



Promotion of Energy ITS

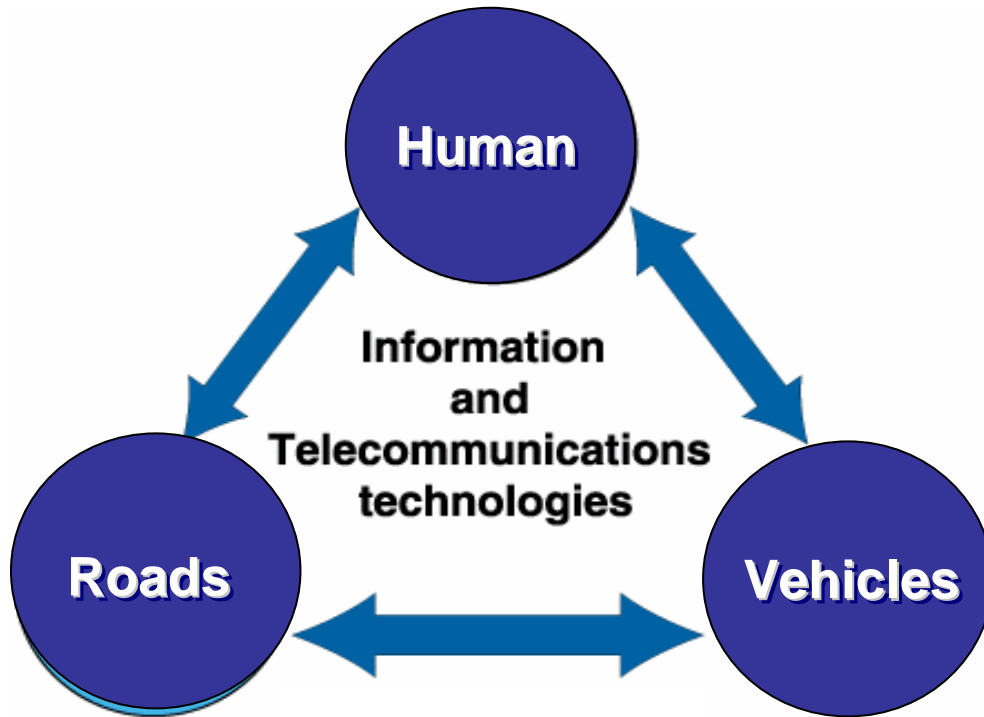
4 March, 2008

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Meijo University

2008 EU-Japan Cooperation Forum on ICT Research

1. Intelligent Transport Systems



Examples

Car navigations

Electronic Toll Collection System



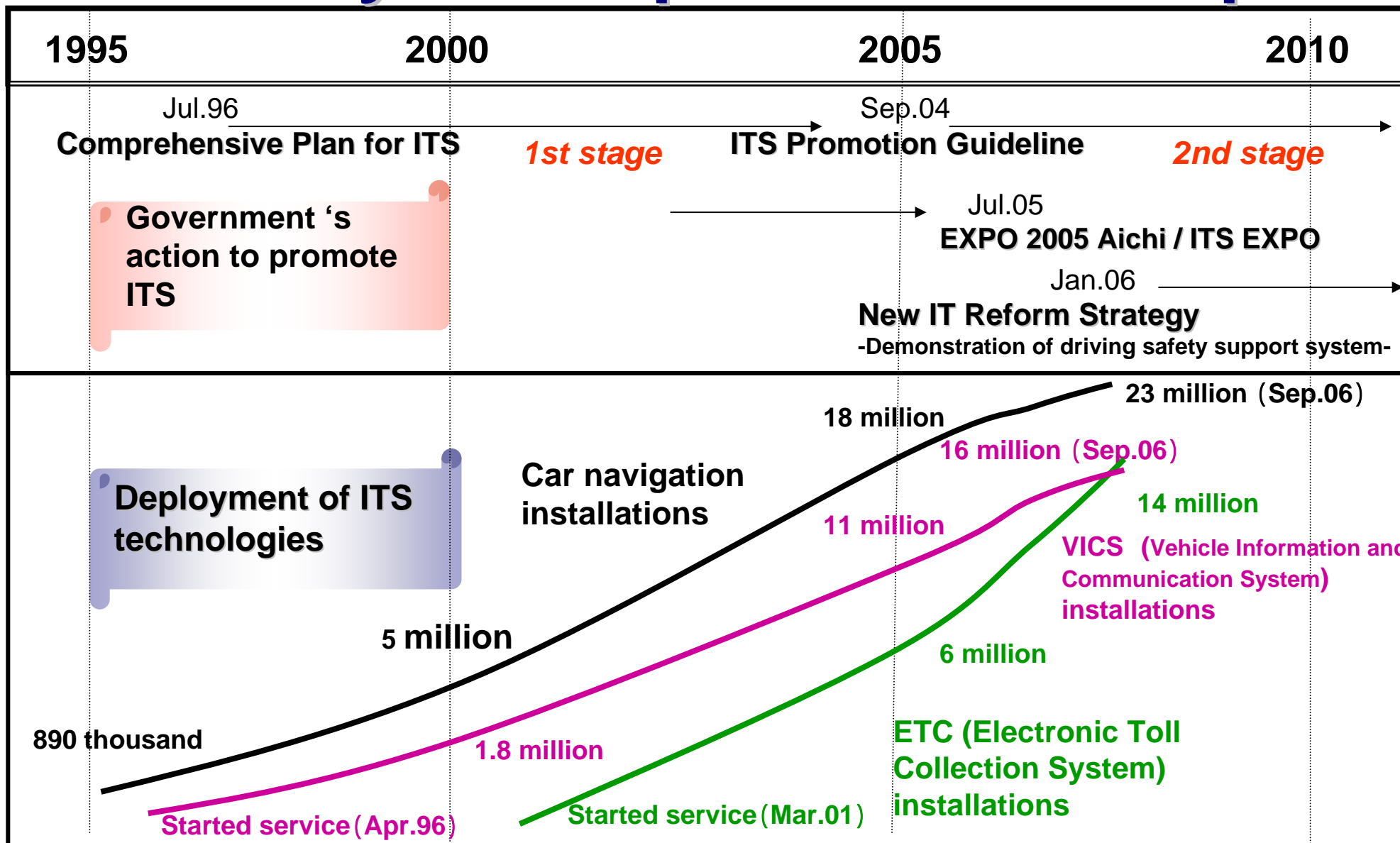
Road traffic information system



Management of public transportation

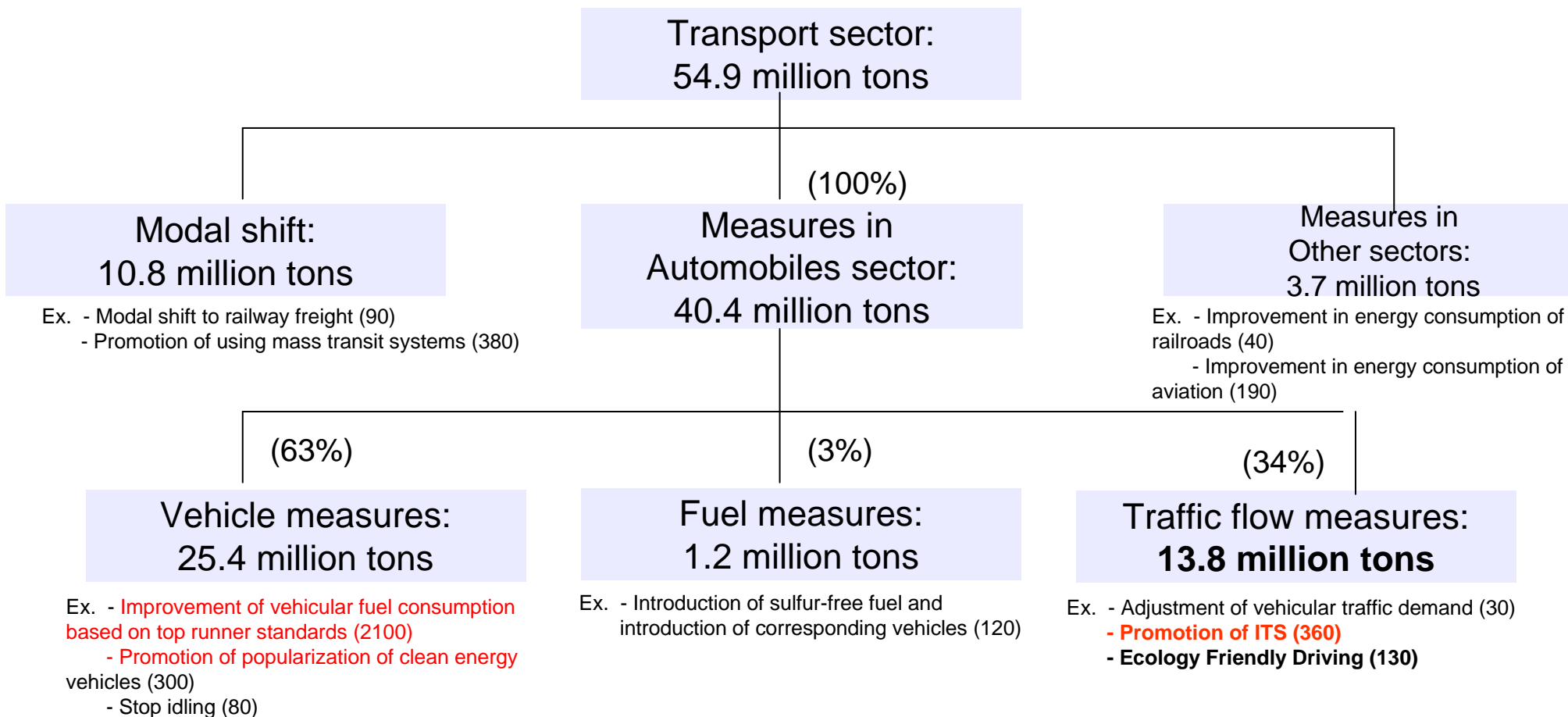


2. History of ITS promotion in Japan

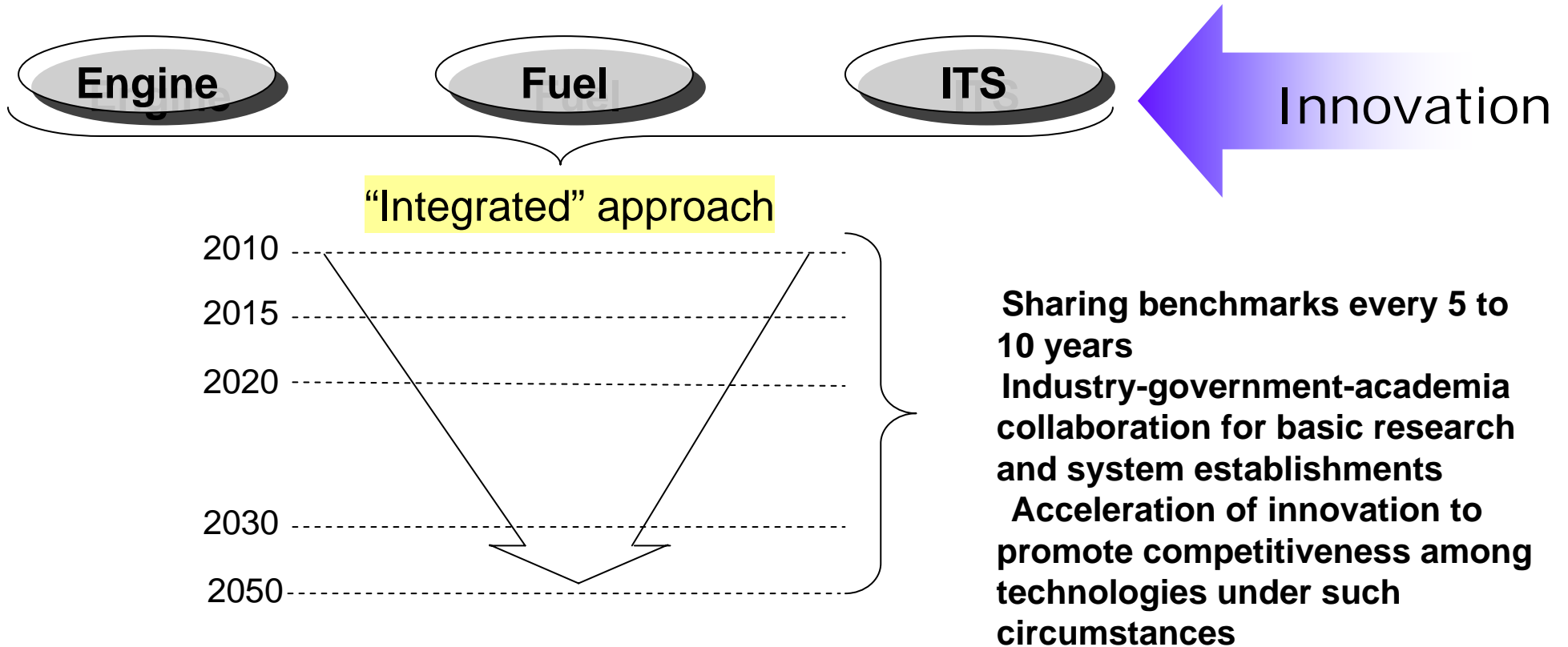


3.CO2 emission reduction in Transport Sector

According to the plan to attain the target of the Kyoto Protocol, the reduction of CO2 emission by 63 % in the transport sector depends specifically on the enhancement of vehicular fuel efficiency, while traffic flow measure of effectively using its as a reflection of the motorized society contributions



4.Strategy of environment and energy on Vehicle and Fuel



5. G8 Summit Declaration

G8 Summit 2007
Heiligendamm



Growth and Responsibility in the World Economy

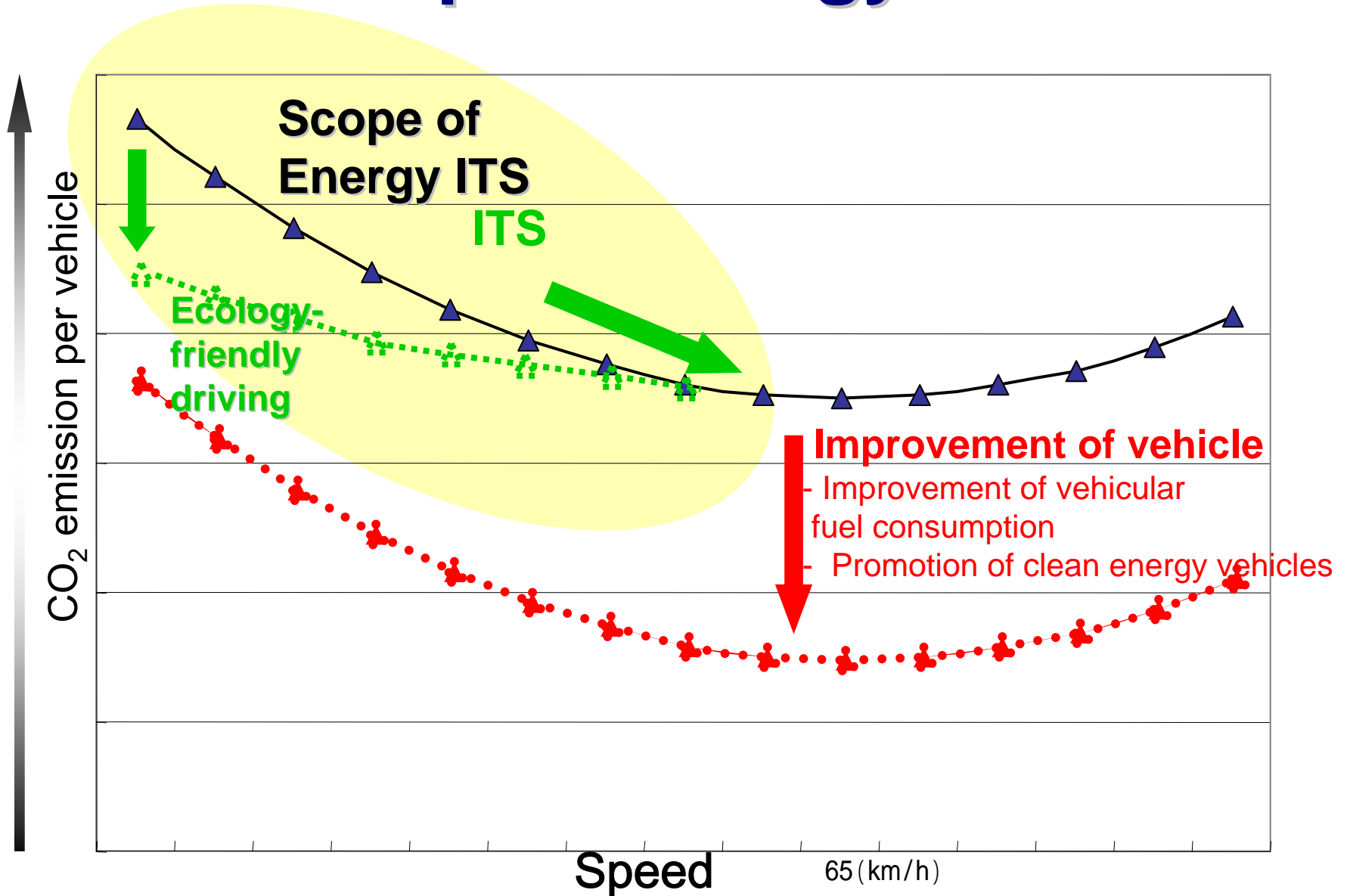
43. ...Addressing the challenge of energy security will require unprecedented international cooperation in several areas, including market transparency, enhancing energy efficiency, diversifying energy supplies and developing and deploying new and transformational technologies.

49. ... In setting a global goal for emissions reductions in the process we have agreed today involving all major emitters, we will consider seriously the decisions made by the European Union, Canada and Japan which include at least a halving of global emissions by 2050.

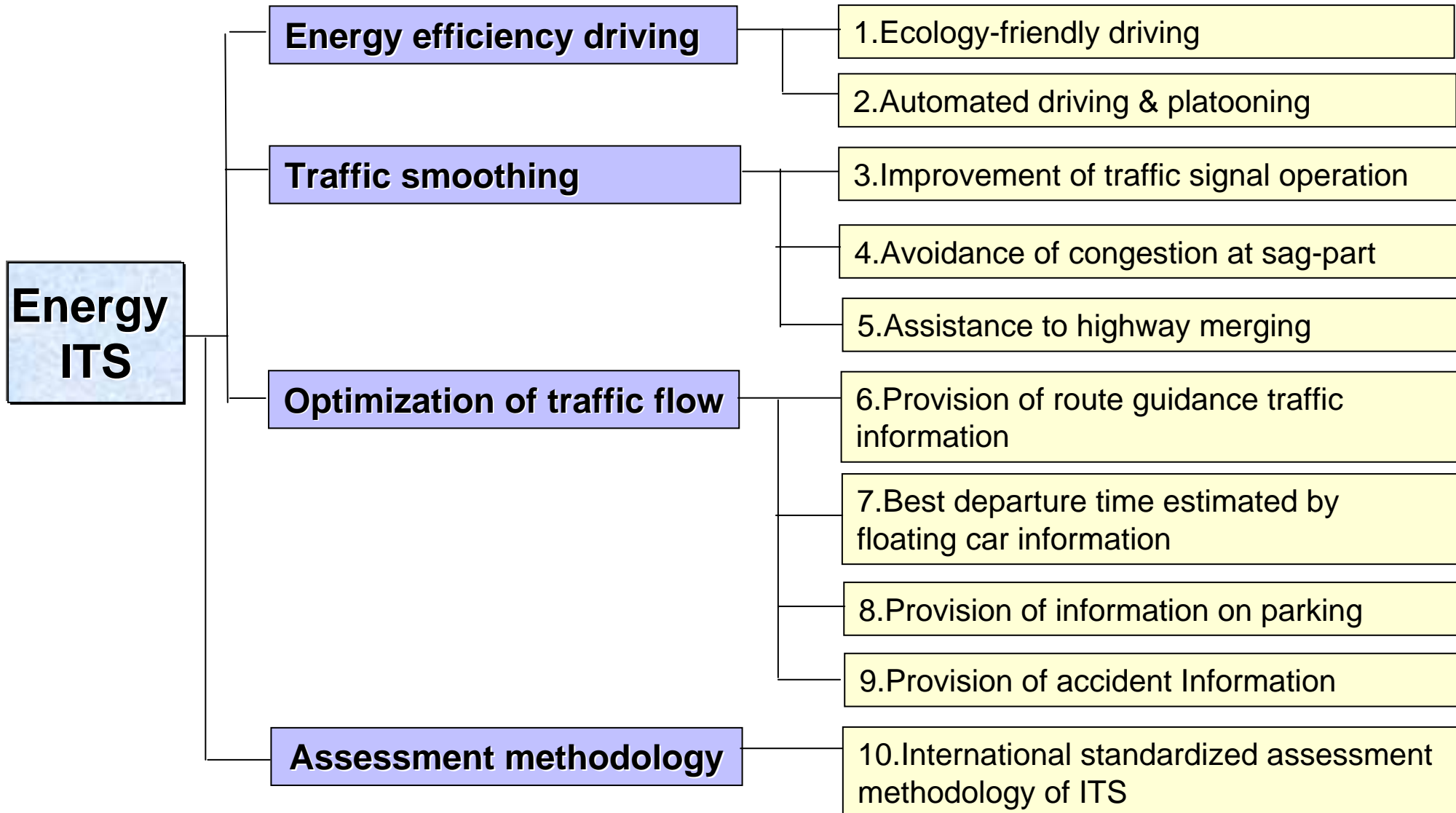
54. Technology is a key to mastering climate change as well as enhancing energy security. ...Therefore, we will...

scale up national, regional and international research and innovation activities and...

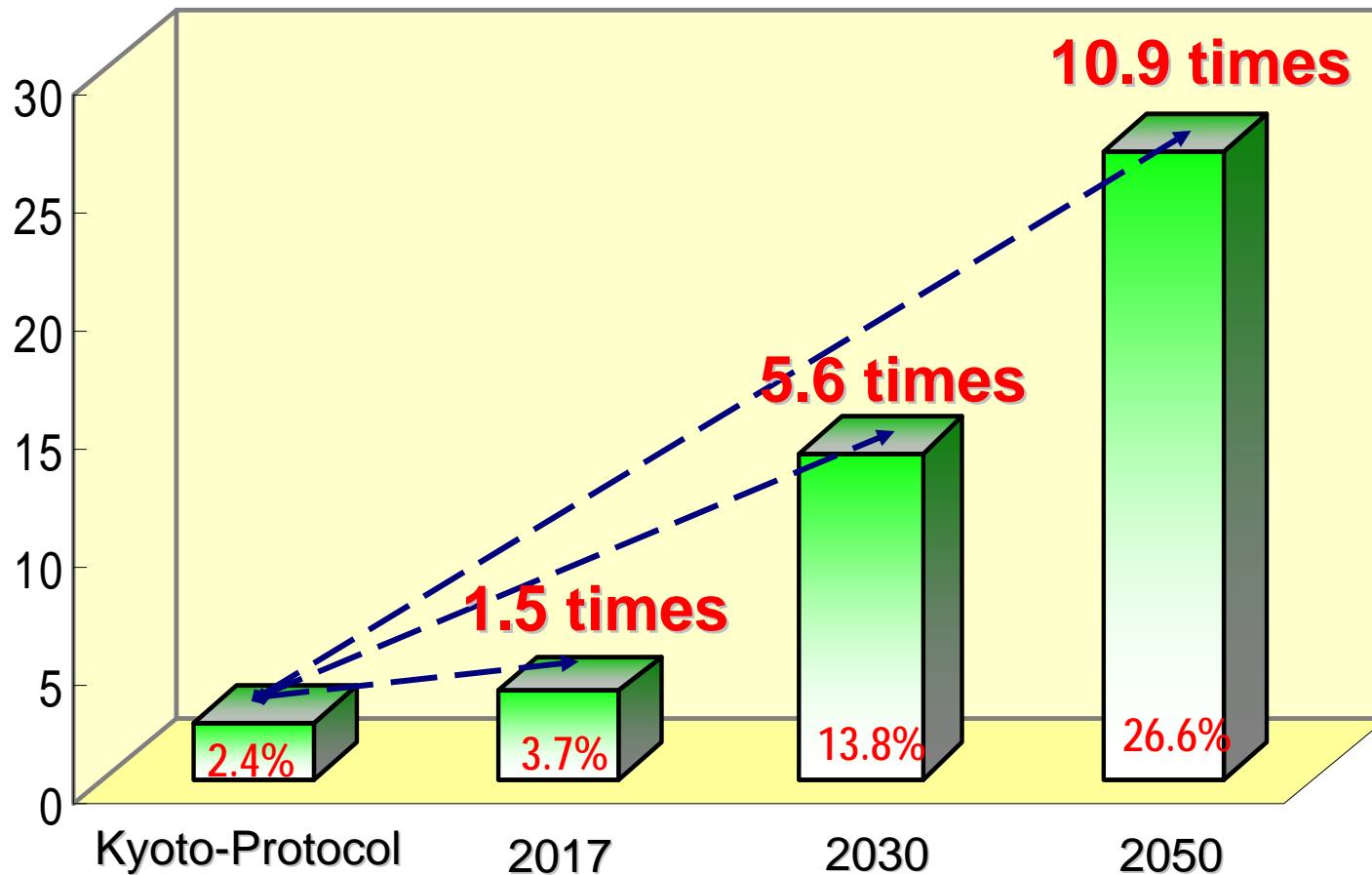
6. Concept of Energy ITS



7. Measures of Energy ITS



8. Potential of ITS effects on CO2 reduction rate

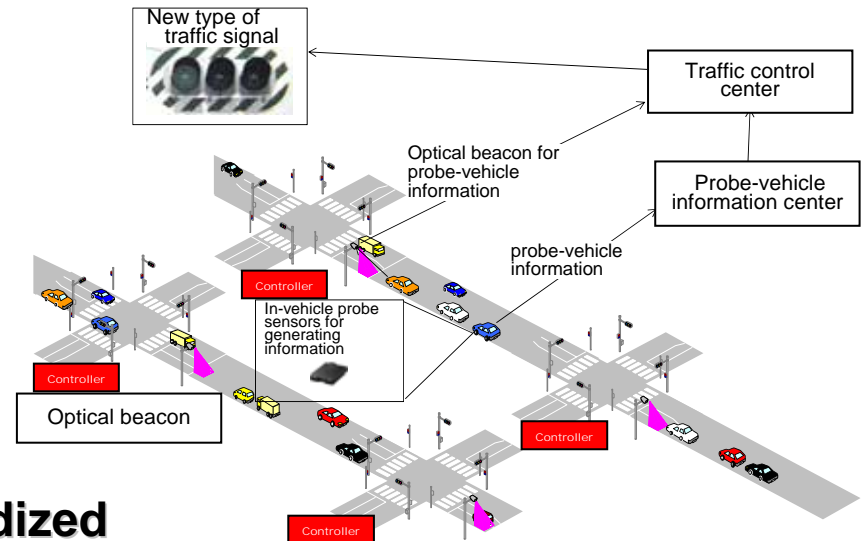


9.3 project being launched from FY 2008

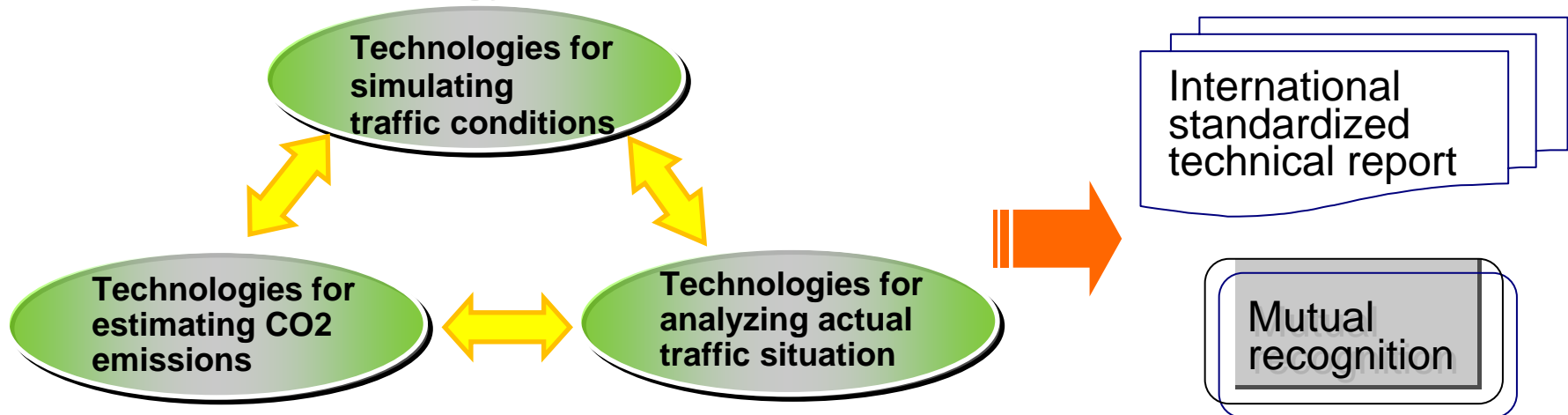
(1) R&D of cooperative driving (autonomous driving)



(2) R&D of improvement of traffic signal control



(3) Establishment of international standardized assessment methodology of ITS





Thank you for attention

御清聴ありがとうございました