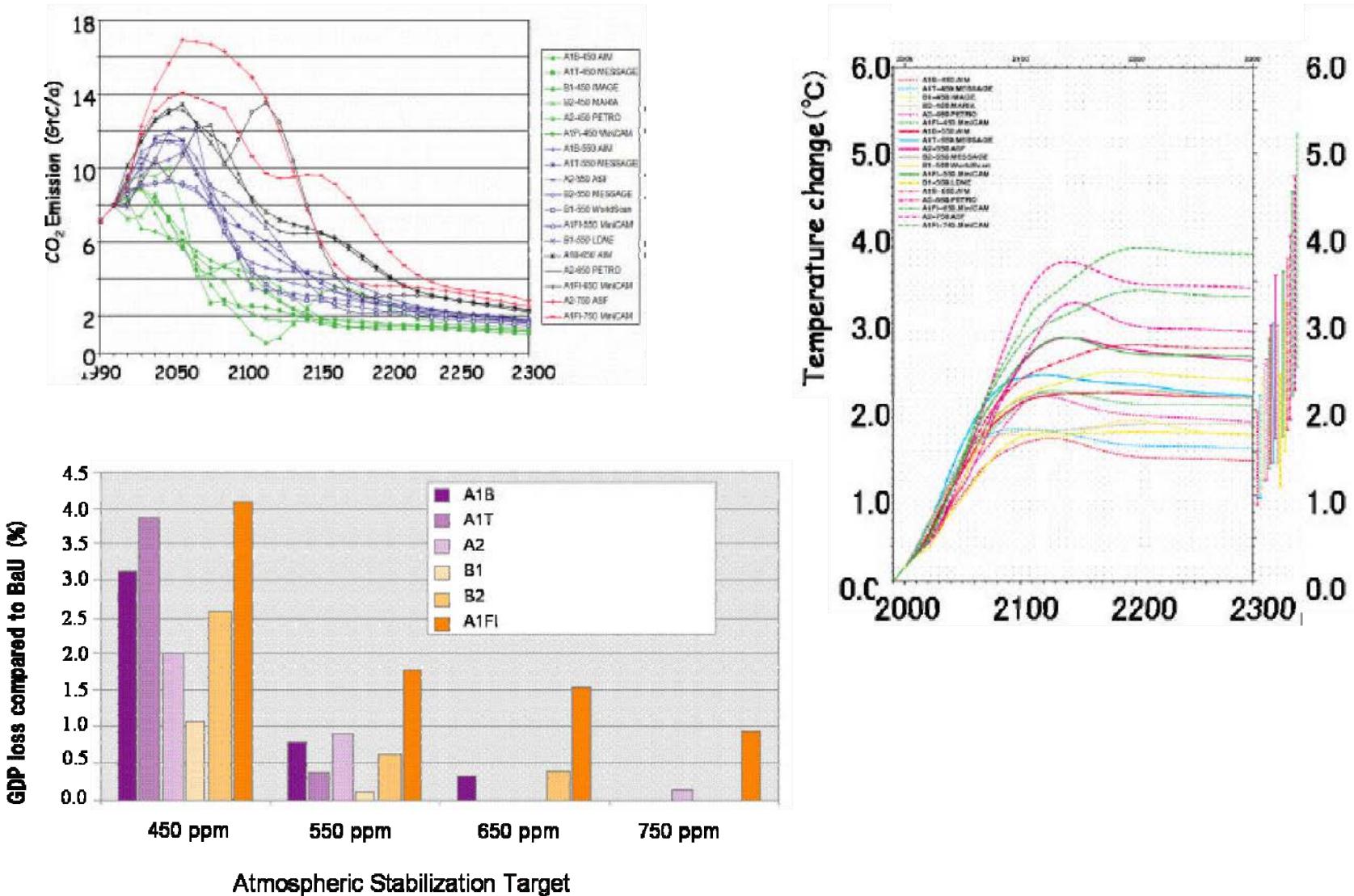
Carbon Tax Rate and Required additional Investments for Japan's "Outline for Promotion of Efforts to Prevent Global Warming" (AM/enduse, 2003)



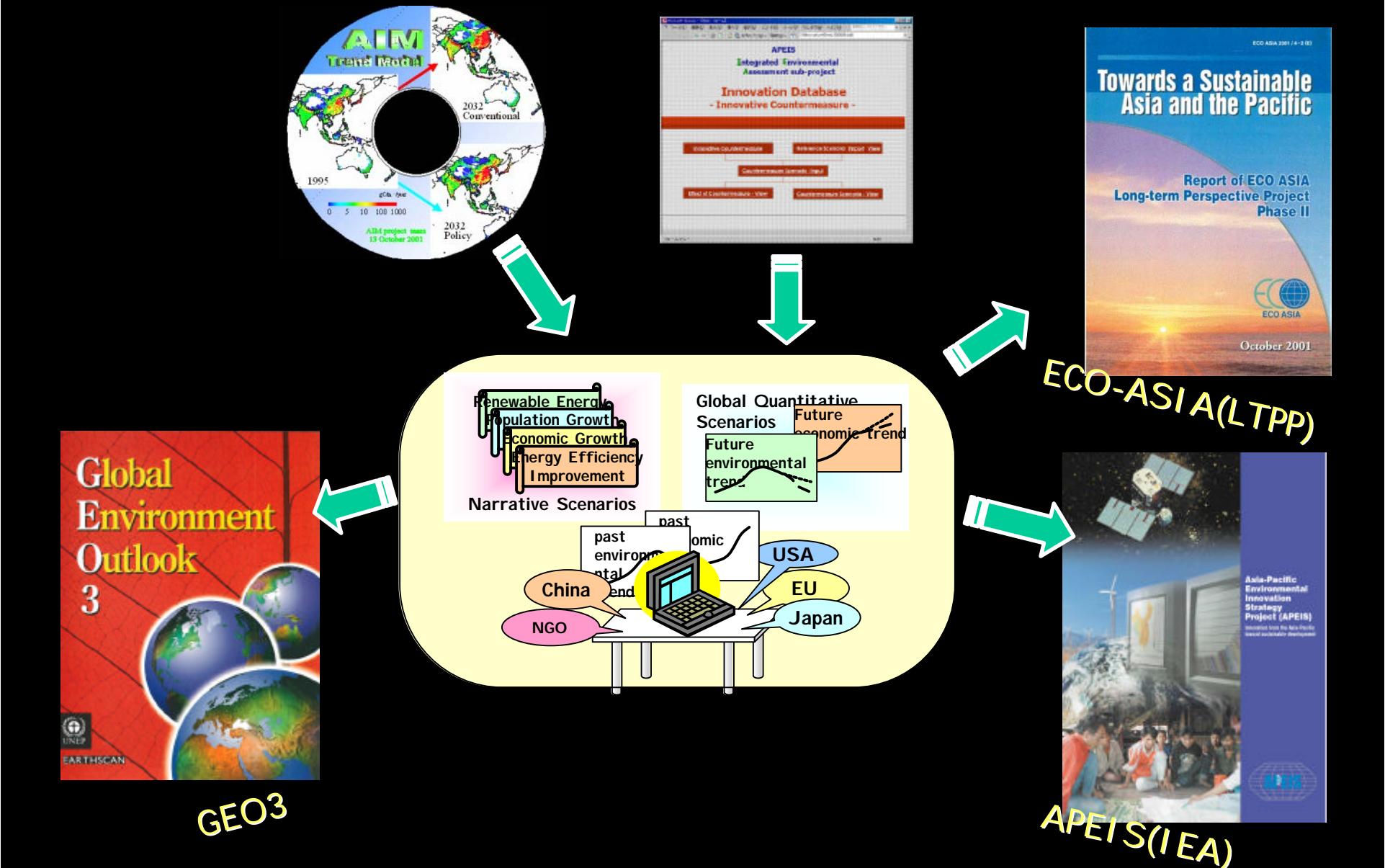
Carbon Tax Rate and Required additional Investments for Japan's "Outline for Promotion of Efforts to Prevent Global Warming" (AM/enduse, 2003)

Sector	Subsidized measures and devices	Additional investments Billion US\$/a
Industry	Boiler conversion control, High performance motor, High performance industrial furnace, Waste plastic using blast furnace, LDF with closed LDG recovery, High efficiency continuous annealing lines, Diffuser bleaching device, High efficiency clinker cooler, Biomass power generation	0.68
Residential	High efficiency air conditioner, High efficiency gas stove, Solar water heater, High efficiency gas cooking device, High efficiency television, High efficiency VTR, Latent heat recovery type water heater, High efficiency illuminator, High efficiency refrigerator, Standby electricity saving, Insulation	2.36
Commercial	High efficiency electric refrigerator, High efficiency air conditioner, High efficiency gas absorption heat pump, High efficiency gas boiler, Latent heat recovery type boiler, Solar water heater, high efficiency gas cooking device, High frequency inverter lighting with timer, High efficiency vending machine, Amorphous transformer, Standby electricity saving, Heat pump, Insulation	1.30
Transport	High efficiency gasoline private car, High efficiency diesel car, Hybrid commercial car, High efficiency diesel bus, High efficiency small-sized truck, High efficiency standard-sized truck	0.71
Forest management	Plantation, weeding, tree thinning, Multilayered thinning, Improvement of natural forest	1.30
Total		6.35
Tax rate	Tax rate to appropriate required subsidiary payments (in US\$/t-C)	22.89

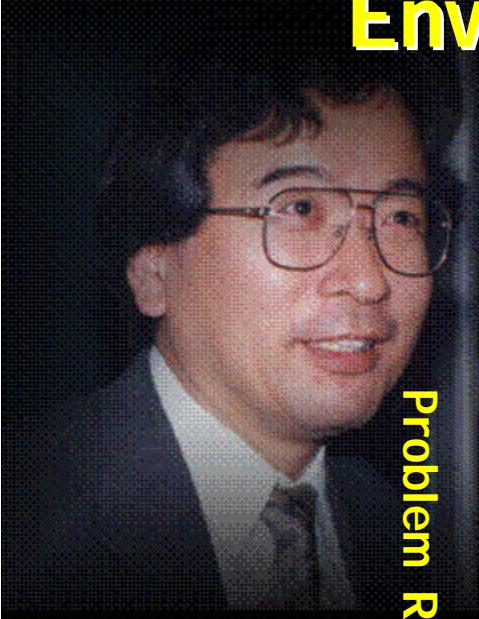
Emission Path to Atmospheric Stabilization



AIM as Interactive Participatory Tool



Environmental Policy Process and Integrated Assessment



Problem Recognition

