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Activities in the Fiscal Year 2003 in Korea

Tae Yong Jung IGES, Japan

Dong Kun Lee Seoul National University, Korea

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O AIM/Korea Local Model

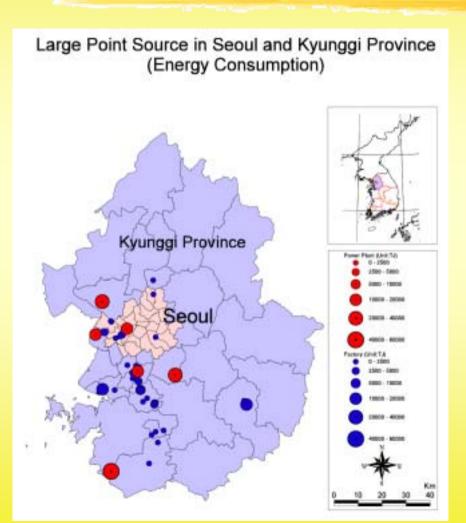
- > Metropolitan Area of Seoul; Seoul/Kyunggi-do/Incheon city
- > Input Data Projection
- > Sectoral Projection
- > Scenario: Transportation Sector
- > Air pollution + GHG emission
- O Further Studies (2004)

Policy Issue

OAIM/Korea Local Model Application

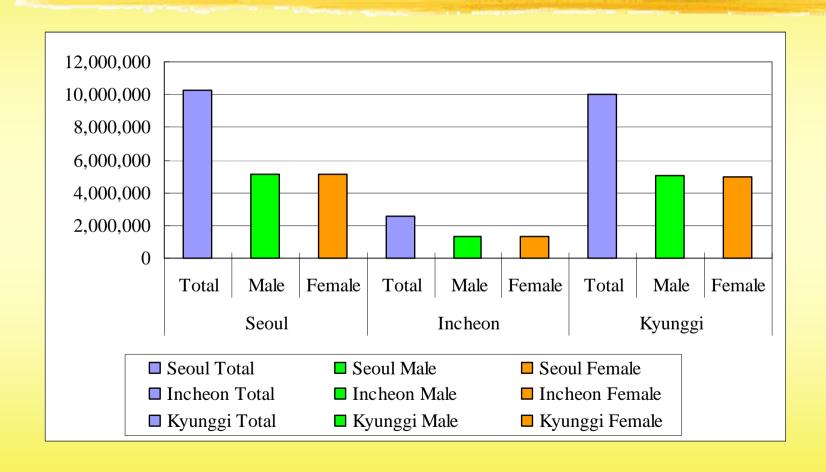
- > Special Act on Air Quality Improvement in the Metropolitan Area of Seoul (PM-NOx Act in Japan)
- > Introduction of Diesel Passenger Cars
- > Movement of Capital to the Central Region of Korea

Metropolitan Area of Seoul

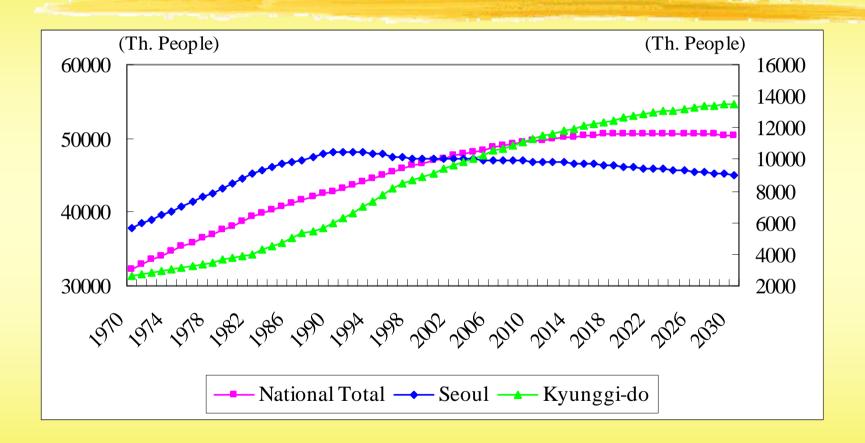




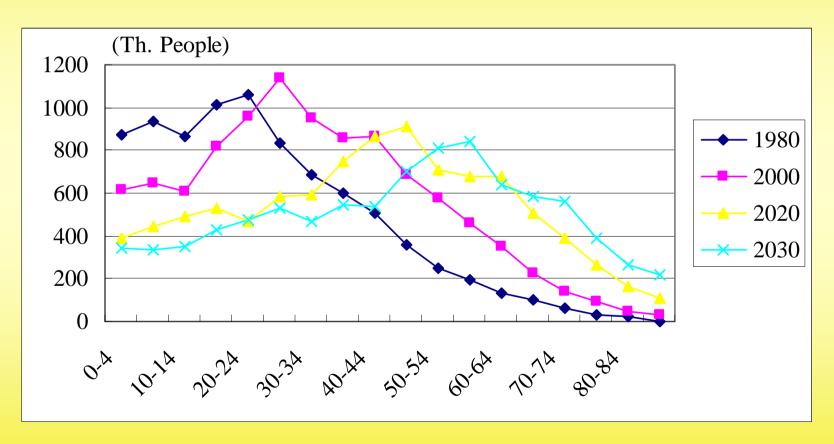
Input Projection: Population (2002)



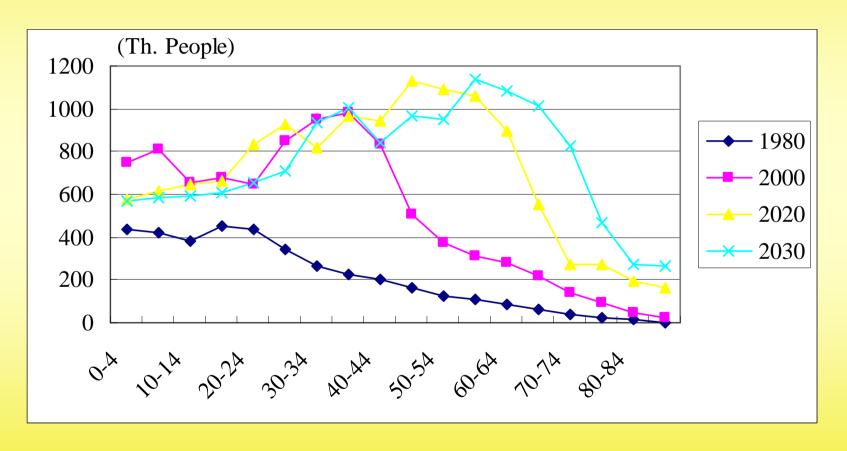
Population Projection



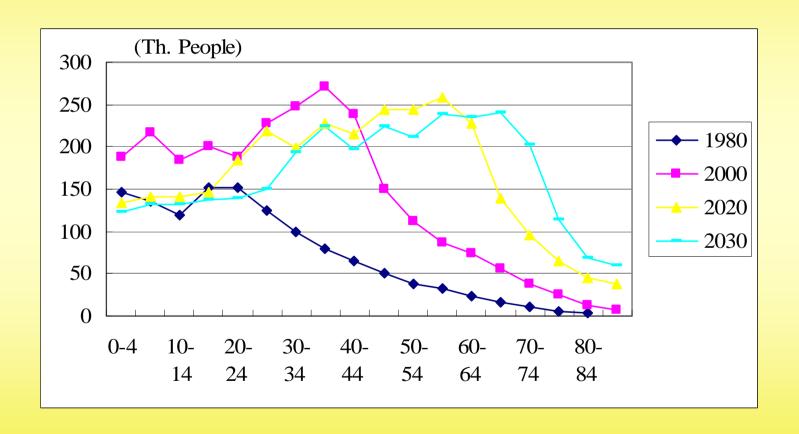
Population Change by Age (Seoul)



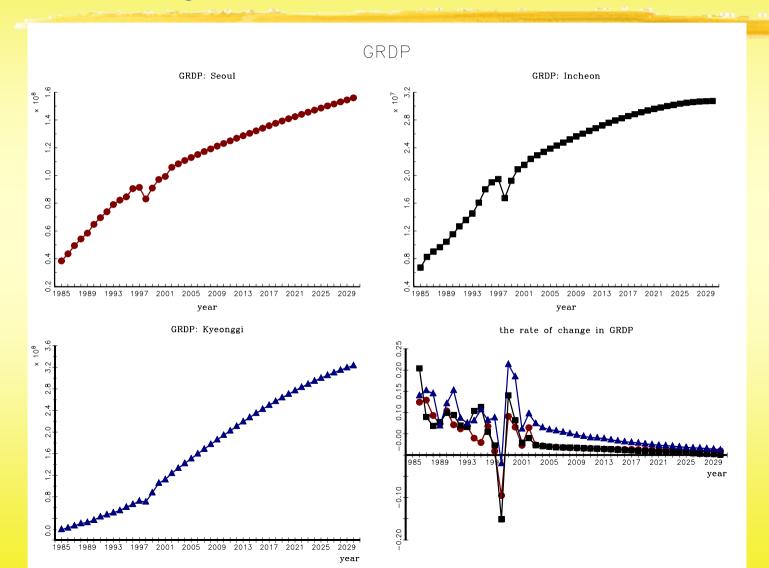
Population Change by Age (Kyunggi-do)



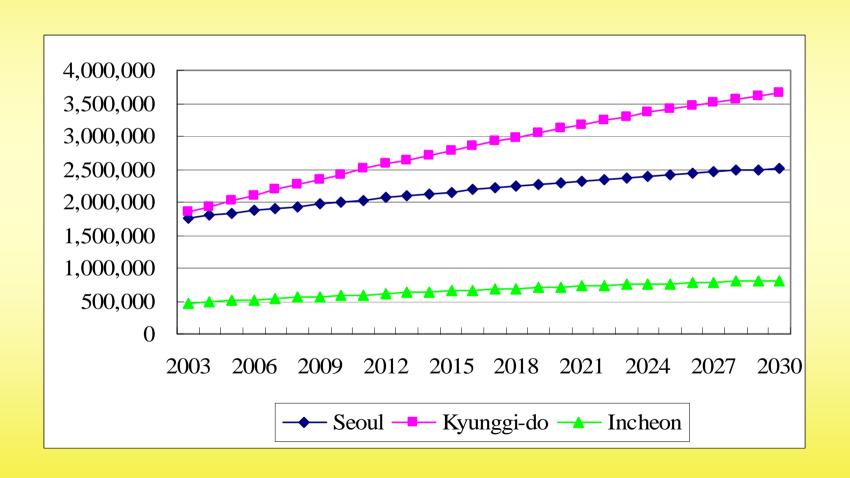
Population Change by Age (Incheon City)



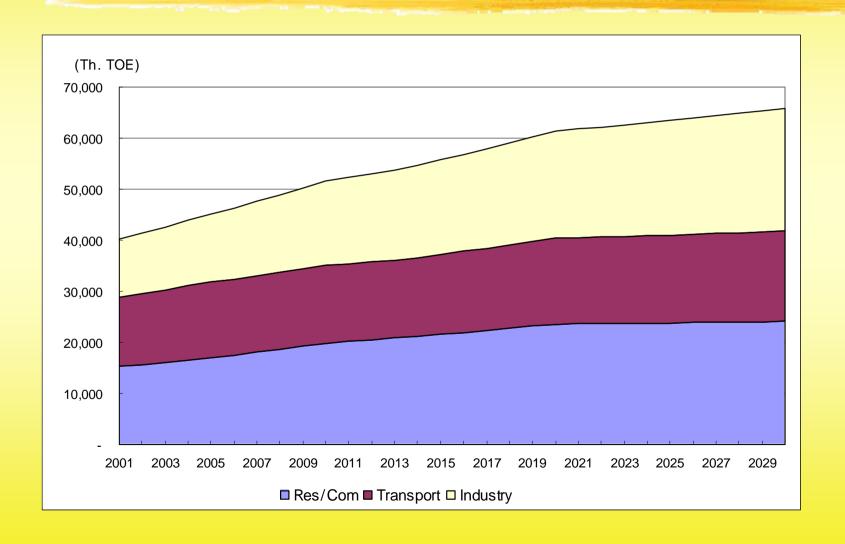
GDRP Projection (1995 Price)



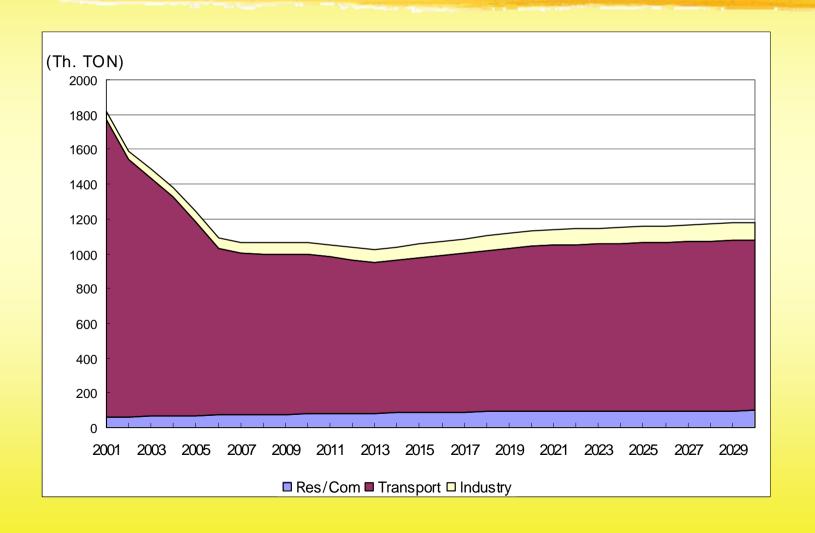
Passenger Car Projection



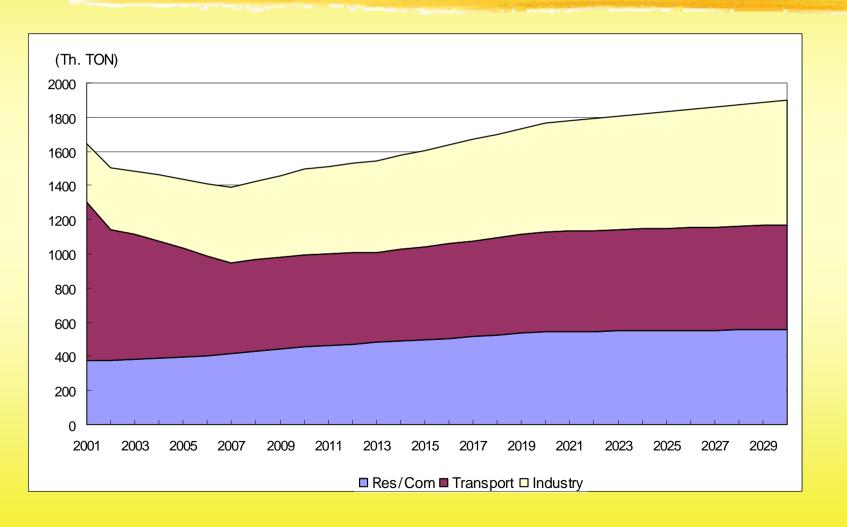
Sectoral Projection (Metro. Seoul; Energy)



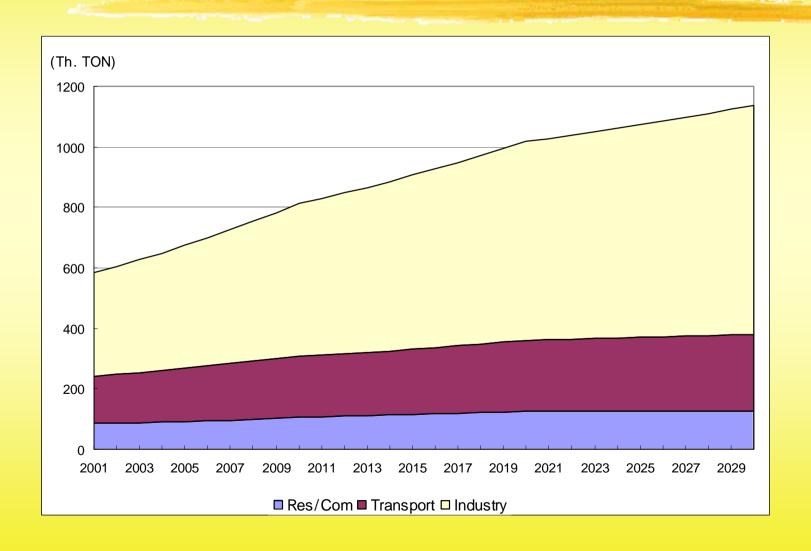
Sectoral Projection (Metro. Seoul; CO)



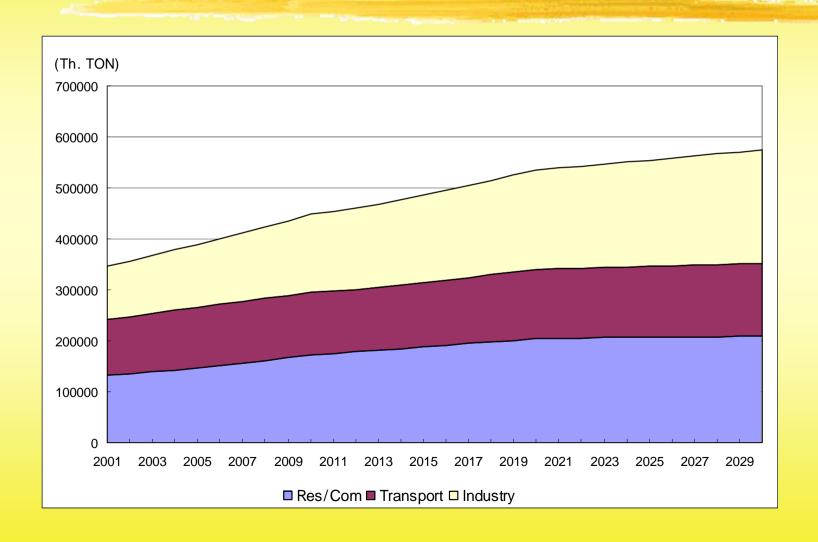
Sectoral Projection (Metro. Seoul; PM)



Sectoral Projection (Metro. Seoul; SOx)



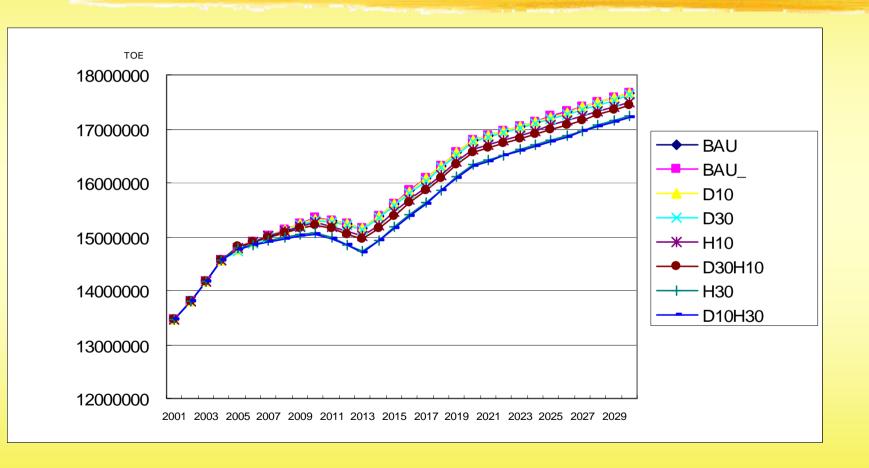
Sectoral Projection (Metro. Seoul; CO2)



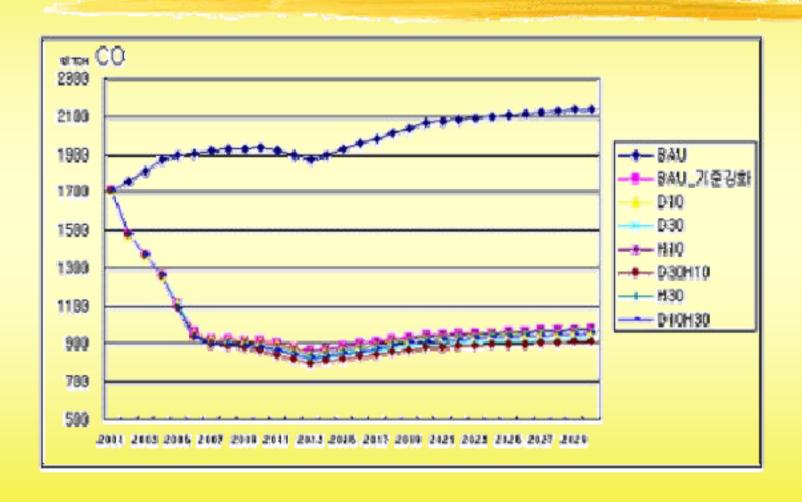
Scenarios (Transportation)

- **OBAU**
- **OBAU_Air: Tight Emission Standard (Euro4,....)**
- D10: Diesel Passenger Car 10% by 2030
- D30: Diesel Passenger Car 30% by 2030
- H10: High Tech. Passenger Car 10% by 2030
- H30: High Tech. Passenger Car 30% by 2030
- **OD10H30:** D10 + H30
- OD30H10: D30 + H10

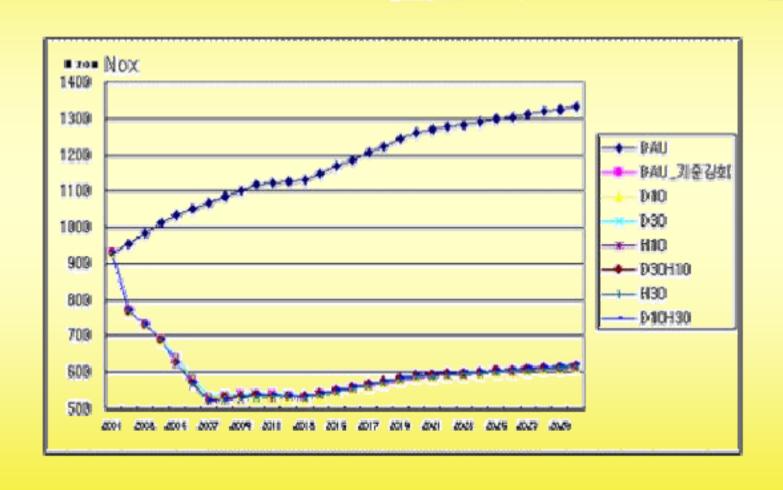
Energy Projection



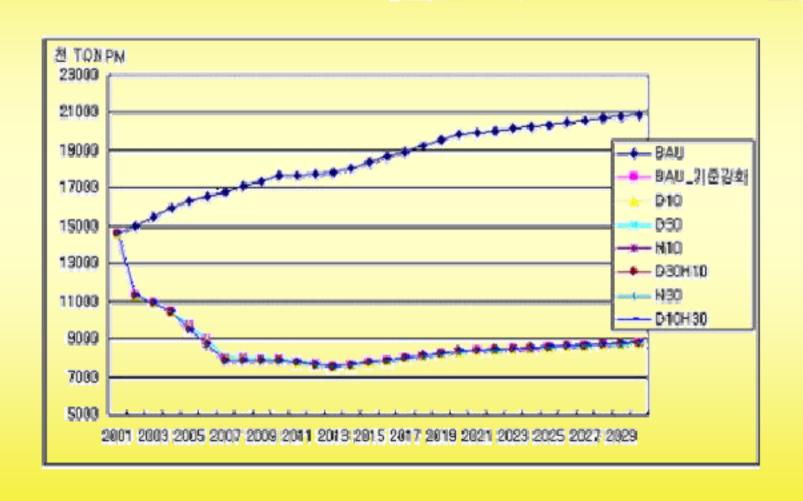
CO Projection



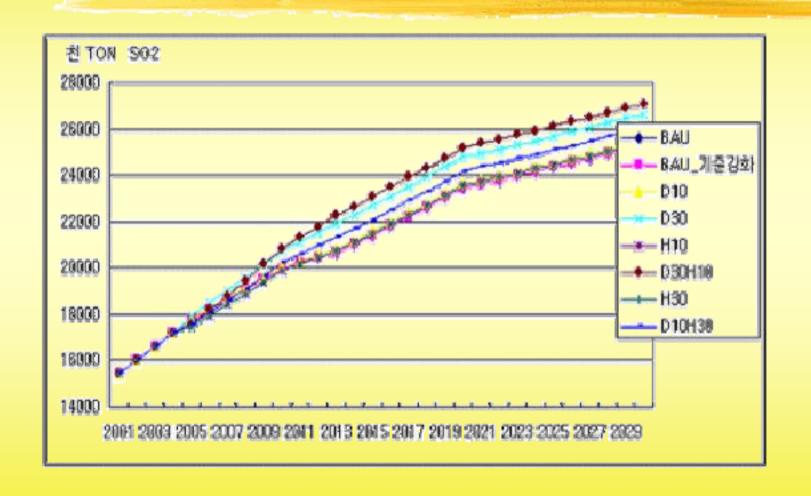
NOx Projection



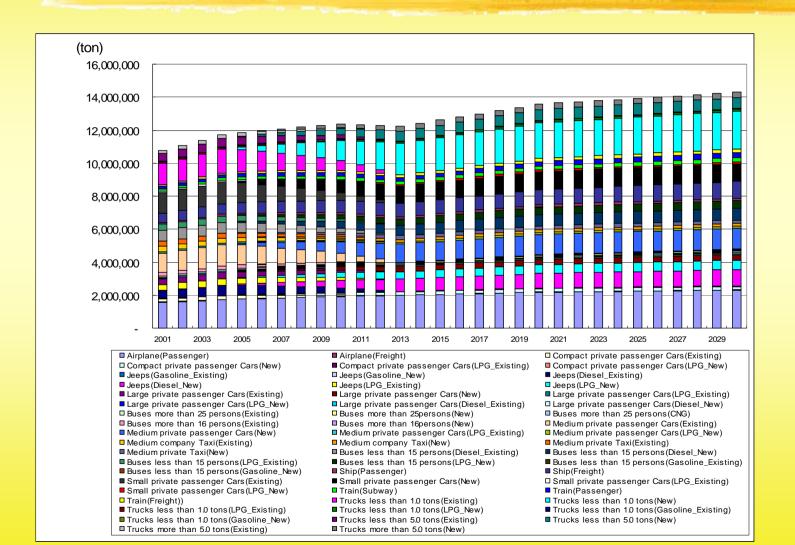
PM Projection



SOx Projection



CO2 Projection



Further Studies (2004)

- OAIM/Korea Country/Local: Database Updating
- OAIM/Korea Country/Local: More Policy Analysis
- OAIM/Korea Country/Local:
 Scenario Development (Technology)