



Next Step of Emission Model in China

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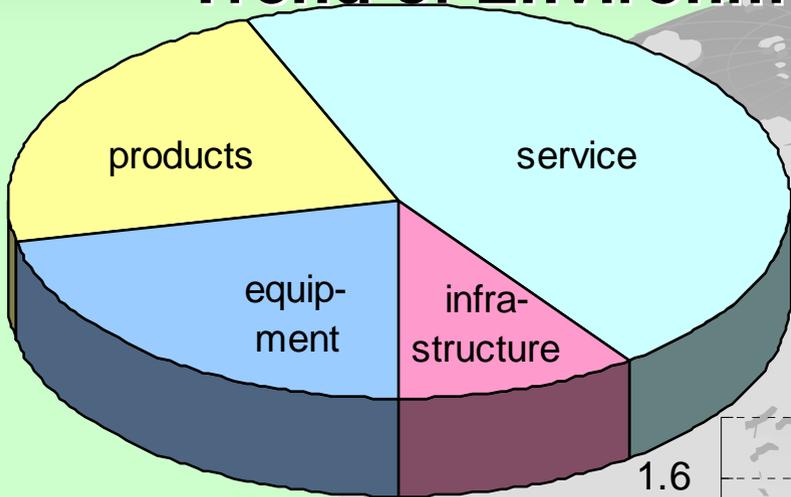
Research Subjects

Construction of new economic model to investigate the best policy to achieve both environmental preservation and economic development.

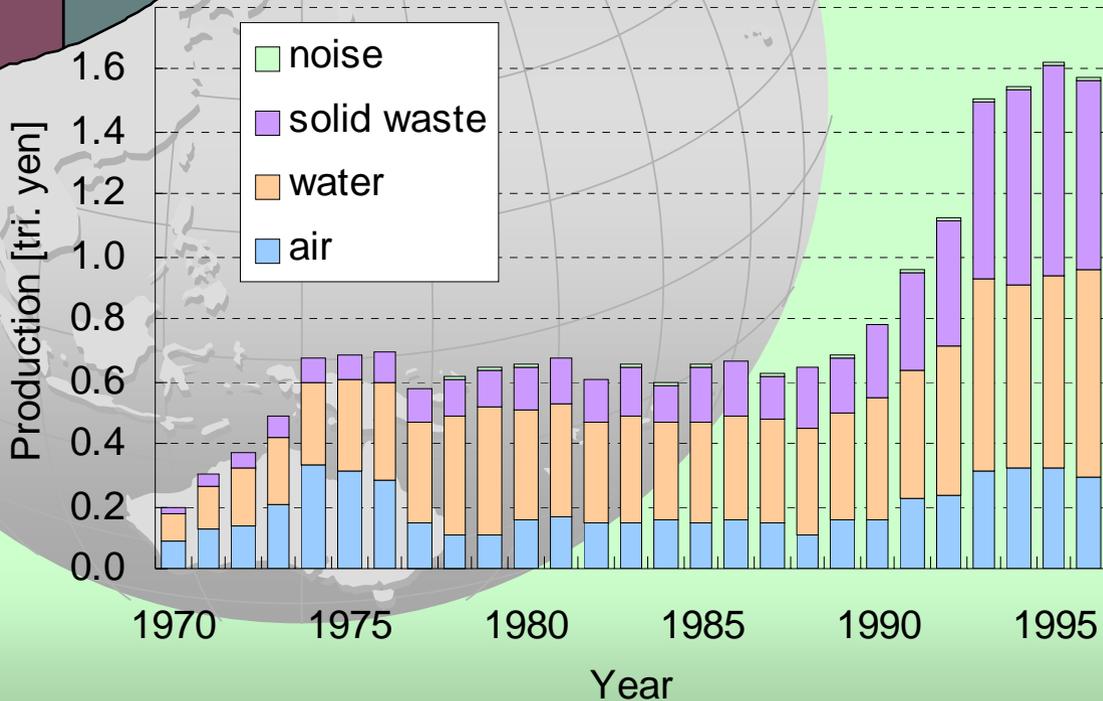
How does the environmental Industries, which are defined as activities concerning the environmental conservation such as air pollution control, waste management, CO2 reduction activities, and so on, contribute to both keep clean environment and to develop economic activities?

>>Environmental Industries can be driving force of Sustainable Development

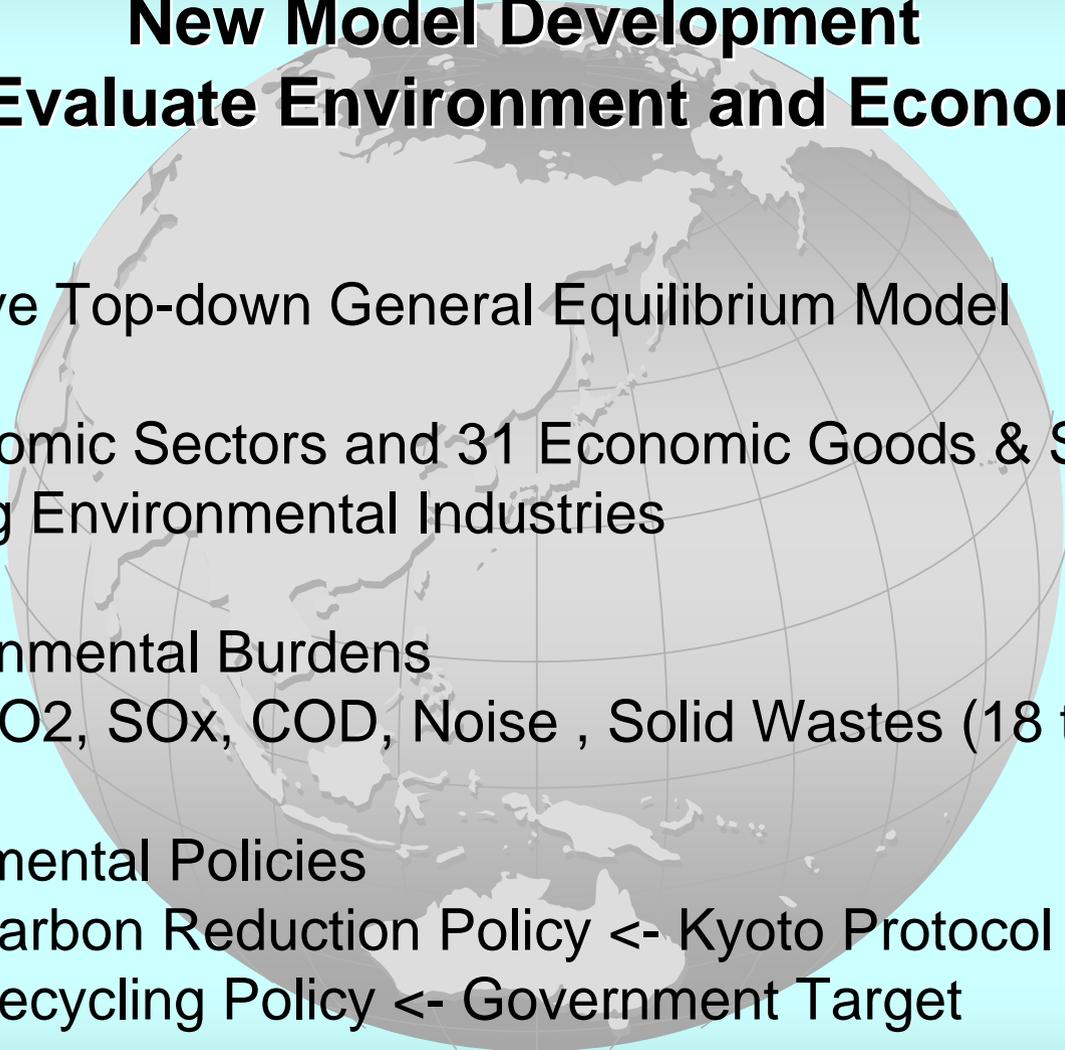
Trend of Environmental Industry in Japan



26.3 bil. Yen
in 2010



New Model Development to Evaluate Environment and Economy



Recursive Top-down General Equilibrium Model

33 Economic Sectors and 31 Economic Goods & Services
Including Environmental Industries

5 Environmental Burdens

CO₂, SO_x, COD, Noise , Solid Wastes (18 types)

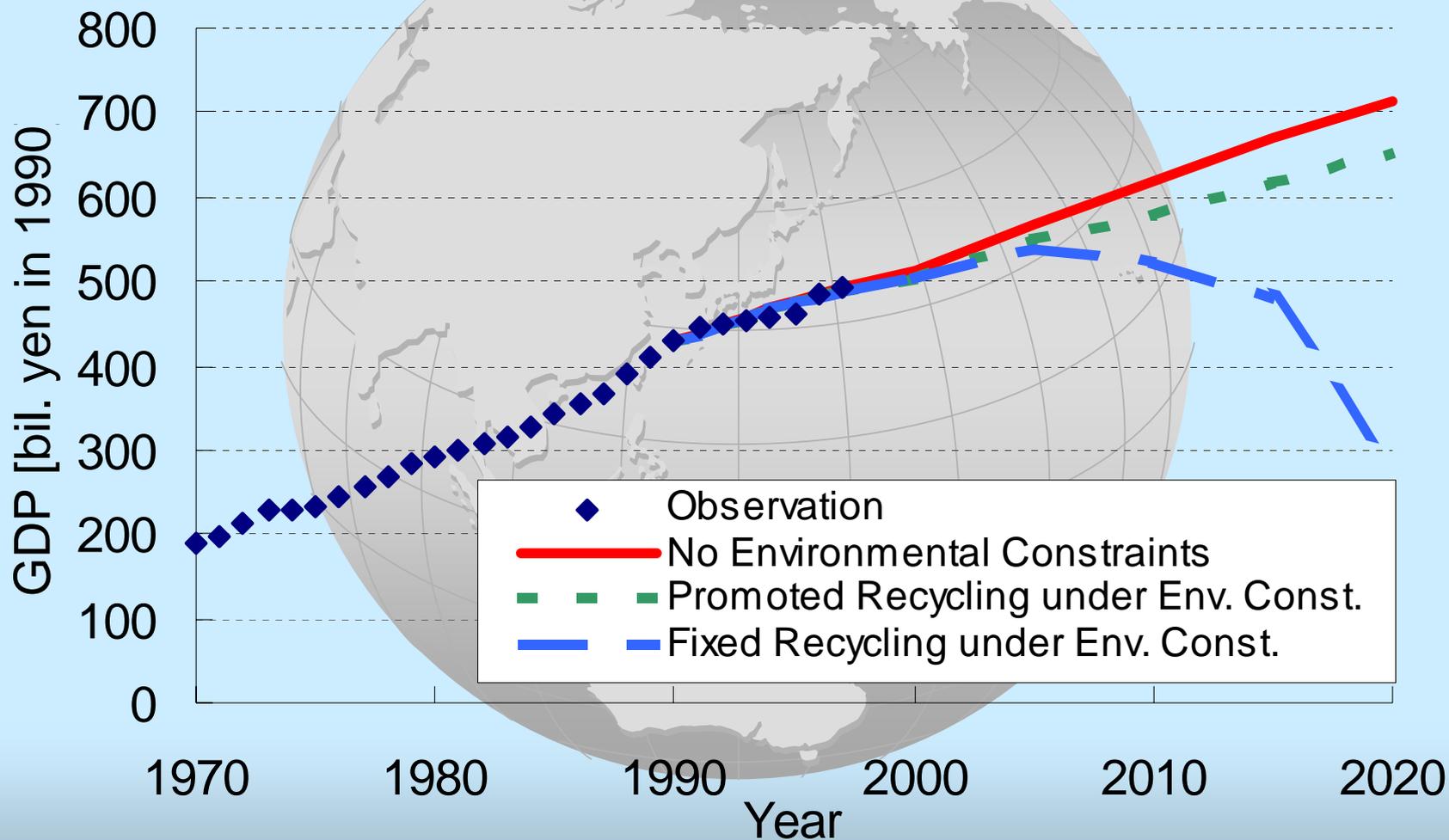
Environmental Policies

Carbon Reduction Policy <- Kyoto Protocol

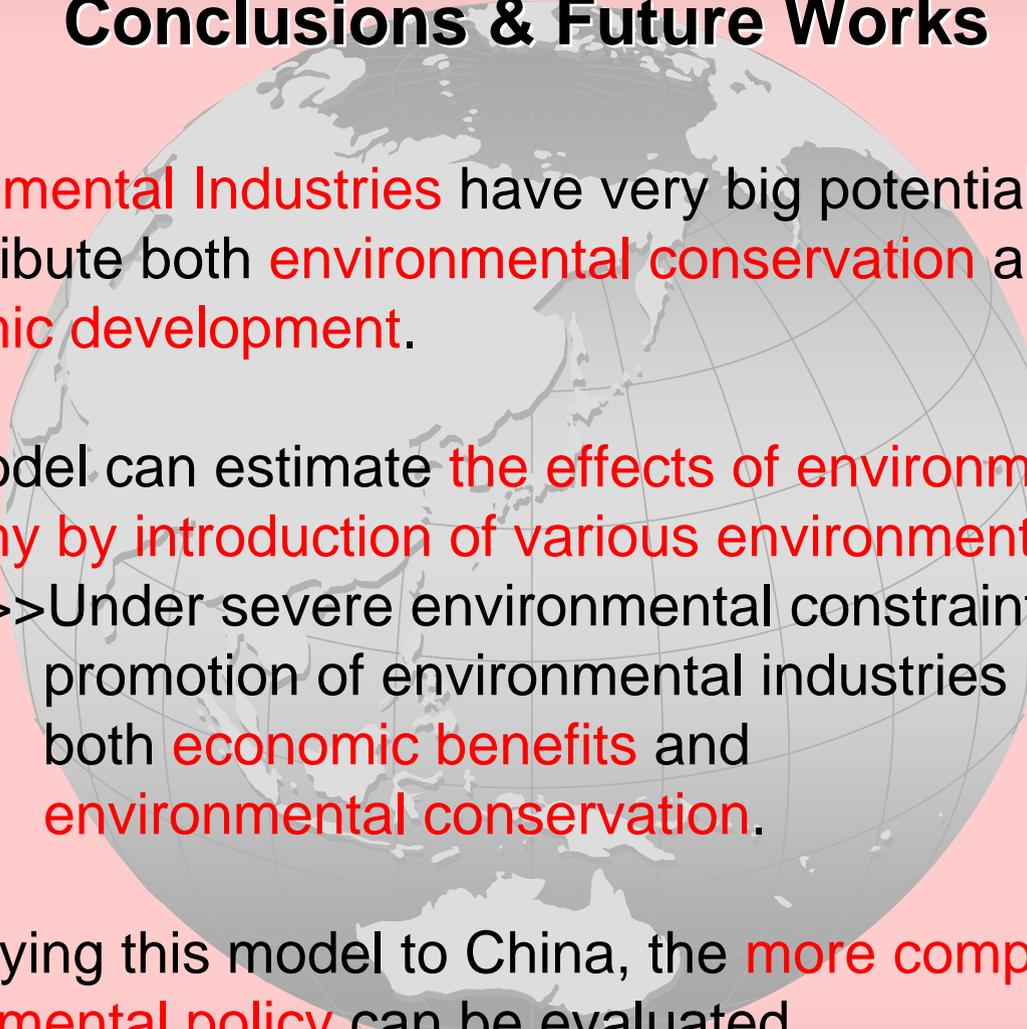
Recycling Policy <- Government Target

Preliminary Results of Japan

<Promotion of Recycling & technology progress>



Conclusions & Future Works



Environmental Industries have very big potentials to contribute both **environmental conservation** and **economic development**.

This model can estimate **the effects of environment and economy by introduction of various environmental policies**.

>> Under severe environmental constraints, promotion of environmental industries brings both **economic benefits** and **environmental conservation**.

By applying this model to China, the **more comprehensive environmental policy** can be evaluated.