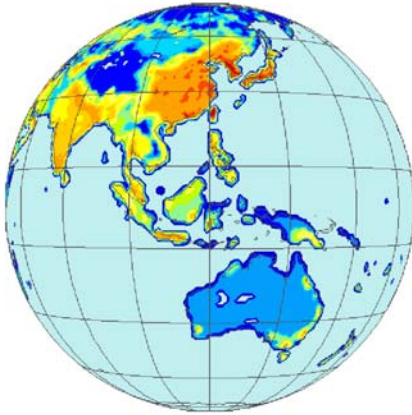




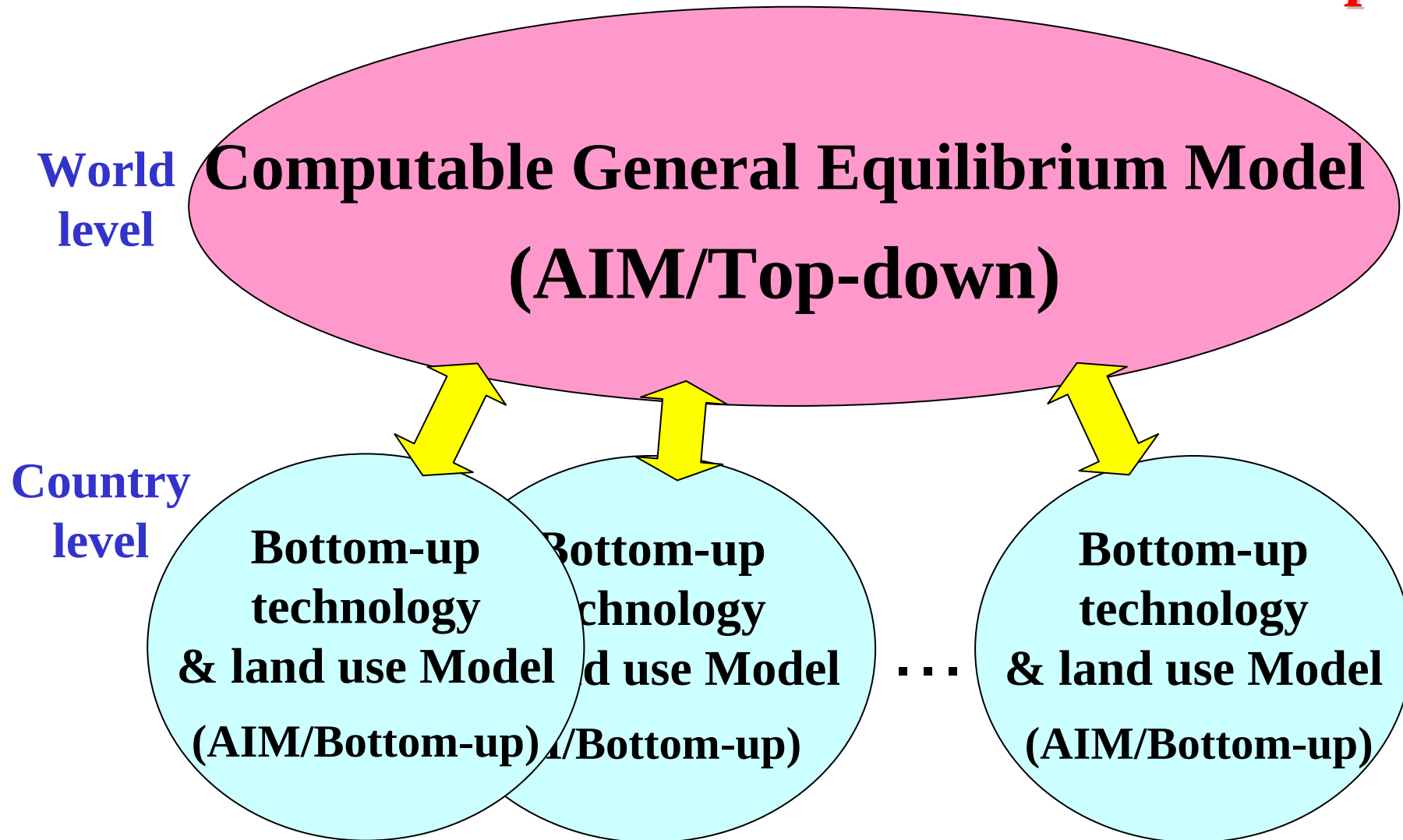
**APEIS Capacity Building Workshop on
Integrated Environment Assessment
in the Asia Pacific Region
October 24-26, 2002
Hotel Grand Inter-Continental,
New Delhi**

AIM/Emission Model

Mikiko Kainuma

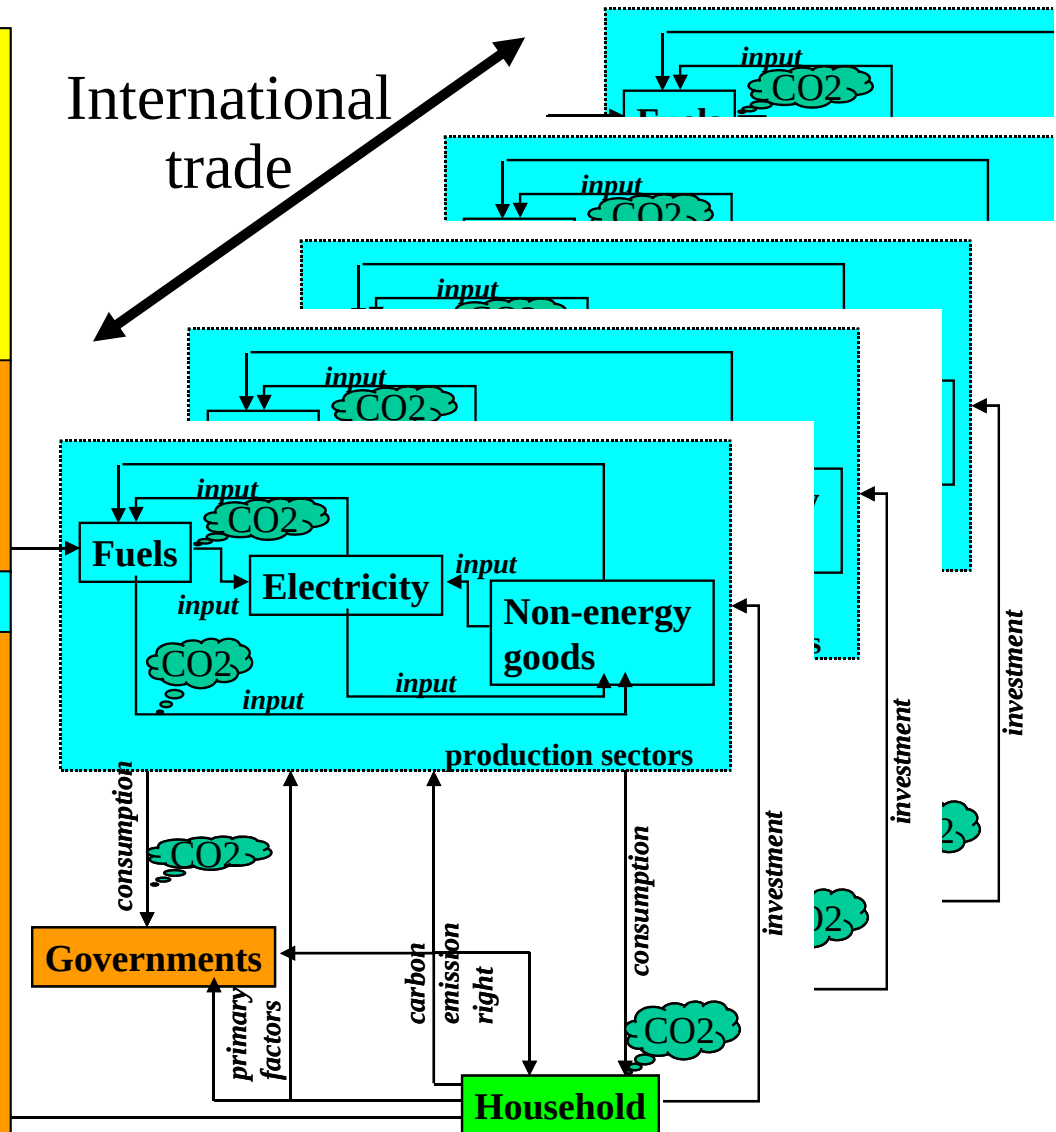
National Institute for Environmental Studies

Development of AIM/Top-down & AIM/Bottom-up



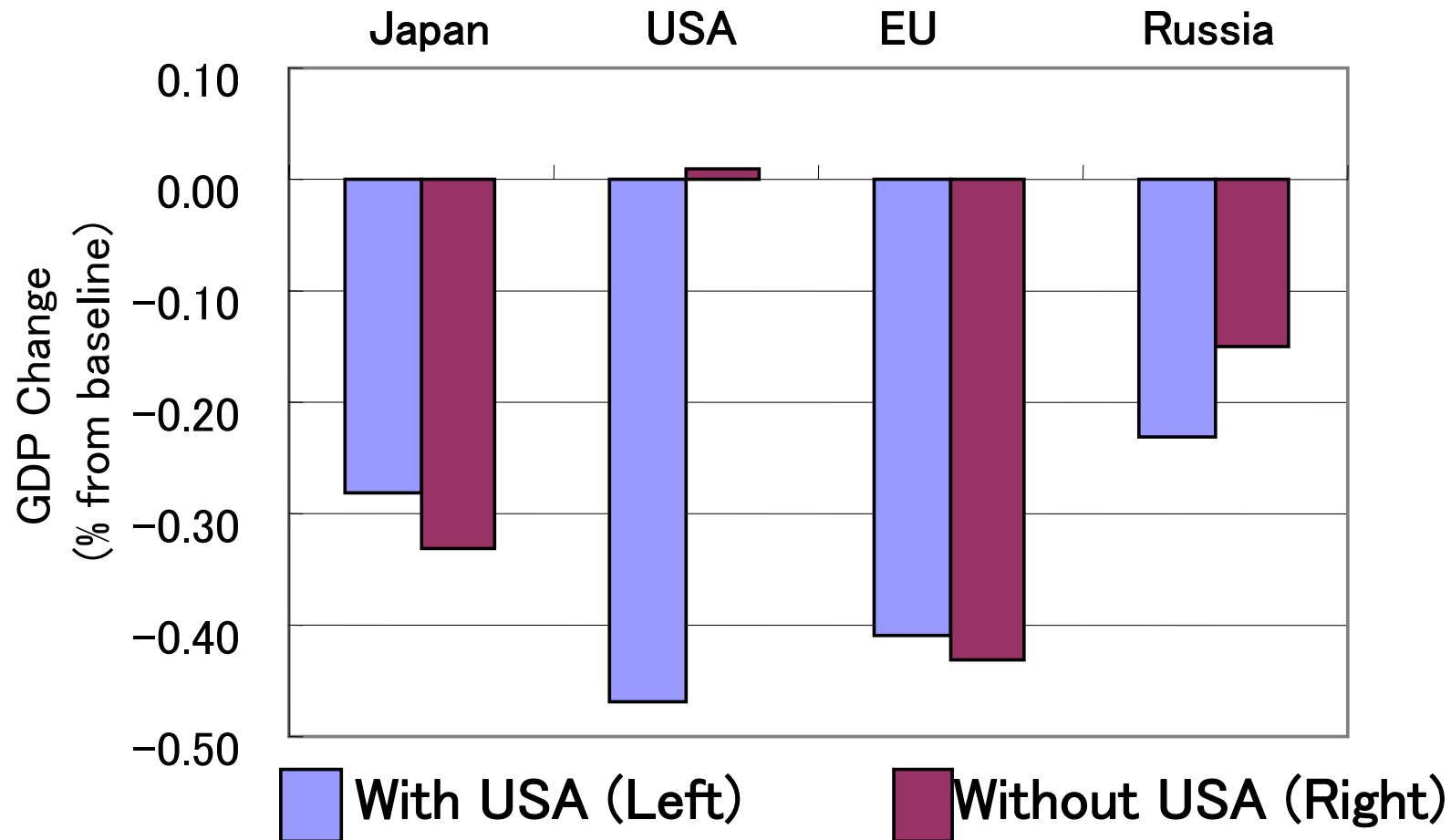
Regional Aggregation

JPN	Japan
AUS	Australia
NZL	New Zealand
USA	United States of America
CAN	Canada
EUR	Western Europe
TWN	Chinese Taiwan
KOR	Republic of Korea
HKG	Hong Kong
SGP	Singapore
FSU	Former Soviet Union
CHN	China
IDI	India
IDN	Indonesia
MYS	Malaysia
PHL	Philippines
THA	Thailand
LAM	Latin America
MEA	Middle East and North Africa
SSA	Sub Saharan Africa
ROW	Rest of the World

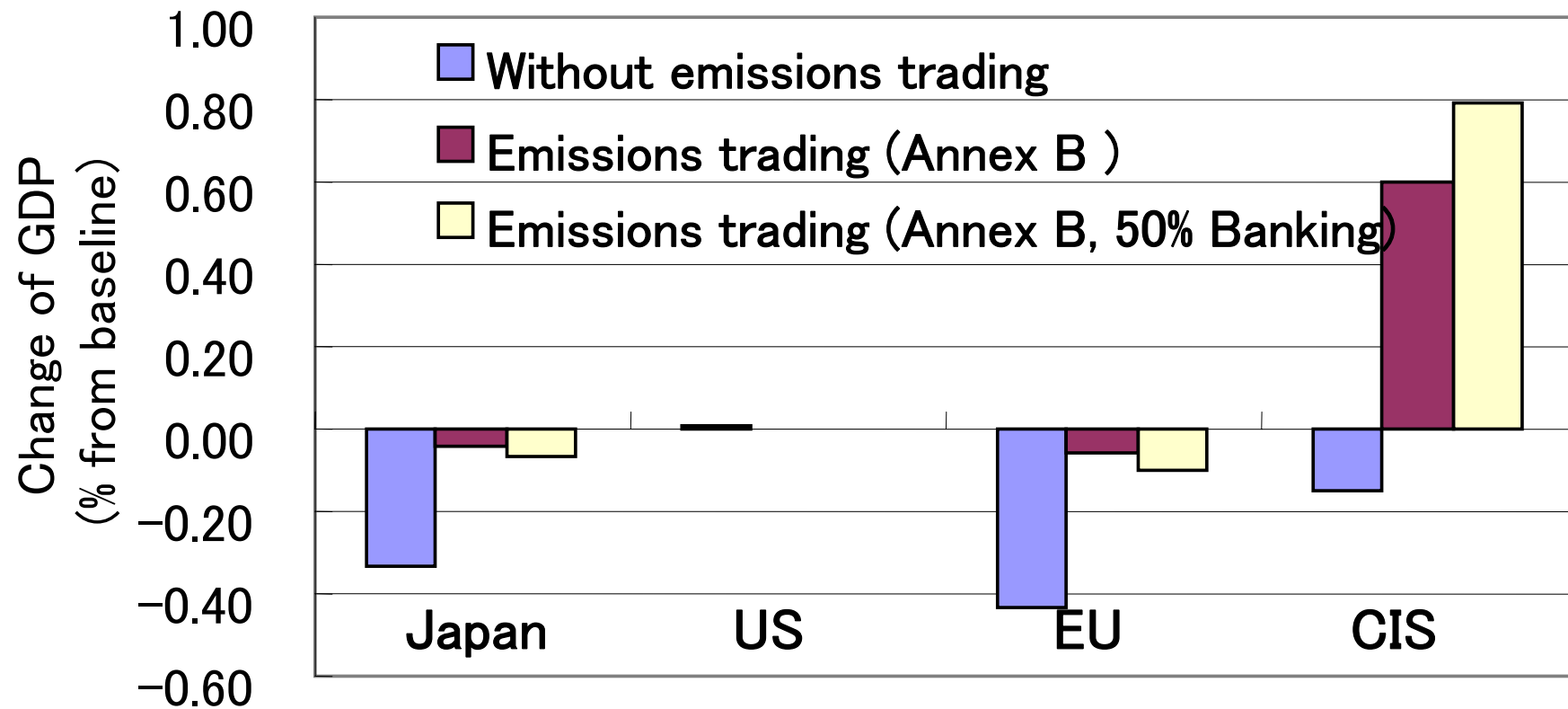


Outline of AIM/Global CGE

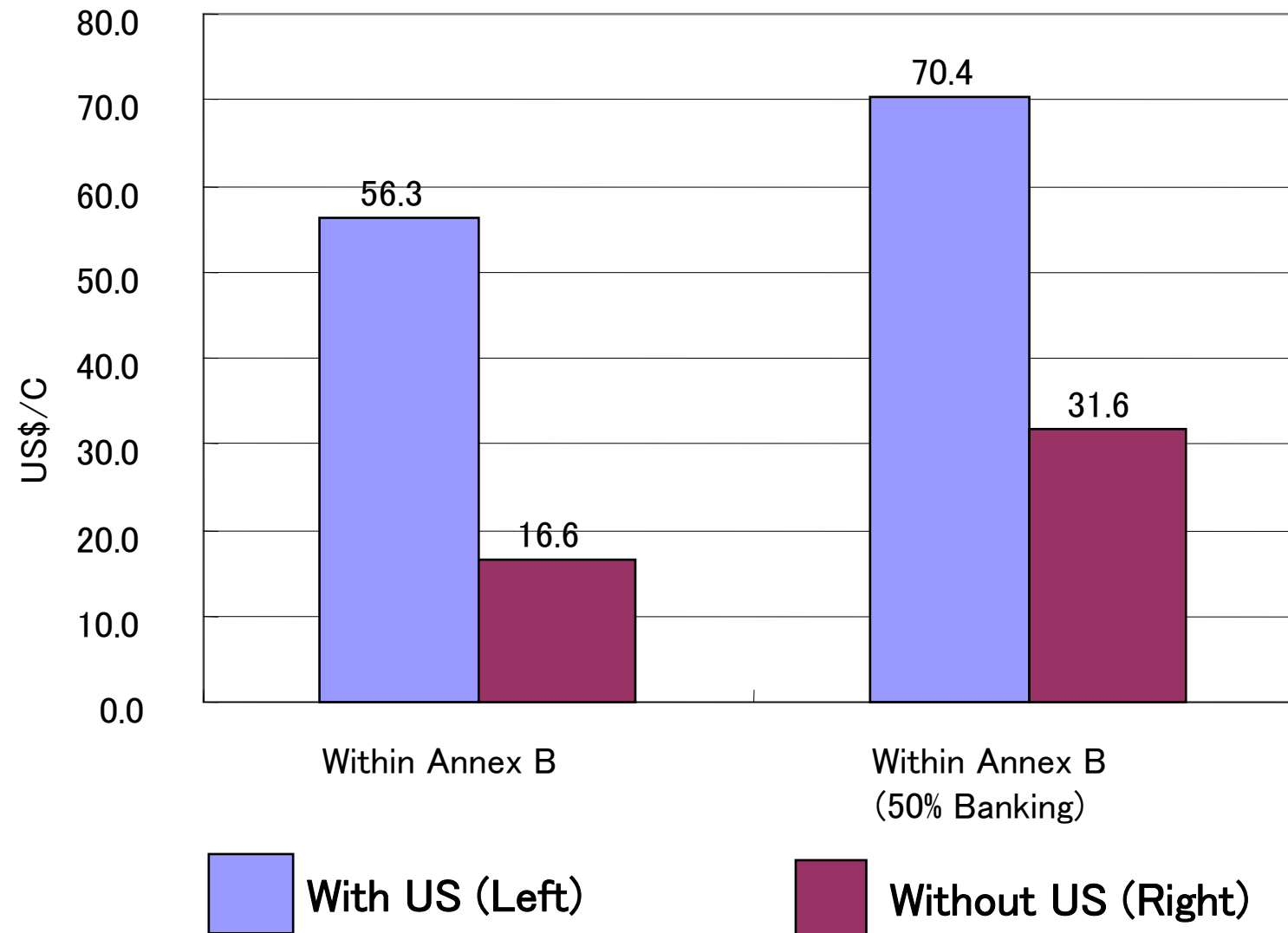
Economic Impacts of Kyoto Protocol with and without USA (Without Emission Trading and with sink)

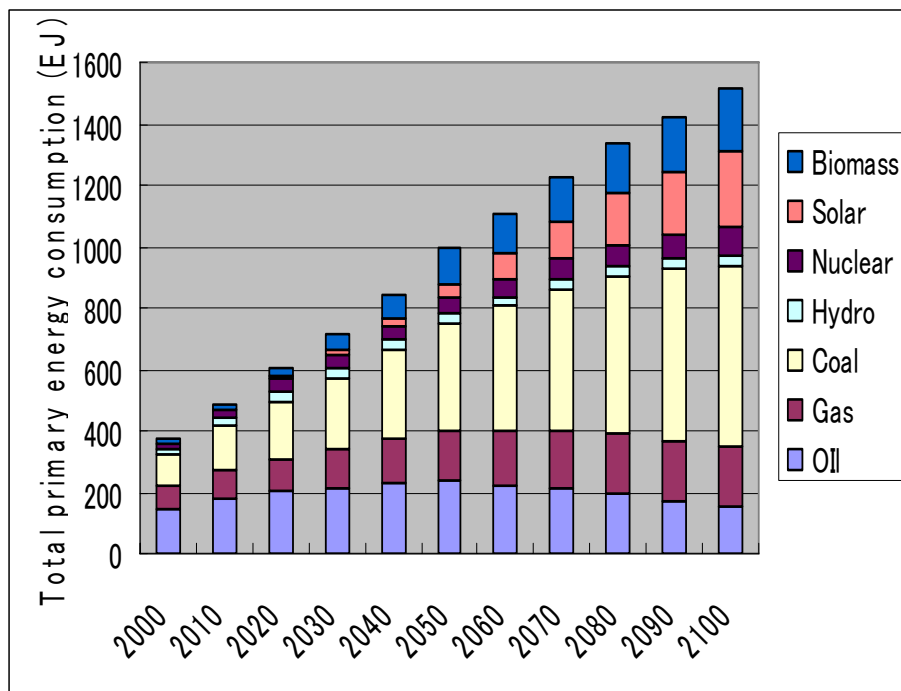


Economic Impact of the Kyoto Protocol without US – Mitigation –

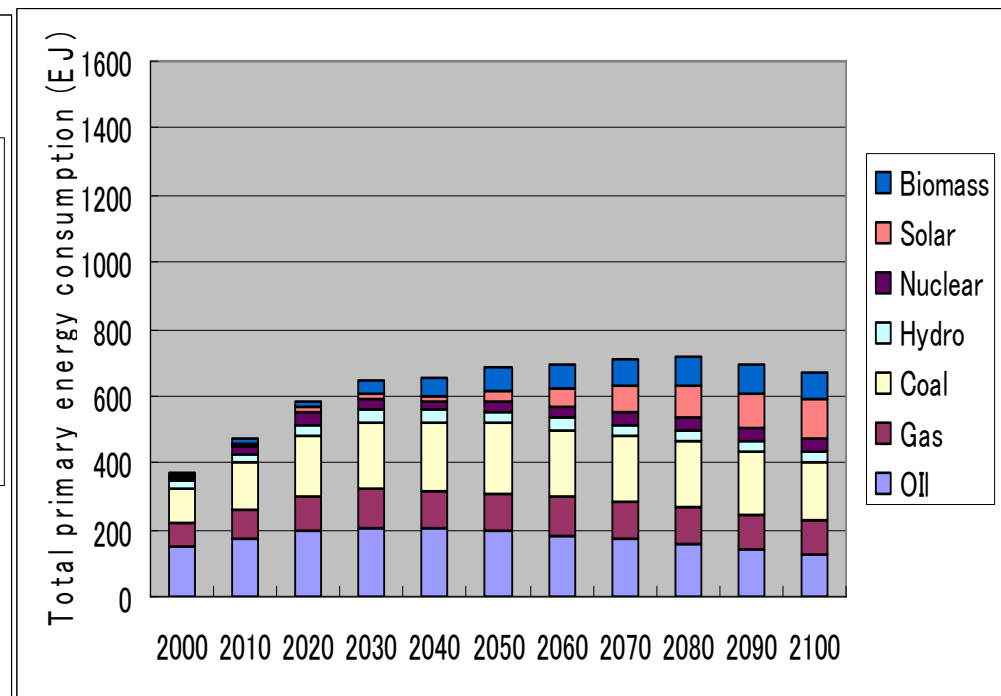


Carbon price (Emissions Trading) (in 2010)



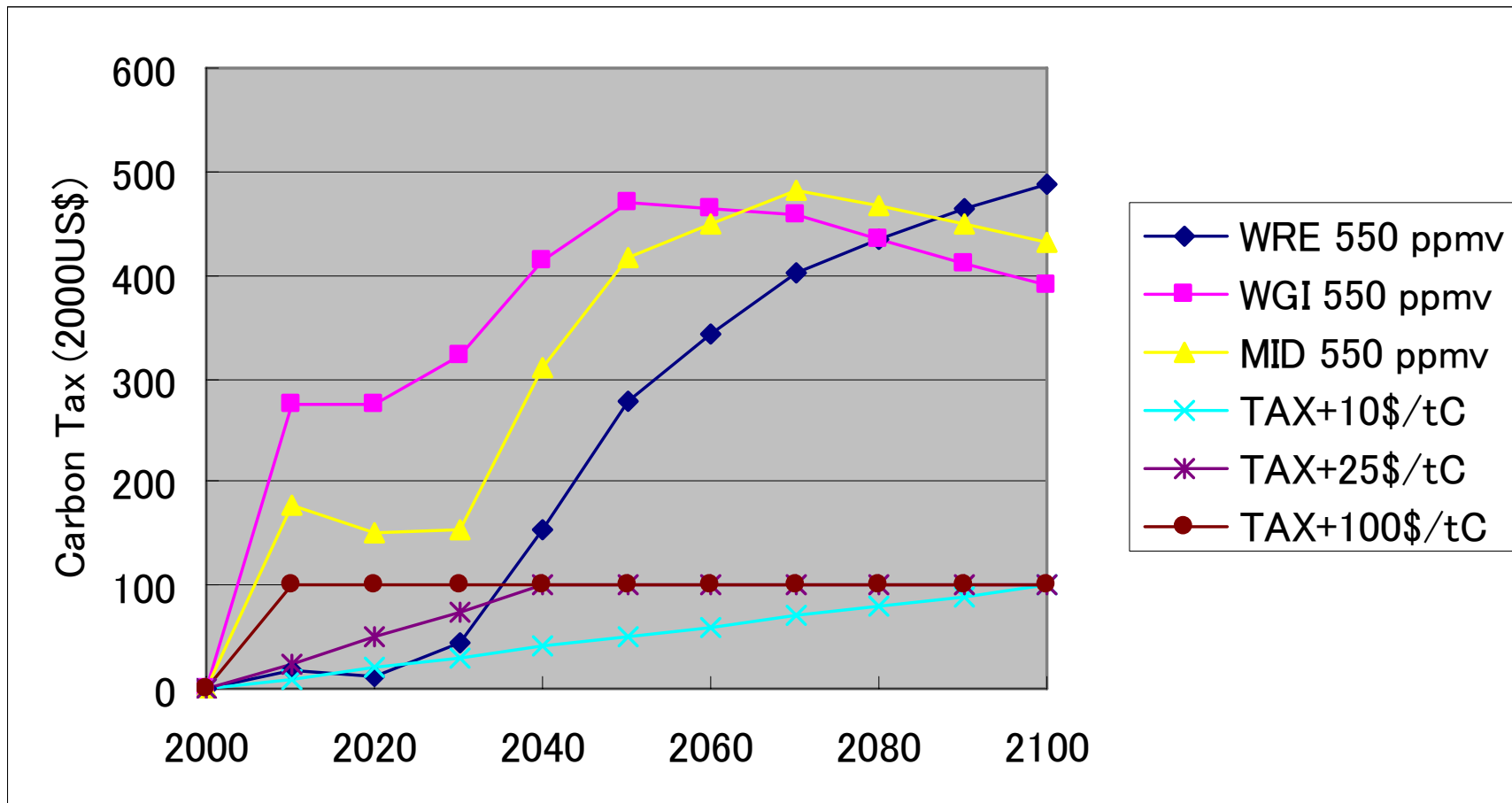


(a) reference

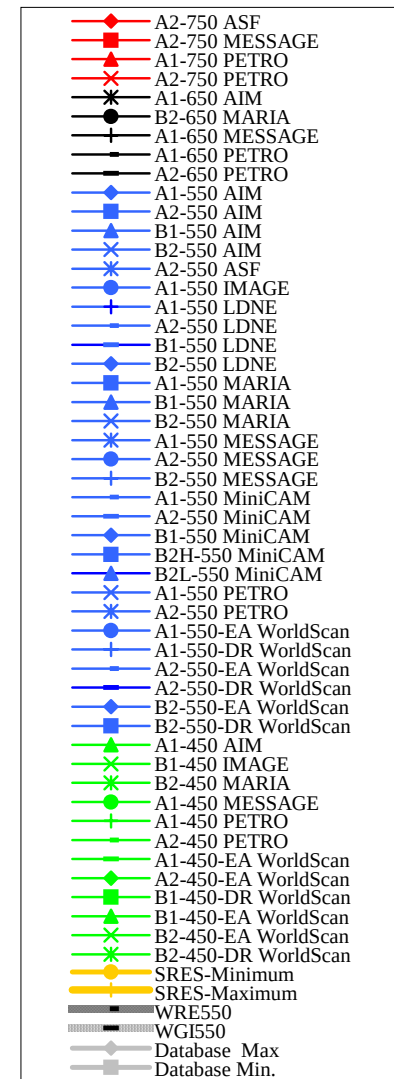
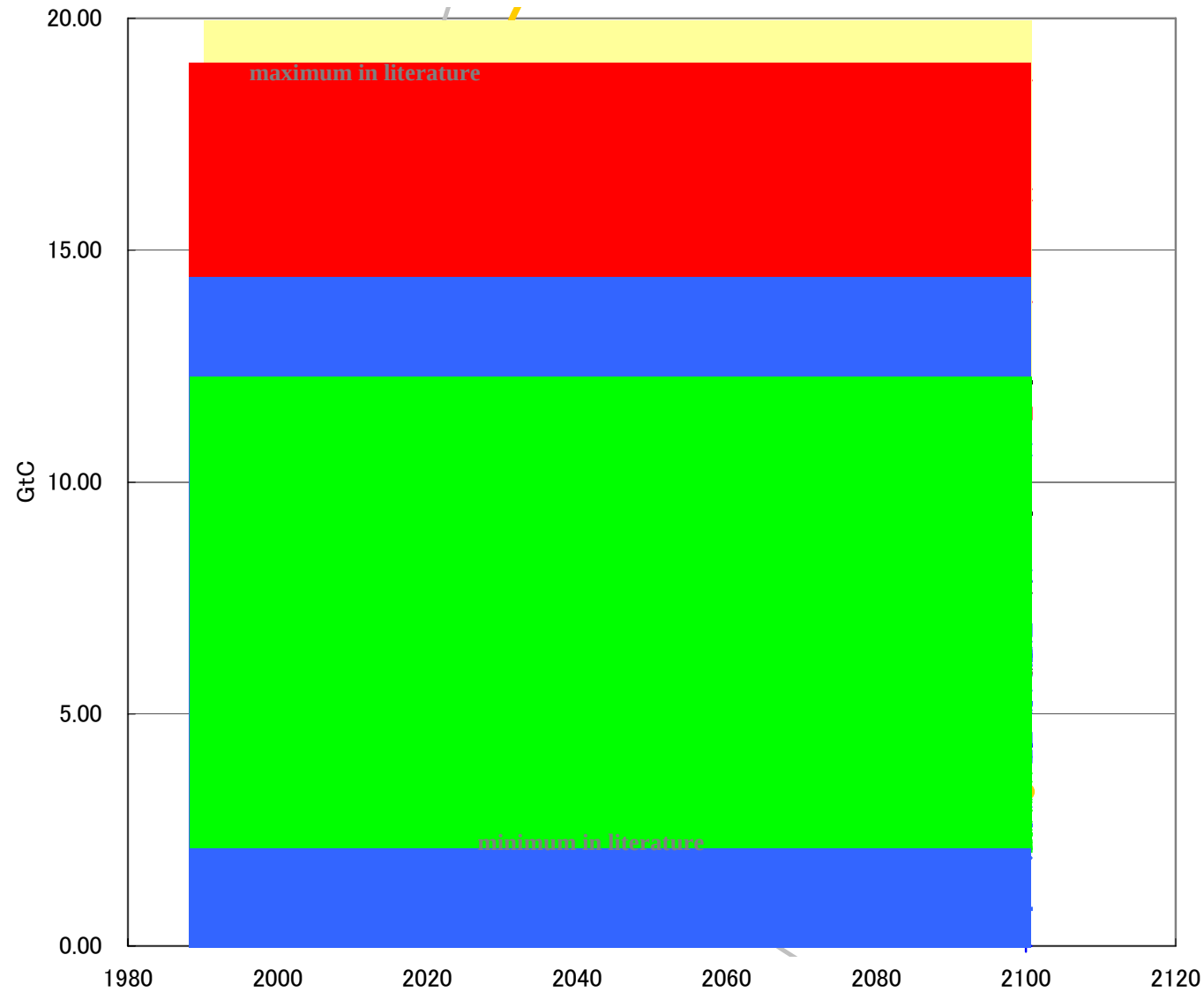


(b) WRE 550 ppm

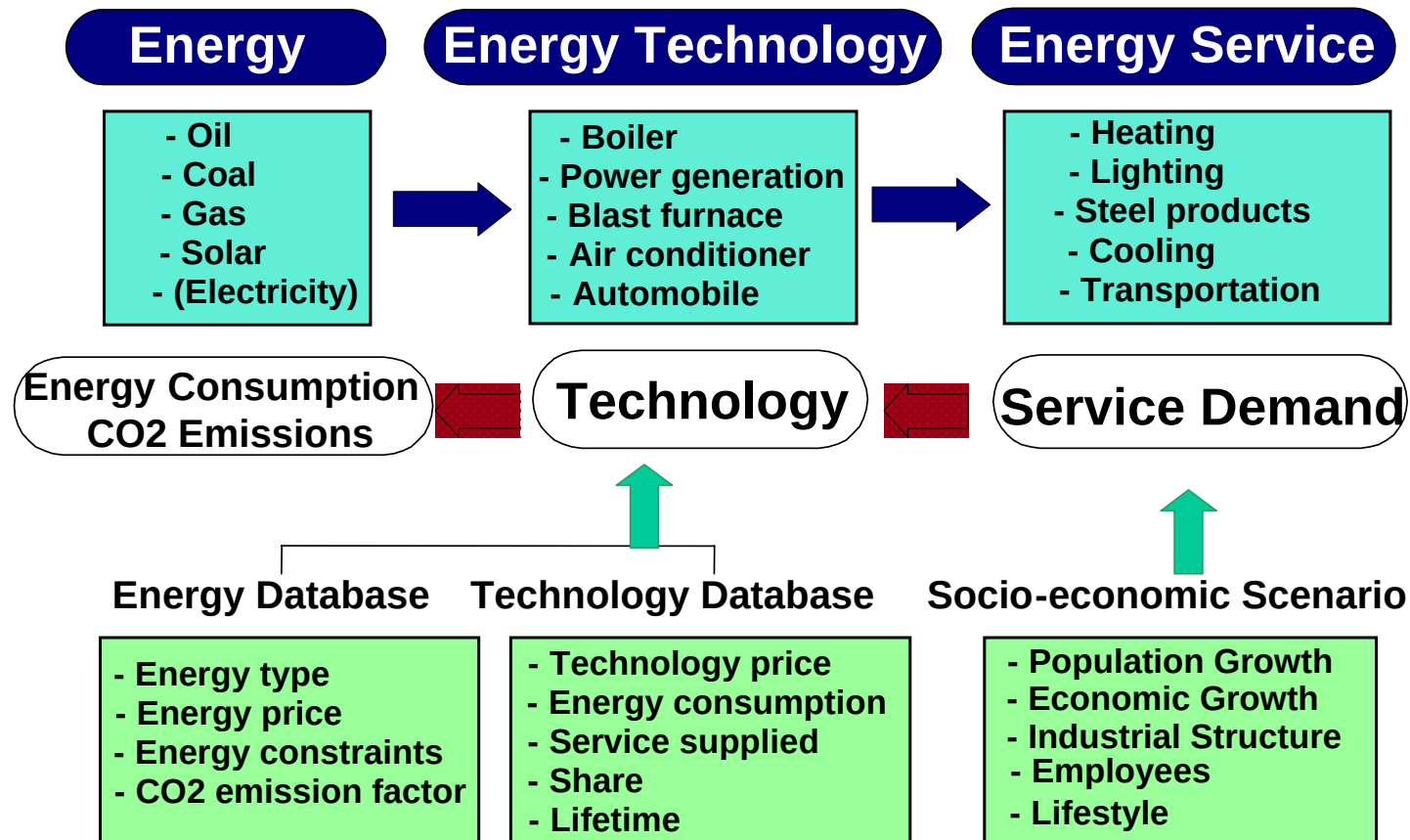
**World energy demand in end use sectors
under (a) the reference scenario and (b) WRE 550 scenario.**



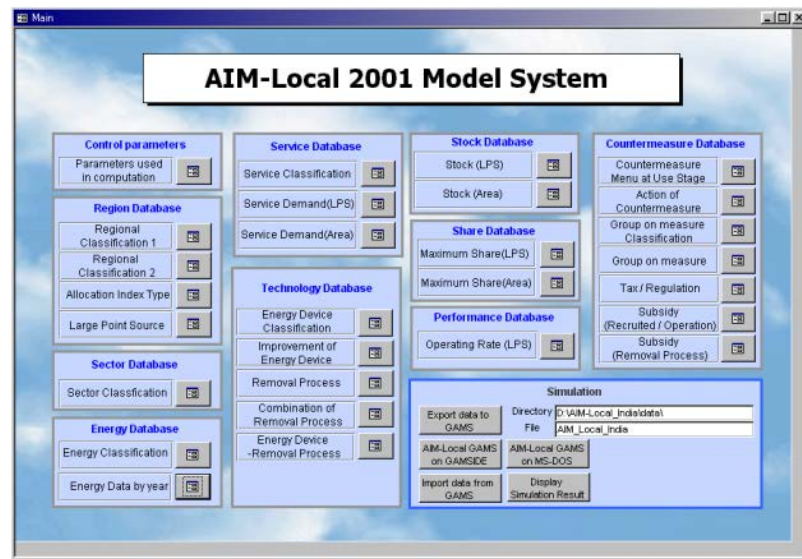
Projection of GDP marginal costs to reduce emissions



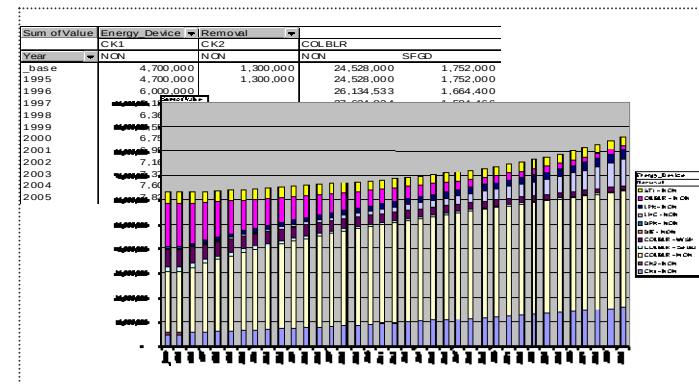
Post SRES Mitigation Scenarios



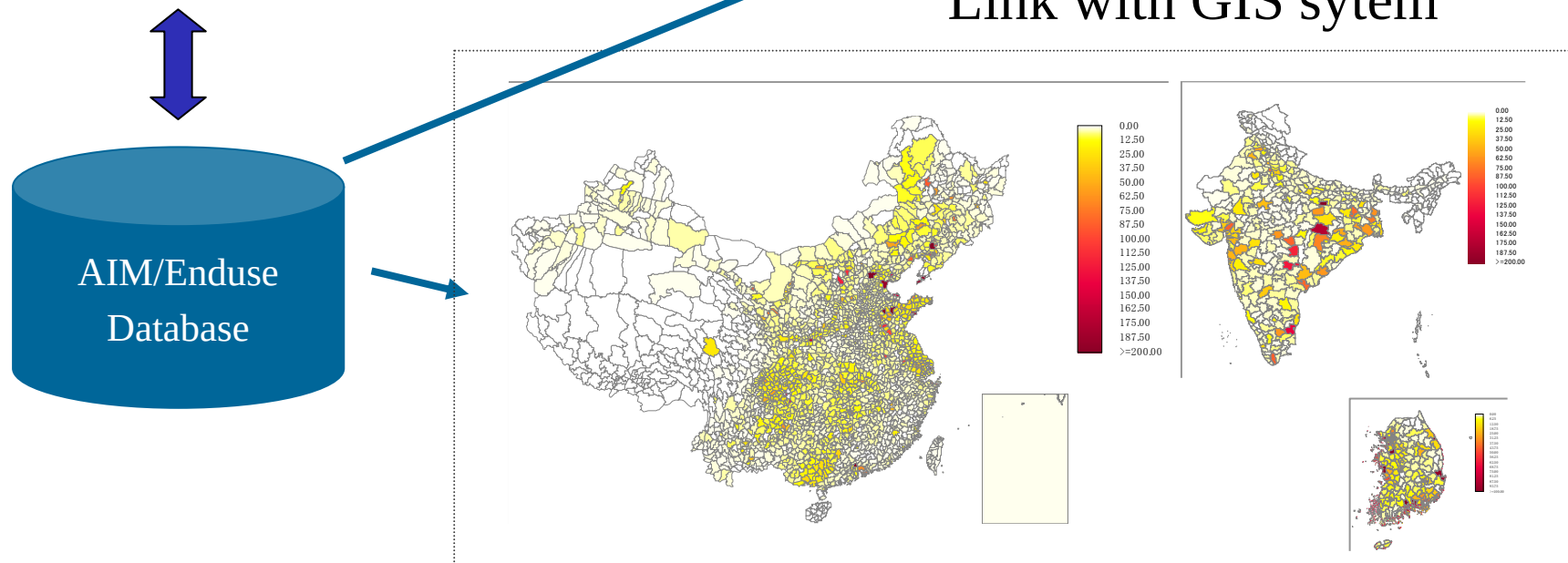
Frame of the AIM/Enduse Model



Output tables

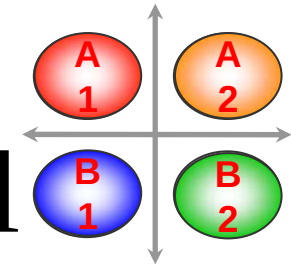


Link with GIS system

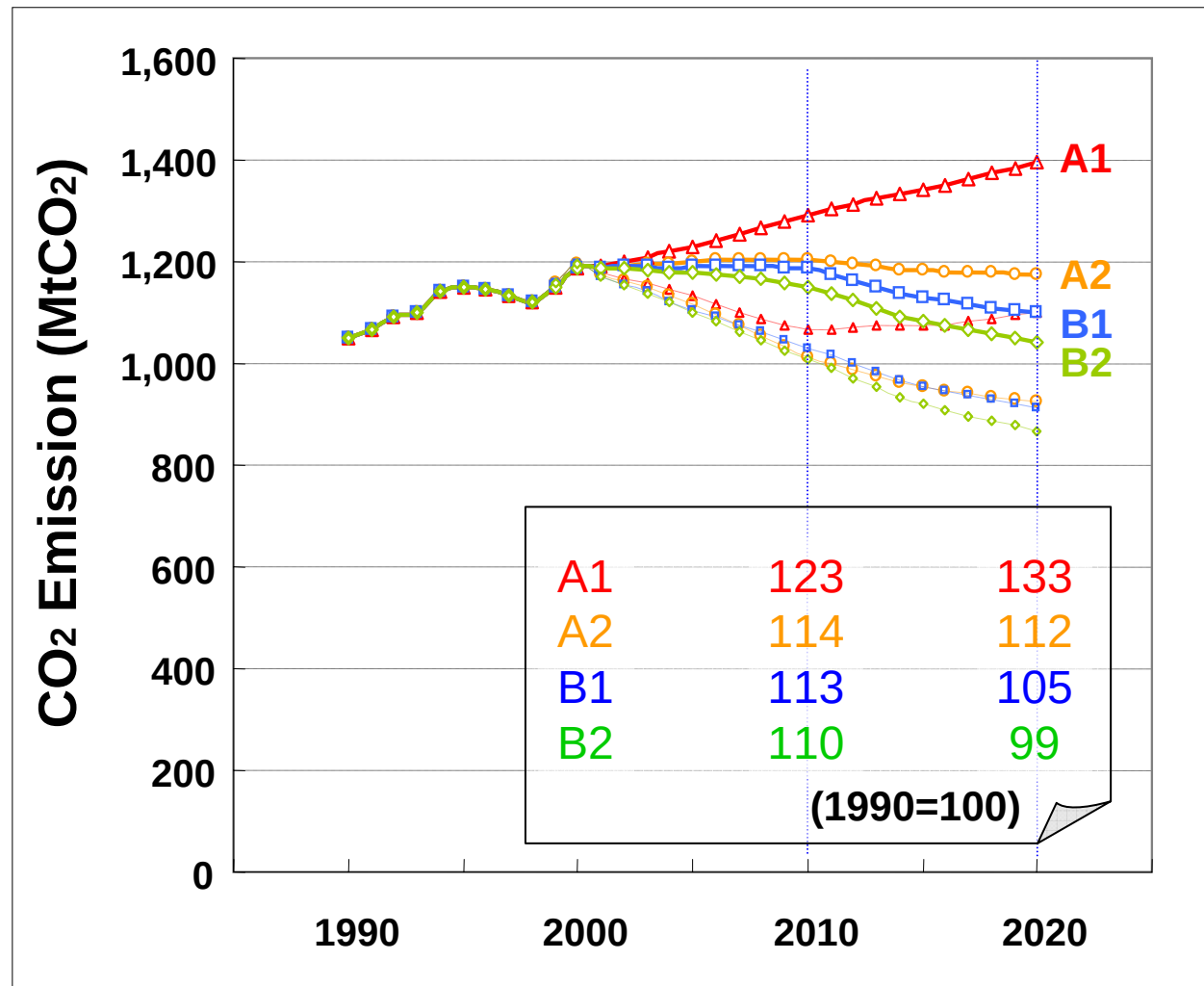


Structure of the AIM/Enduse Model

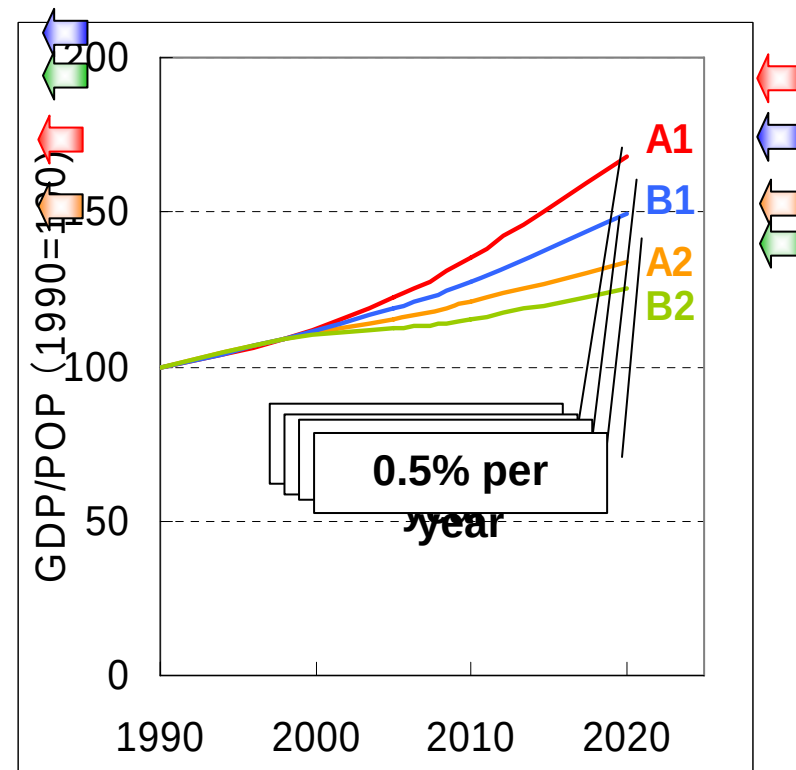
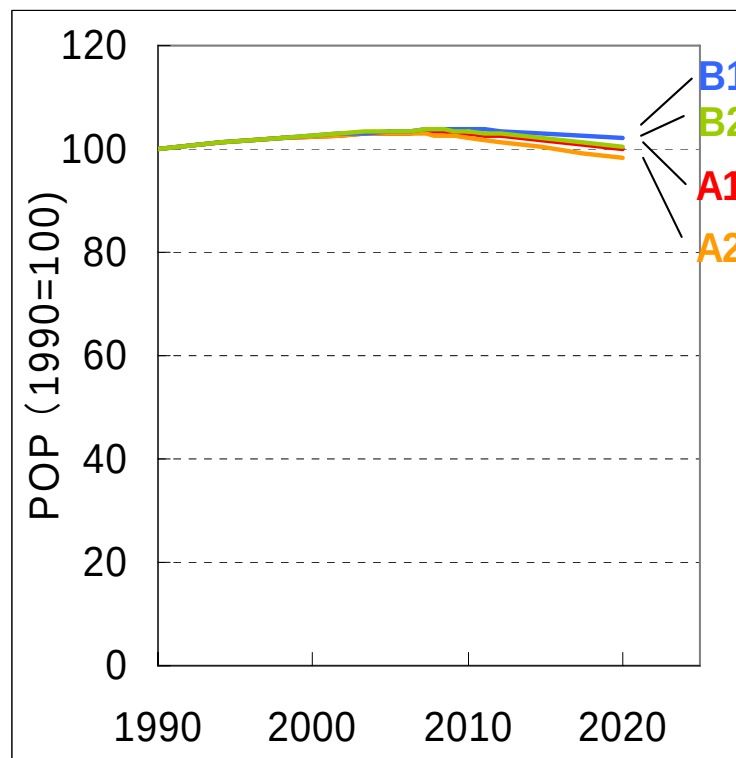
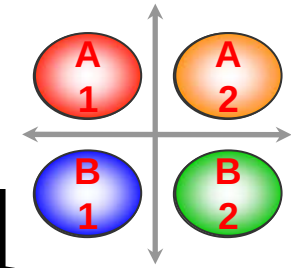
Estimates of CO₂ Emission in Japan with AIM/Enduse model



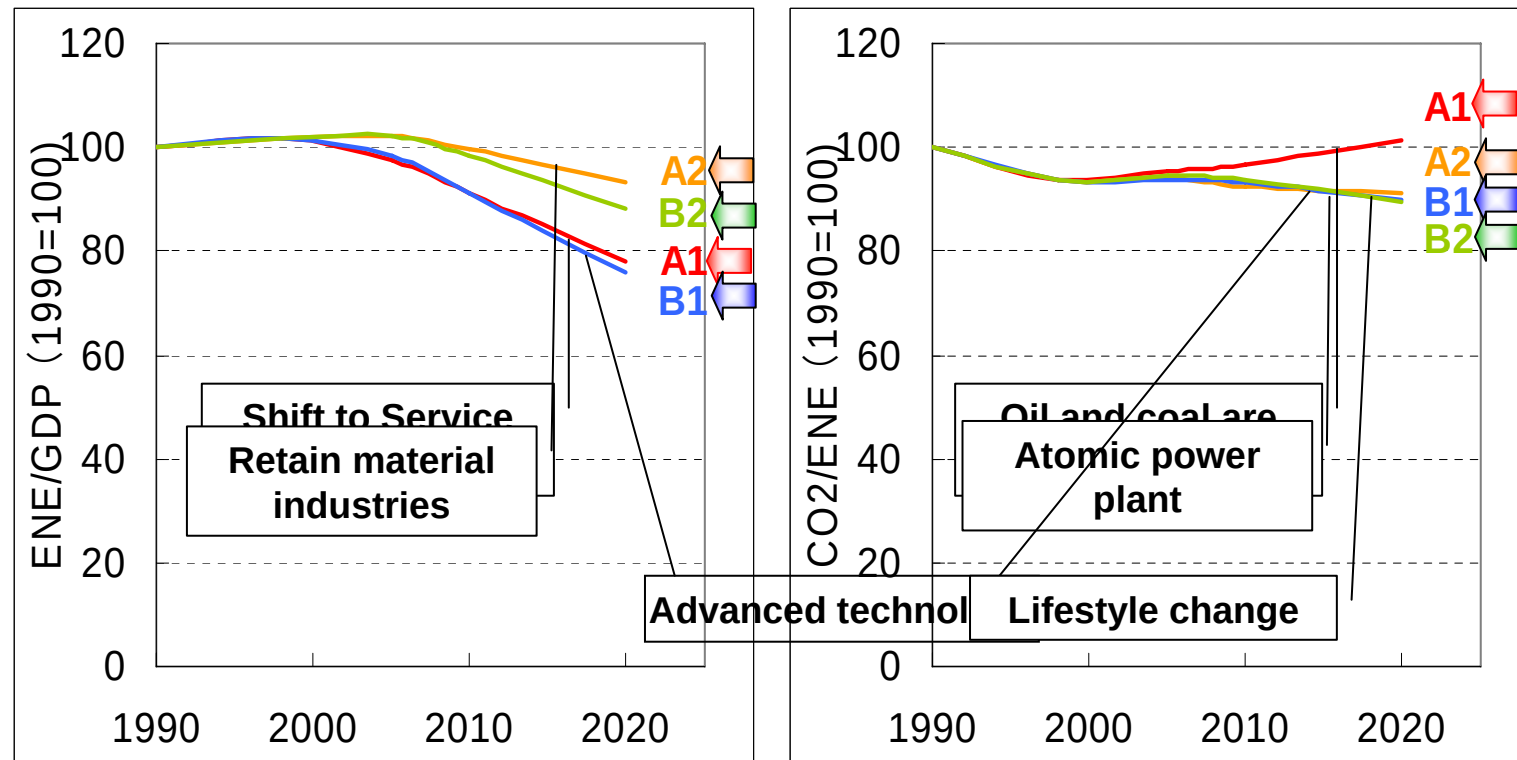
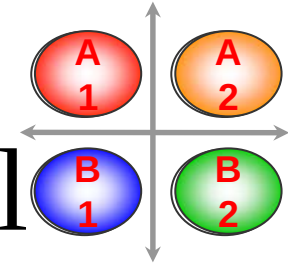
< Reference case >



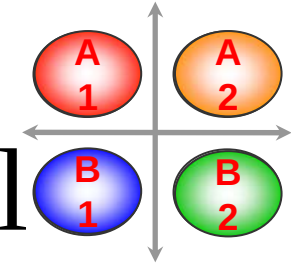
Estimates of CO2 Emission in Japan with AIM/Enduse model



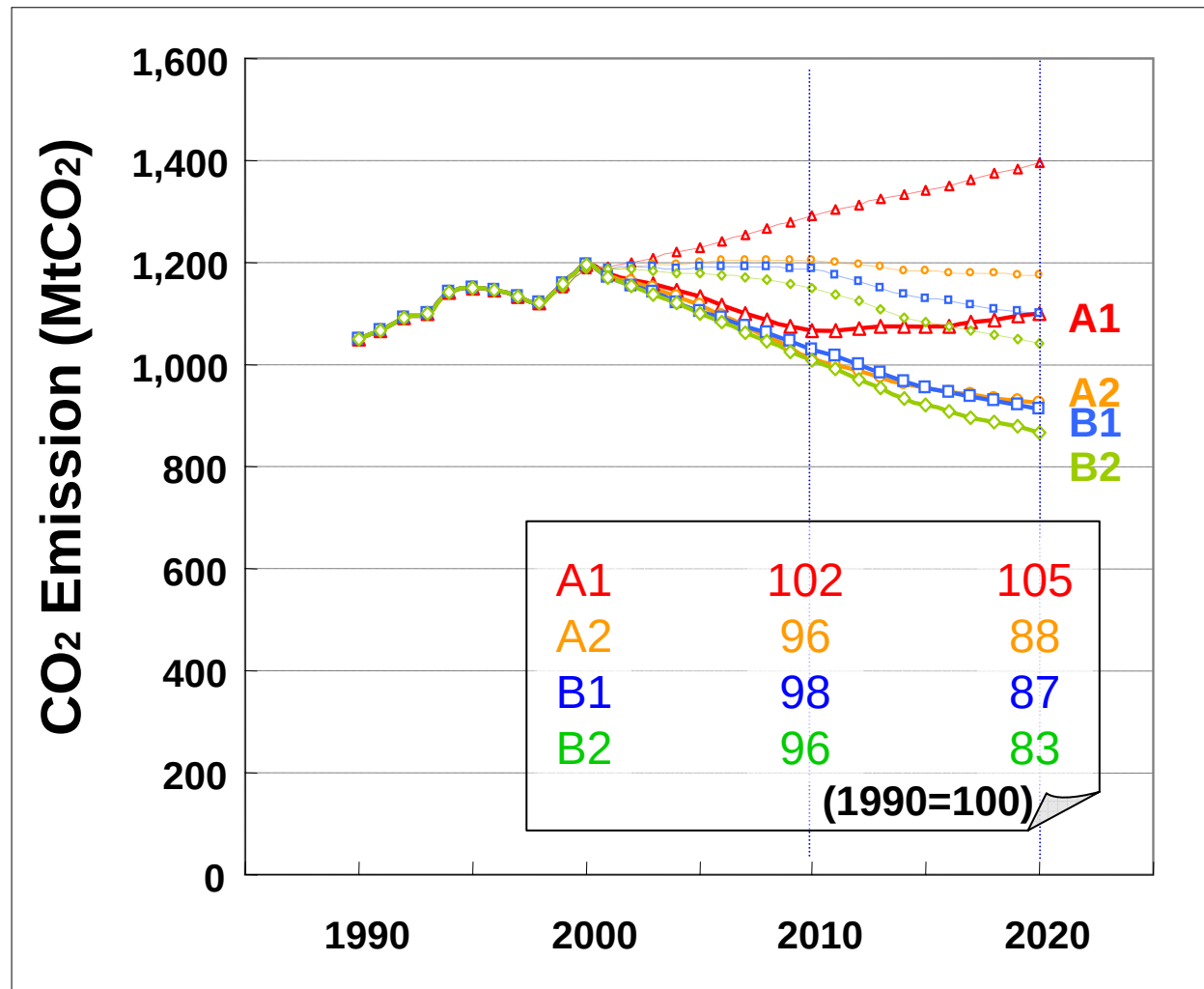
Estimates of CO₂ Emission in Japan with AIM end-use model

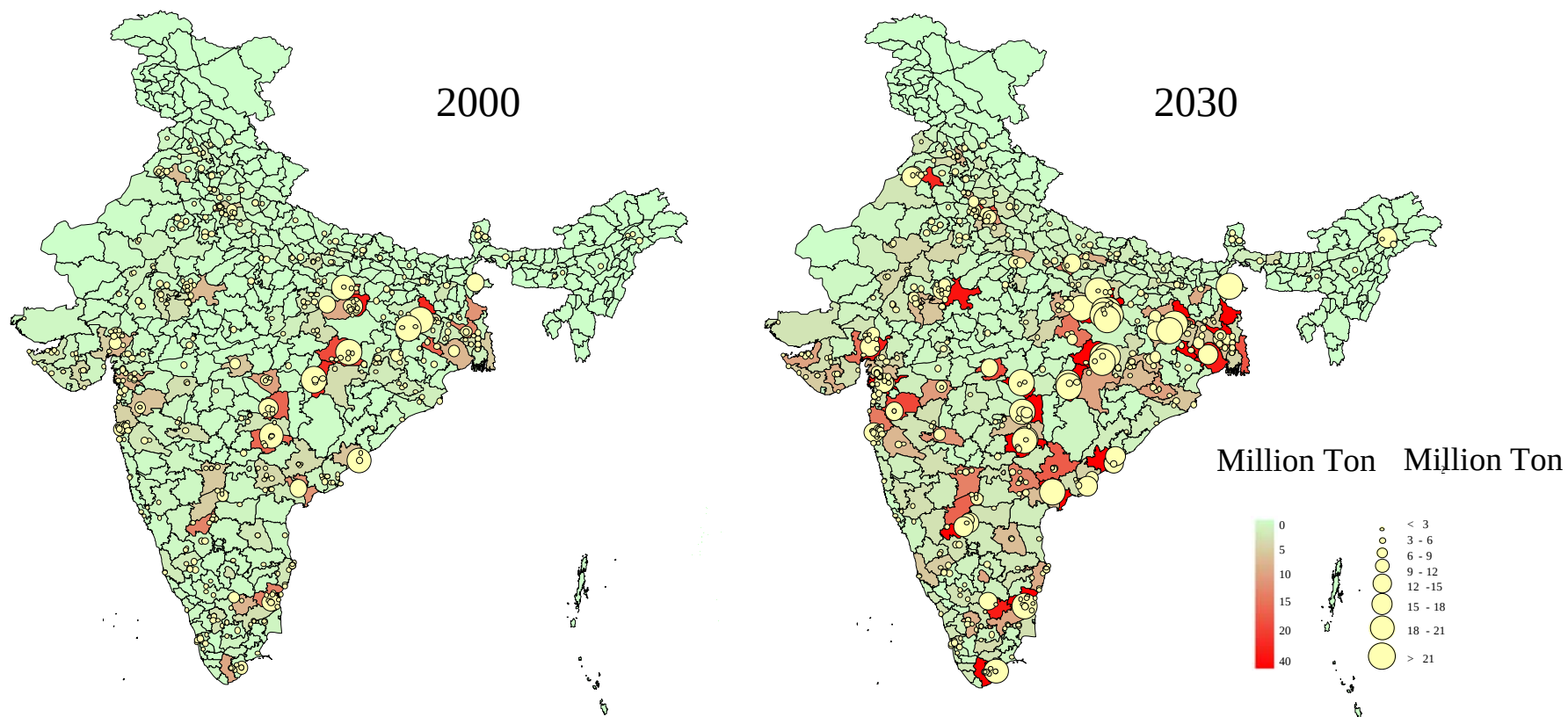


Estimates of CO₂ Emission in Japan with AIM end-use model



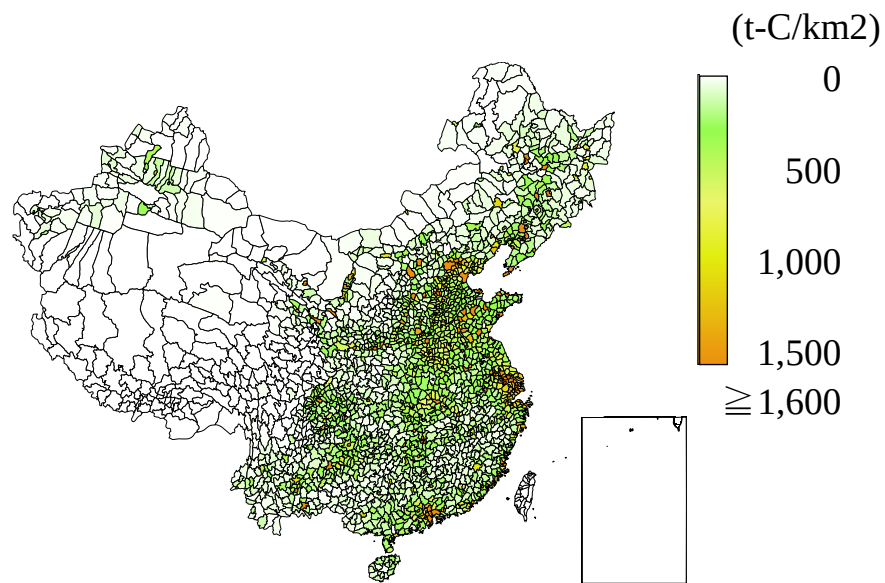
< Countermeasure case >



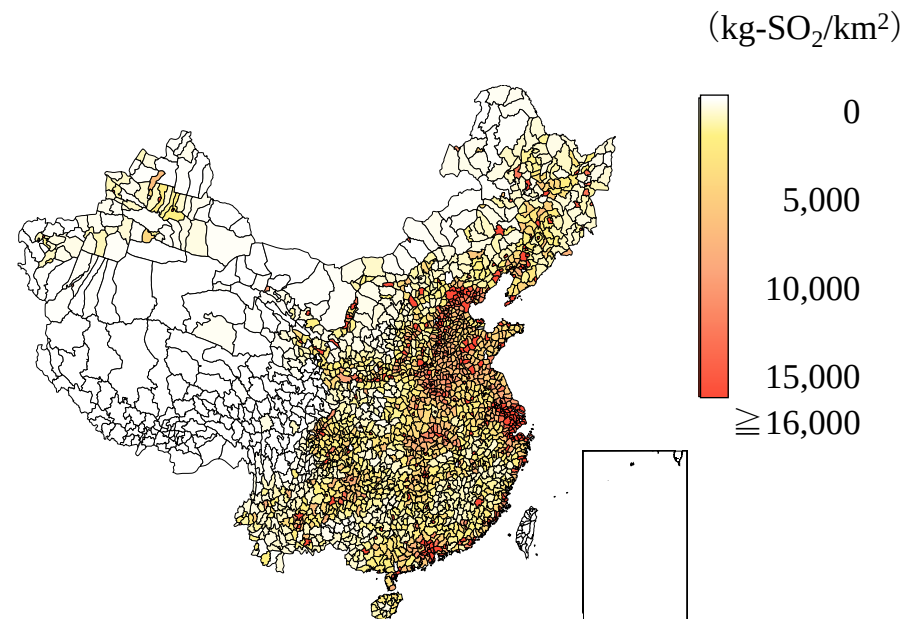


Regional distribution of CO₂ emissions in India for 2000 and 2030 in reference scenario

Note: Circles show emissions from large point sources.



CO₂ emissions intensity in China
for 2010



SO₂ emissions intensity in China
for 2010