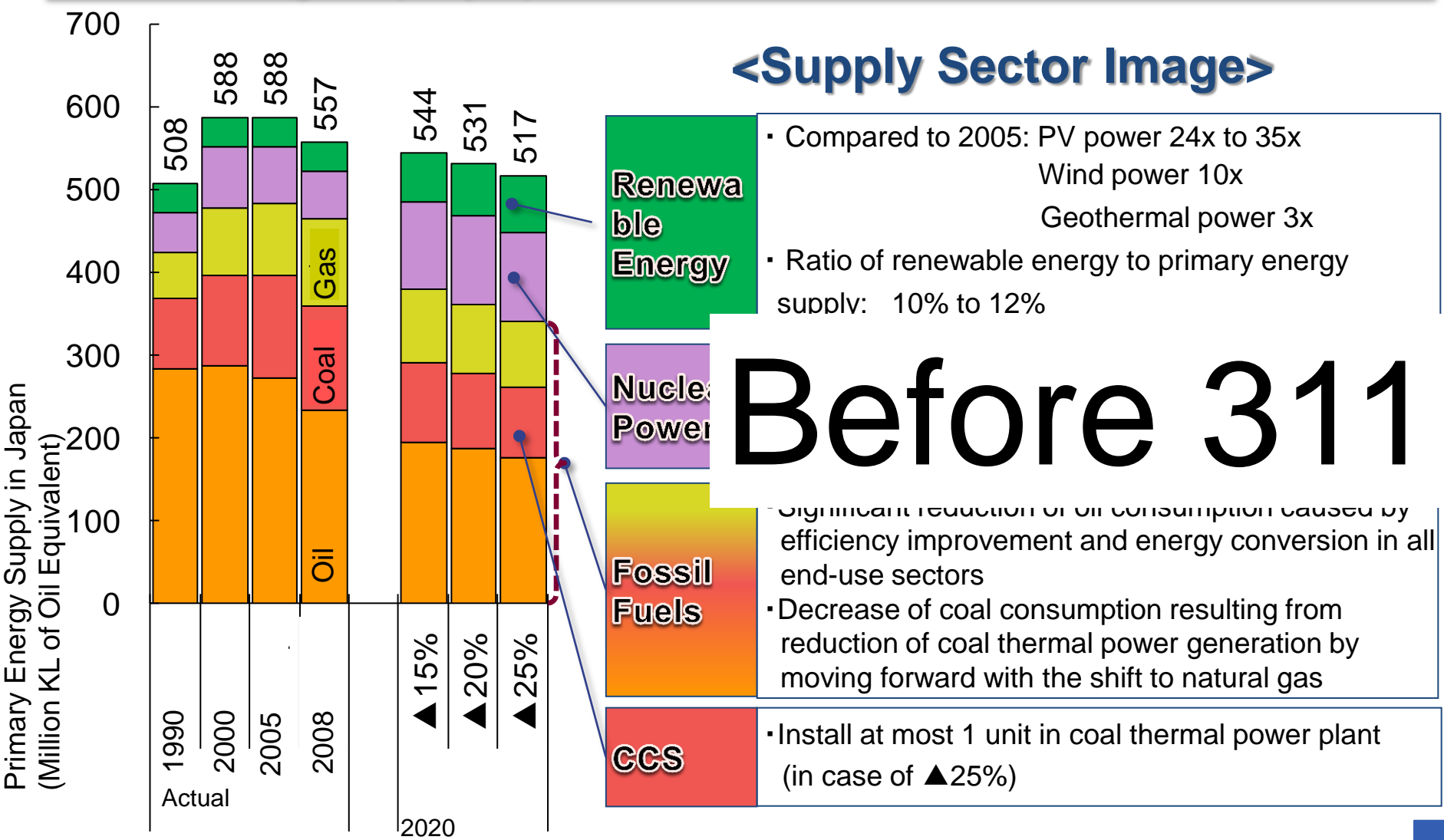


What are the Measures to be implemented to attain the CO2 Reduction Target?

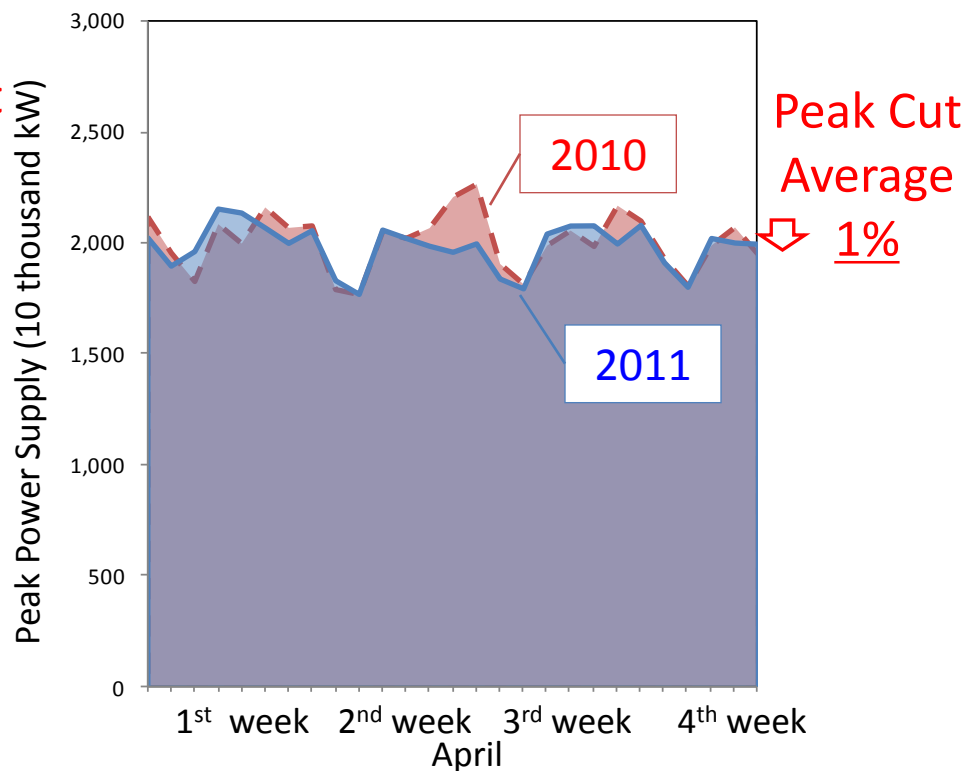
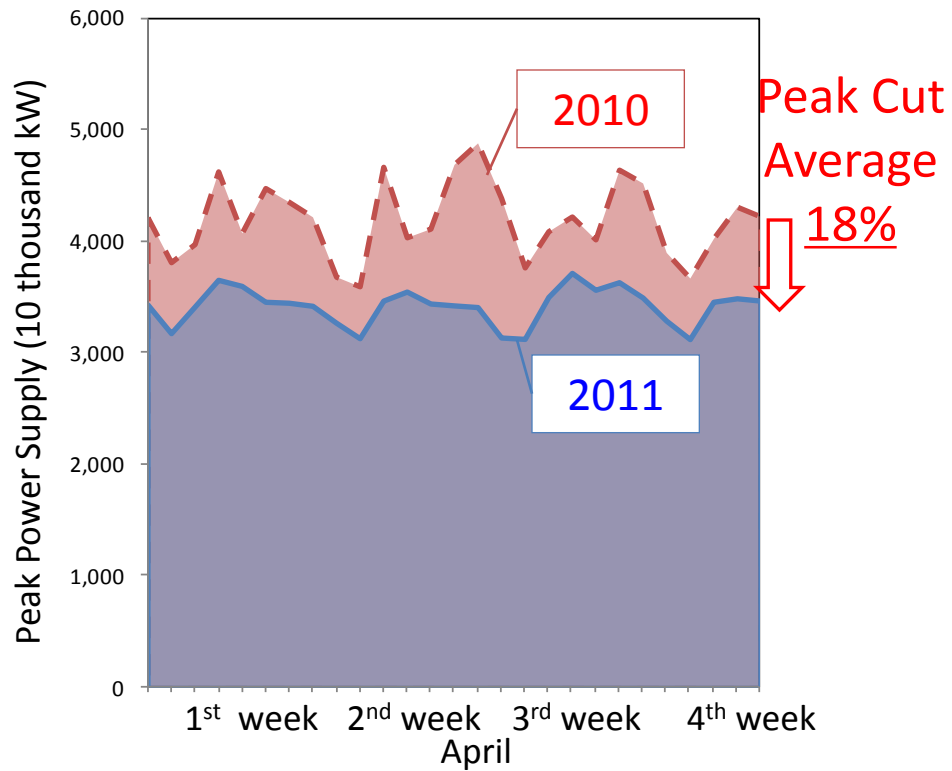
Further discussions are scheduled to be held on the quantitative verification of policy effectiveness, the supply structure for low-carbon technologies and the existence of additional burdens resulting from policy implementation.



Electricity Consumption – April 2011 and April 2010

Peak Power Supply by Tokyo Electric Power Company

Peak Power Supply by Kansai Electric Power Company



Monthly Total Electricity Consumption	
2010	23billion kWh
2011	19.5billion kWh
) 15% Cut	

Monthly Total Electricity Consumption	
2010	11.4 billion kWh
2011	11.3 billion kWh
) 0.2% Cut	

$3E+S \rightarrow 3S+R$

$3E+S=$

Energy, Economy, Environment

+

Security

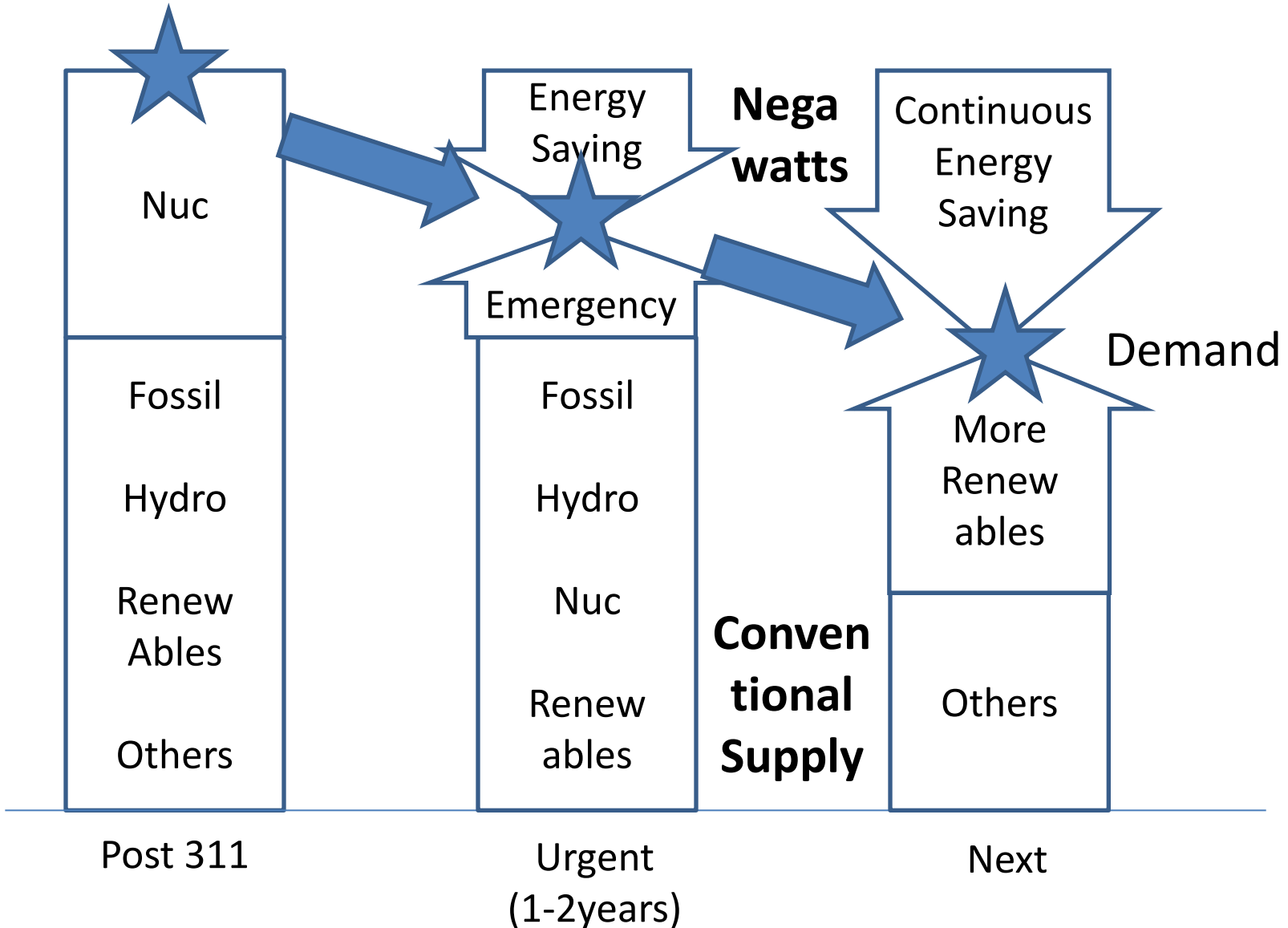
$3S+R=$

Smart, Secured, Sustainable

+

Resilience

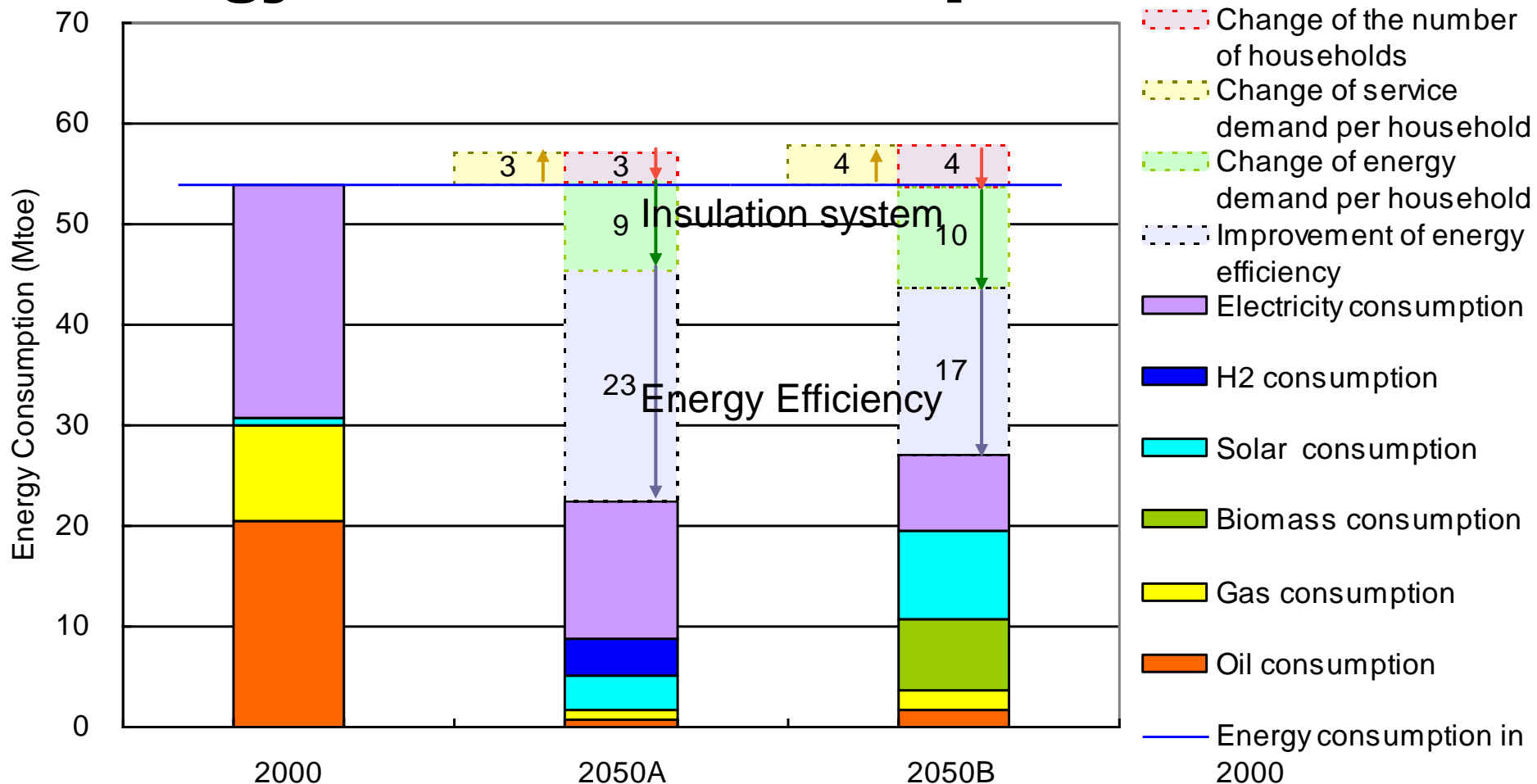
Triage of Energy Supply and Demand



Residential sector

Release on Feb 15, 2007

Energy demand reduction potential: 50%



Change of the number of households: the number of households decrease both in scenario A and B
 Change of service demand per household: convenient lifestyle increases service demand per household
 Change of energy demand per household: high insulated dwellings, Home Energy Management System (HEMS)
 Improvement of energy efficiency: air conditioner, water heater, cooking stove, lighting and standby power

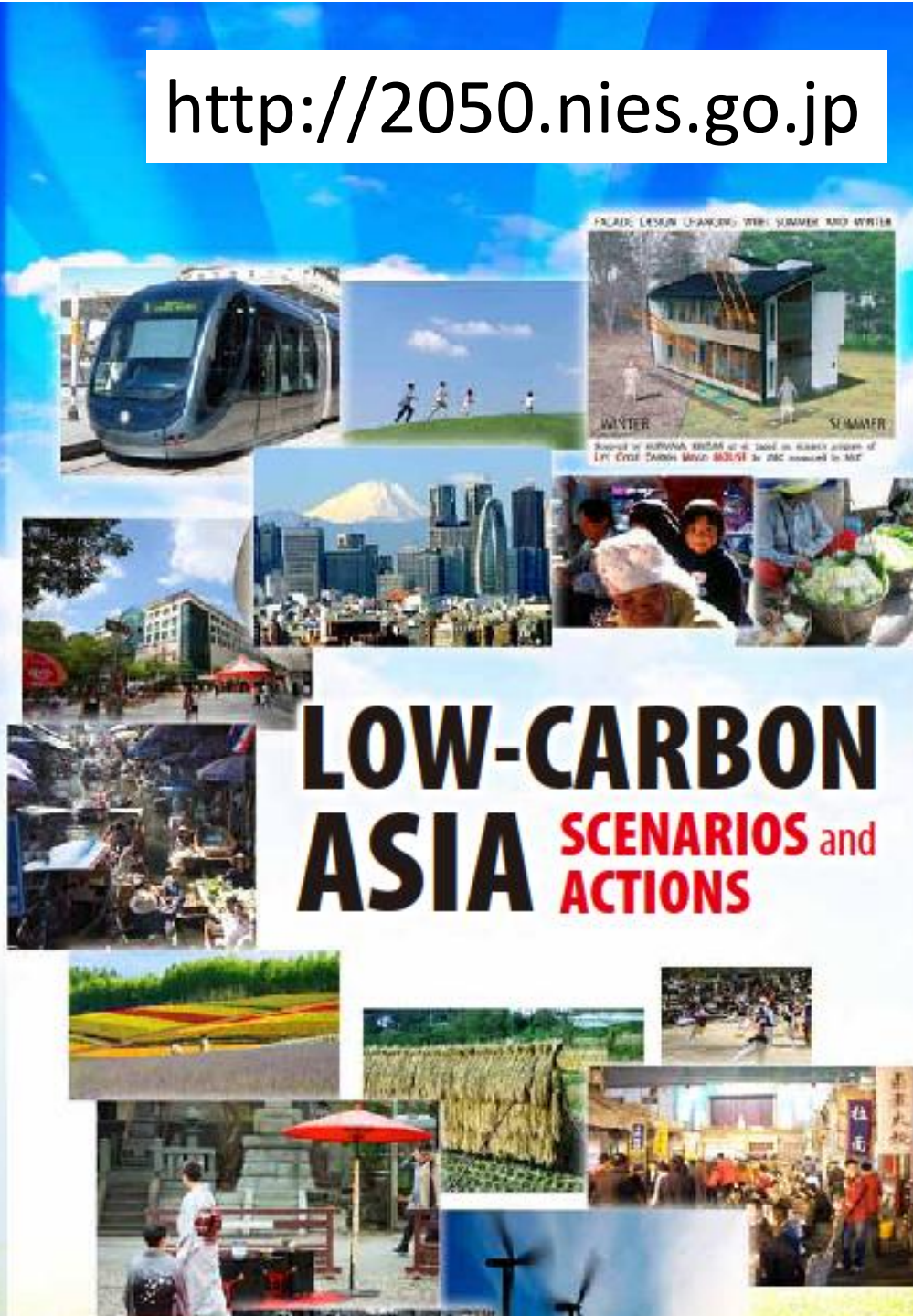
<http://2050.nies.go.jp>



Scenario development status

 Japan	 Shiga (Japan)	 Kyoto (Japan)	 Vietnam	 Indonesia	 Jilin (China)
 Thailand	 Ratchaburi (Thailand)	 India	 Ahmedabad (India)	 Iskandar (Malaysia)	 Putrajaya (Malaysia)

 AIM Family



LOW-CARBON ASIA SCENARIOS and ACTIONS

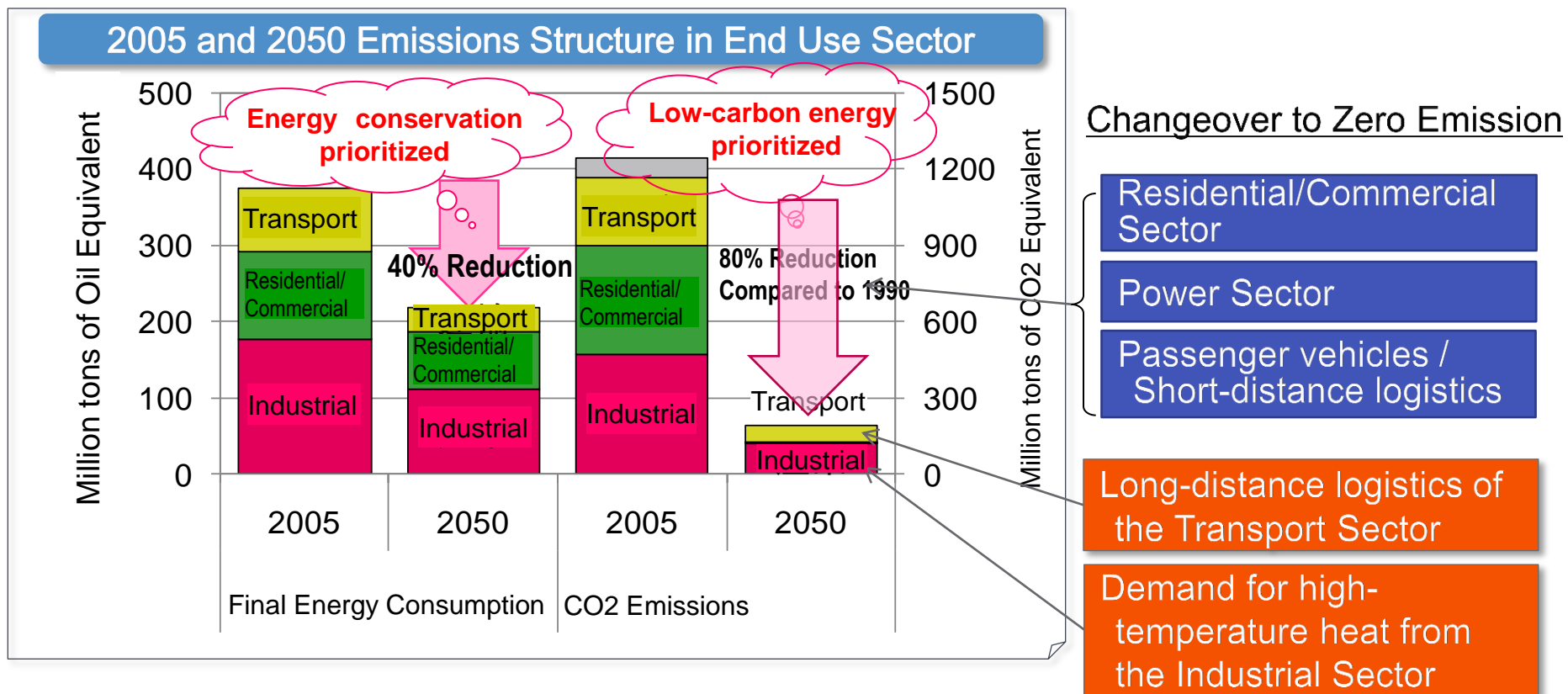
Let's create
good design
for happy LCS!

Junichi Fujino
fuji@nies.go.jp



(3) Energy Consumption and CO2 Emissions Structure in 2050

- In the 80% reduction society in 2050, demand for high-temperature heat from the industrial sector and long-distance logistics from the transport sector will preferentially and strategically utilize fossil fuels.
- The residential and commercial sector, power sector as well as passenger vehicles and short-distance logistics will need to be zero emission.



Source: Compiled based on preliminary calculations from the snapshot model of the Low-Carbon Society Research Project 2050
 (*Preliminary calculation representing one possible scenario if the 80% reduction target for 2050 is met)