



APRU 12<sup>th</sup> ANNUAL PRESIDENTS MEETING

# Development of Innovative Talent

June 27, 2008

Senior Advisor, IBM Japan, Ltd.  
Former Chairman, KEIZAI DOYUKAI

**Kakutaro Kitashiro**

# Agenda

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- ◆ Innovation Initiatives in the World
- ◆ Challenge to Innovation
- ◆ Expectations for APRU

# Innovation Initiatives in the World

# Japan: Precursor to Worldwide Problems & Issues

- Climate Change
- Limited Natural Resources
- Food Supply
- Aging Population
- Huge Long-Term Government Debt
- Sustainability of Social Security System

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Prime Minister of Japan  
Yasuo FUKUDA

## ★FUKUDA Vision★

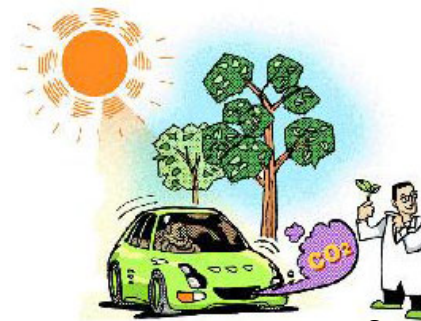
【Cool Earth Program】

Reduction of CO<sub>2</sub> Emission,  
by 2050, 60-80%  
of its Current Level

# “Innovation 25” initiative in Japan

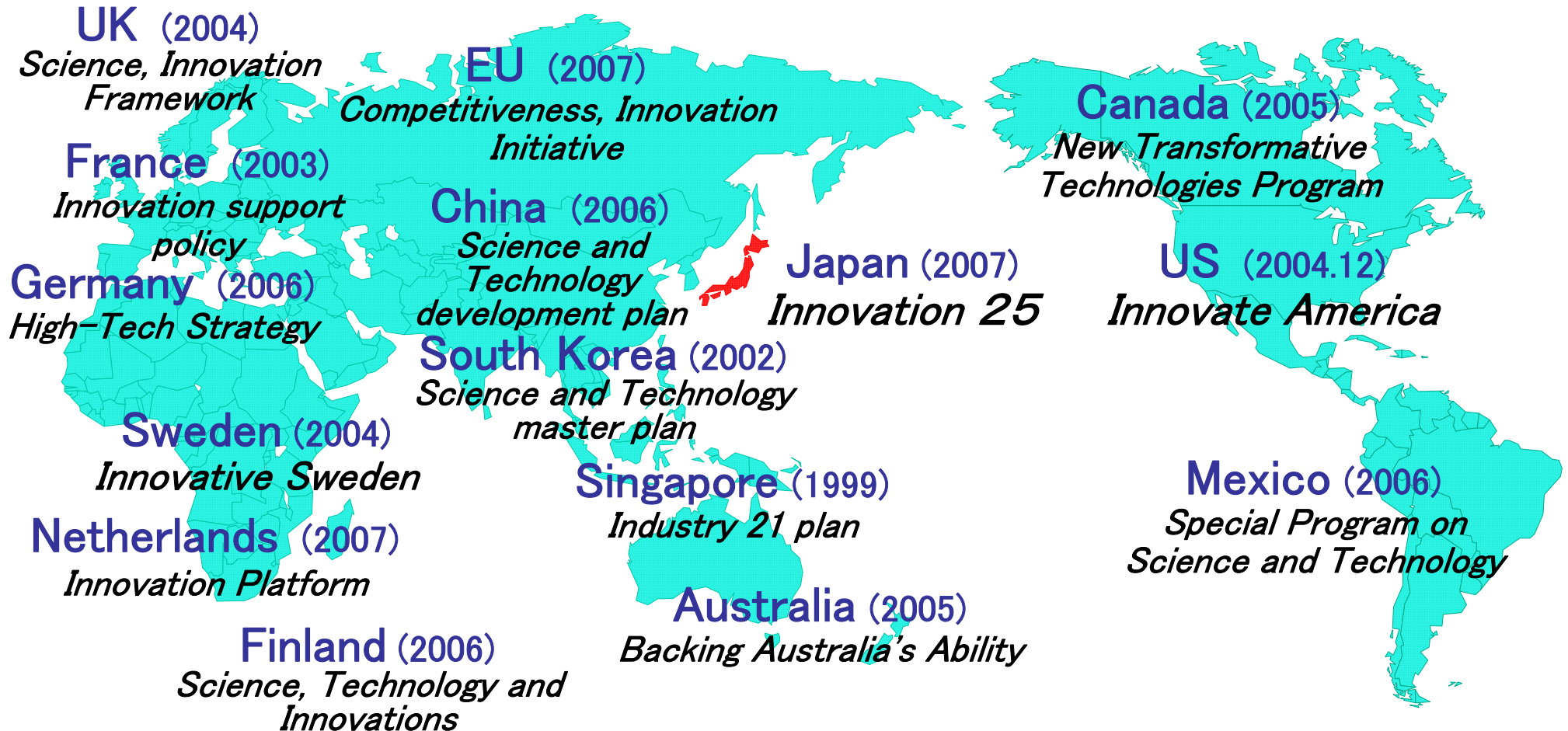
## Long-term Strategy Initiative towards the Year 2025

- Development of Social Environment for Promotion of Innovation
- Investment for Next-Generation Talent
- University Reform
- International Contribution through Science and Technology
- Promotion of Public Awareness



Source: Cabinet Office “Innovation 25” website

# Innovation Initiatives in the World



# Innovate America: “Palmisano Report” (Dec. 2004)



Promotion of Innovation for Sustainable Development in US

Key to Innovation

1. Talent

2. Investment

3. Infrastructure



<http://www.compete.org/>

Mr. Sam Palmisano  
 Co-Chairman, Council on Competitiveness  
 Chairman, President and Chief Executive Officer, IBM

# Challenge to Innovation

# Kaizen vs. Innovation

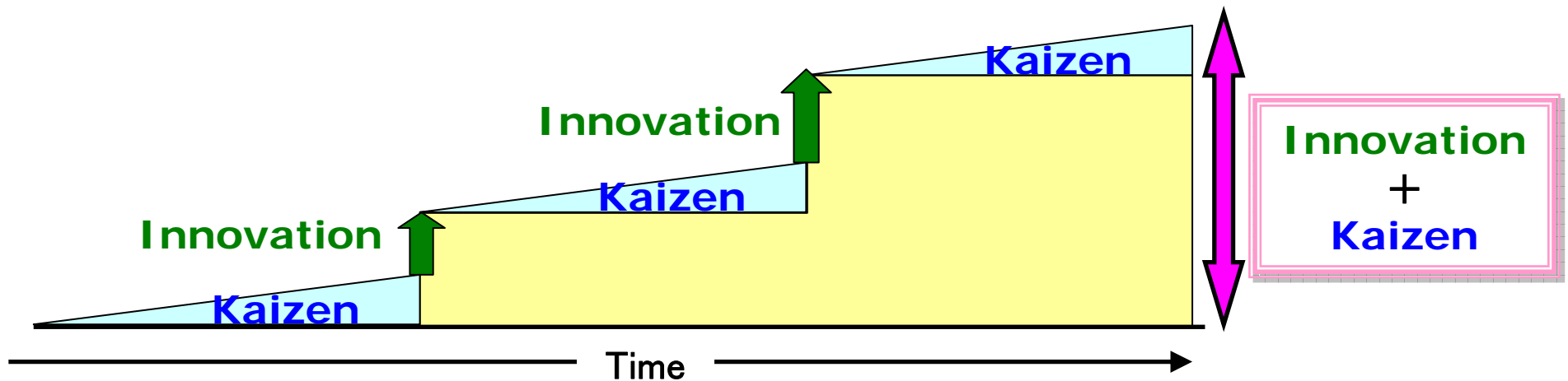
## Kaizen

### “Continuous Improvement”

- Incremental Improvement
- Evolutionary
- Long-term
- Adaptability
- All Employees

## Innovation

- Radical Improvement
- Revolutionary
- Short-term
- Creativity
- Leaders



## Promotion of Innovation

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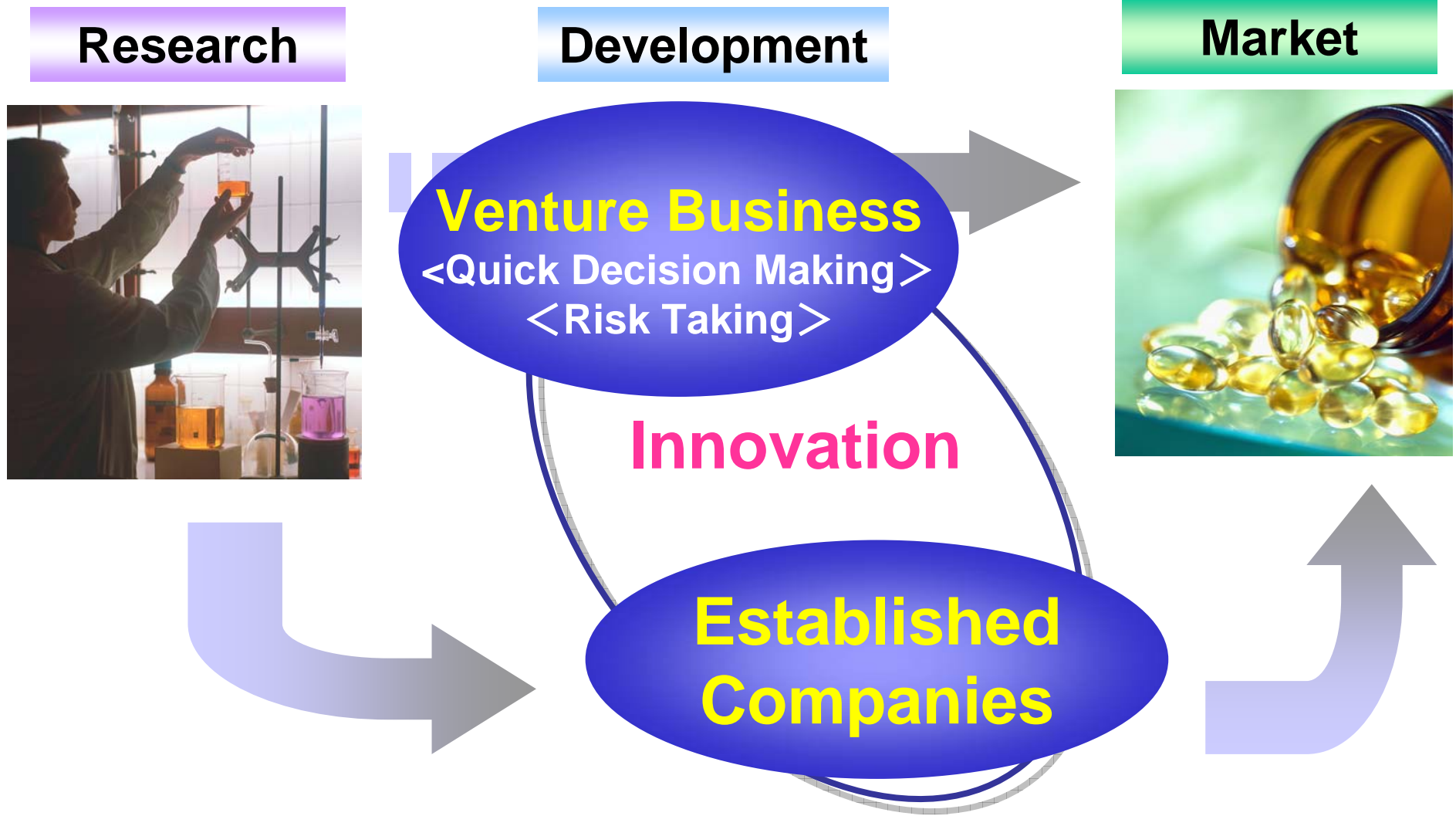
- **Challenging Targets/ Difficult Problems**

- **Application of Advanced Research**

- **Entrepreneurship**

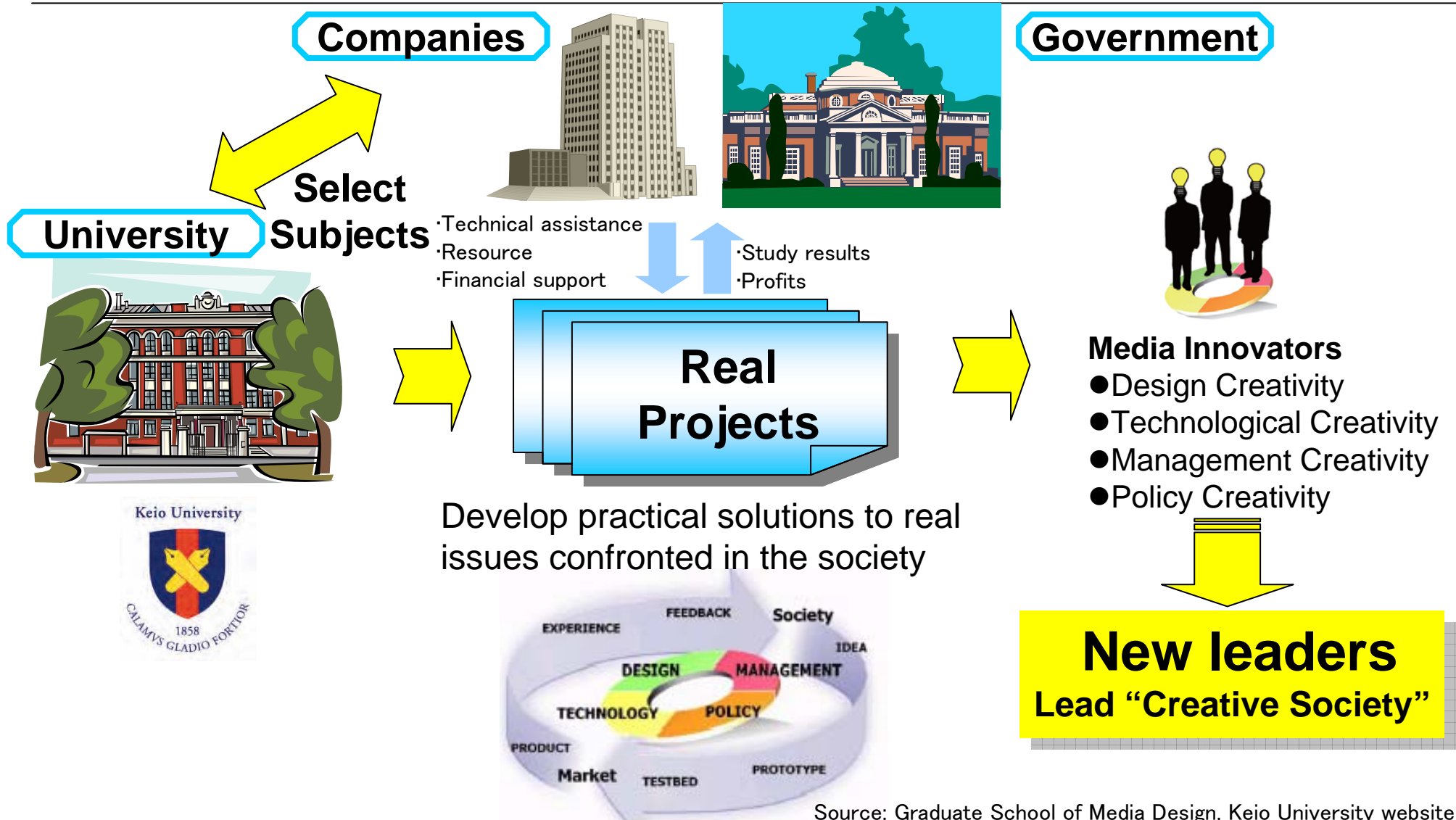
- **Discussion with People with Different Culture and Backgrounds**

# Role of Venture Companies for Innovation



# Expectations for APRU

# Graduate School of Media Design, Keio University

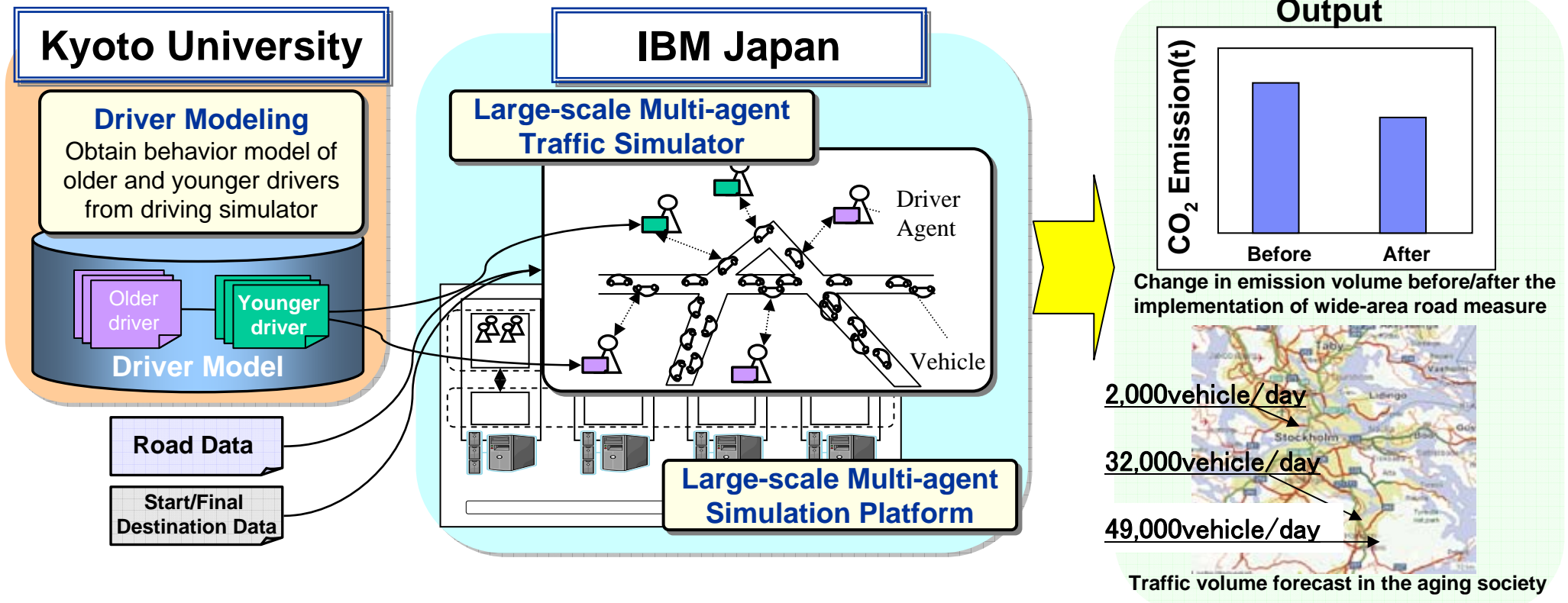


Source: Graduate School of Media Design, Keio University website

# Joint Research : Kyoto University and IBM Japan

## The Large-scale Multi-agent Traffic Simulator

A Broad Range of Urban Traffic Simulations involving Several Million Vehicles



➔ Support Future Urban Planning, such as City-wide Traffic Demand Control in the Aged Society, Low-carbon Society

# Expectations for APRU

- **Address Worldwide Problems/ Issues through Innovation**
- **Exchange of University Students and Professors**
- **Collaboration with Universities and Industries/ Venture Companies  
Joint Research/ Joint Projects/ Internship Programs**
- **Encourage Entrepreneurs**
- **Best Practice Sharing**



# Development of Innovative Talent

## Innovative Attitude

- Breakthrough thinking
- Risk taking
- Decision making
- Drive to achieve
- Leadership



## Basic Academic Skills

- Arts and sciences
- Basic academic skills

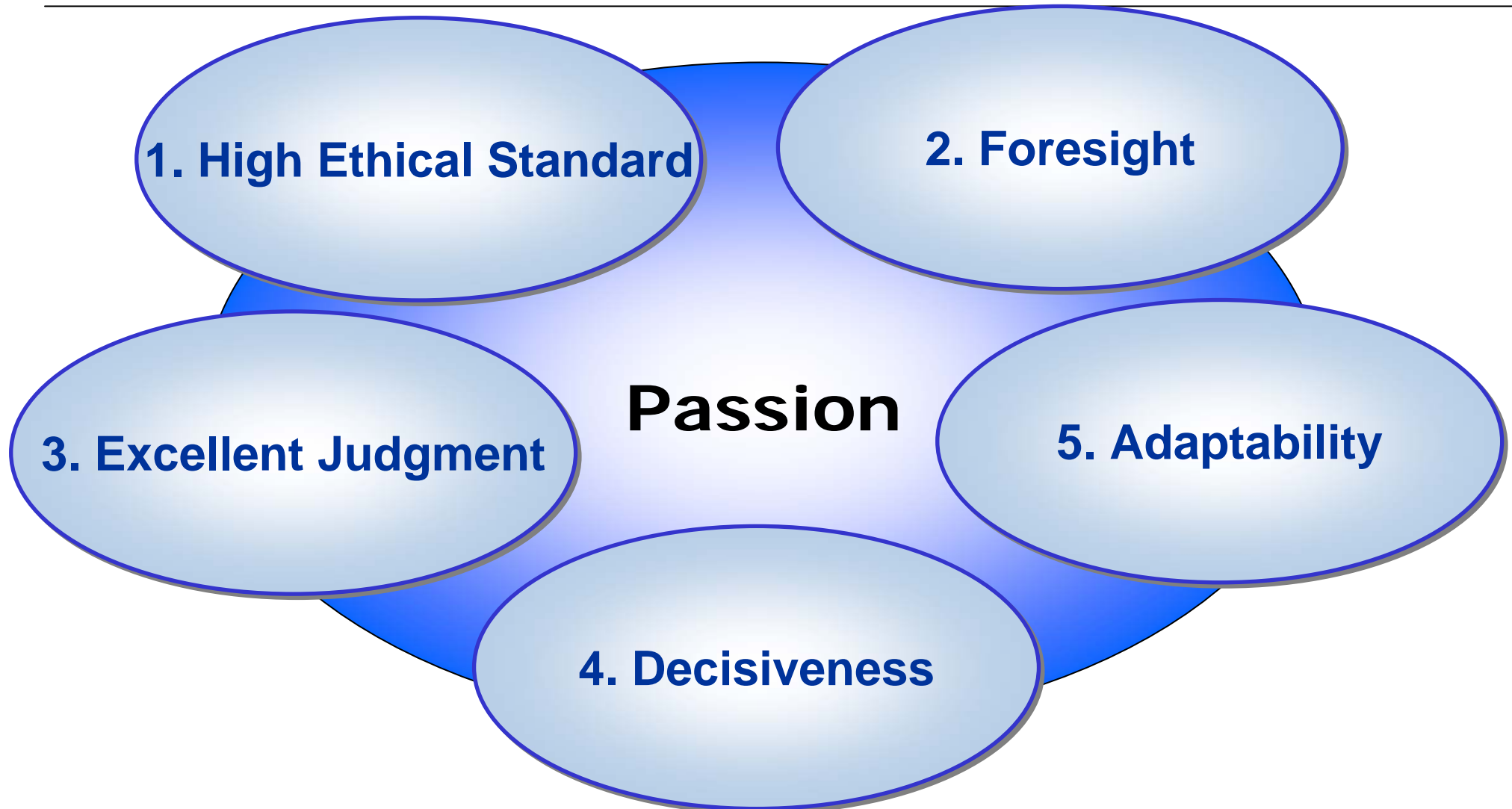
## Ethics

- Ethics
- Philosophy
- Public morality
- Respect diversities

## Fundamental Skills as a Member of Society

- Passion
- Aspirations
- Communications
- Language skills

# Qualification for Future Executives



Source: Keizai Doyukai 2007.5.9 "Qualification for executives"

## Summary

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Innovation : the Key to the Growth

Development of Innovative Talent

Collaboration with Universities and Industries