

Approach of Energy Efficiency Standards and Labeling Policy Supporting Project, and IEEJ's activities

January 28, 2011

The Institute of Energy Economics, Japan
Global Environment and Sustainable
Development Unit

Director

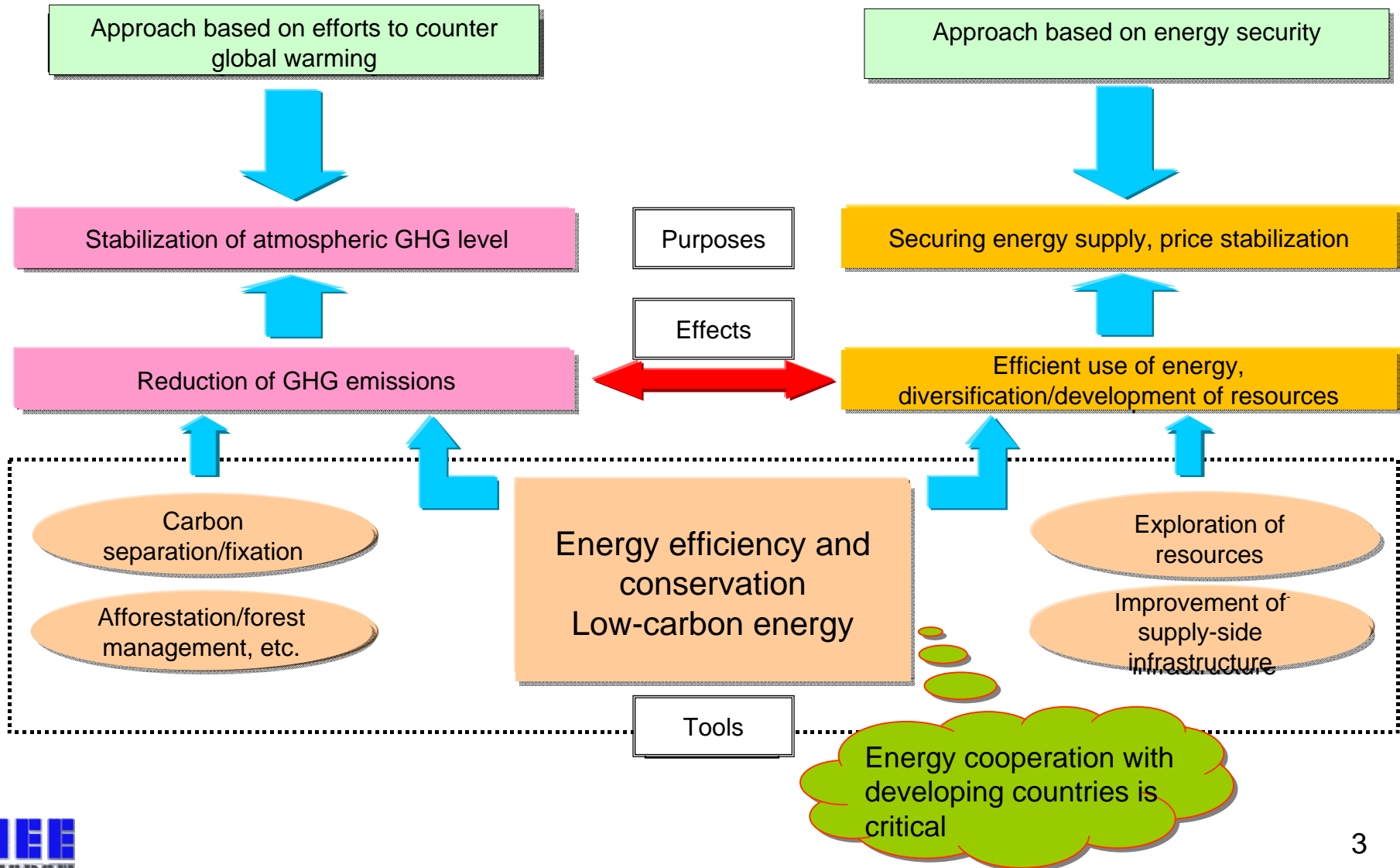
Hiroki KUDO

(kudo@tky.ieej.or.jp)

Background of Policy Development Assistance Projects for Energy Efficiency

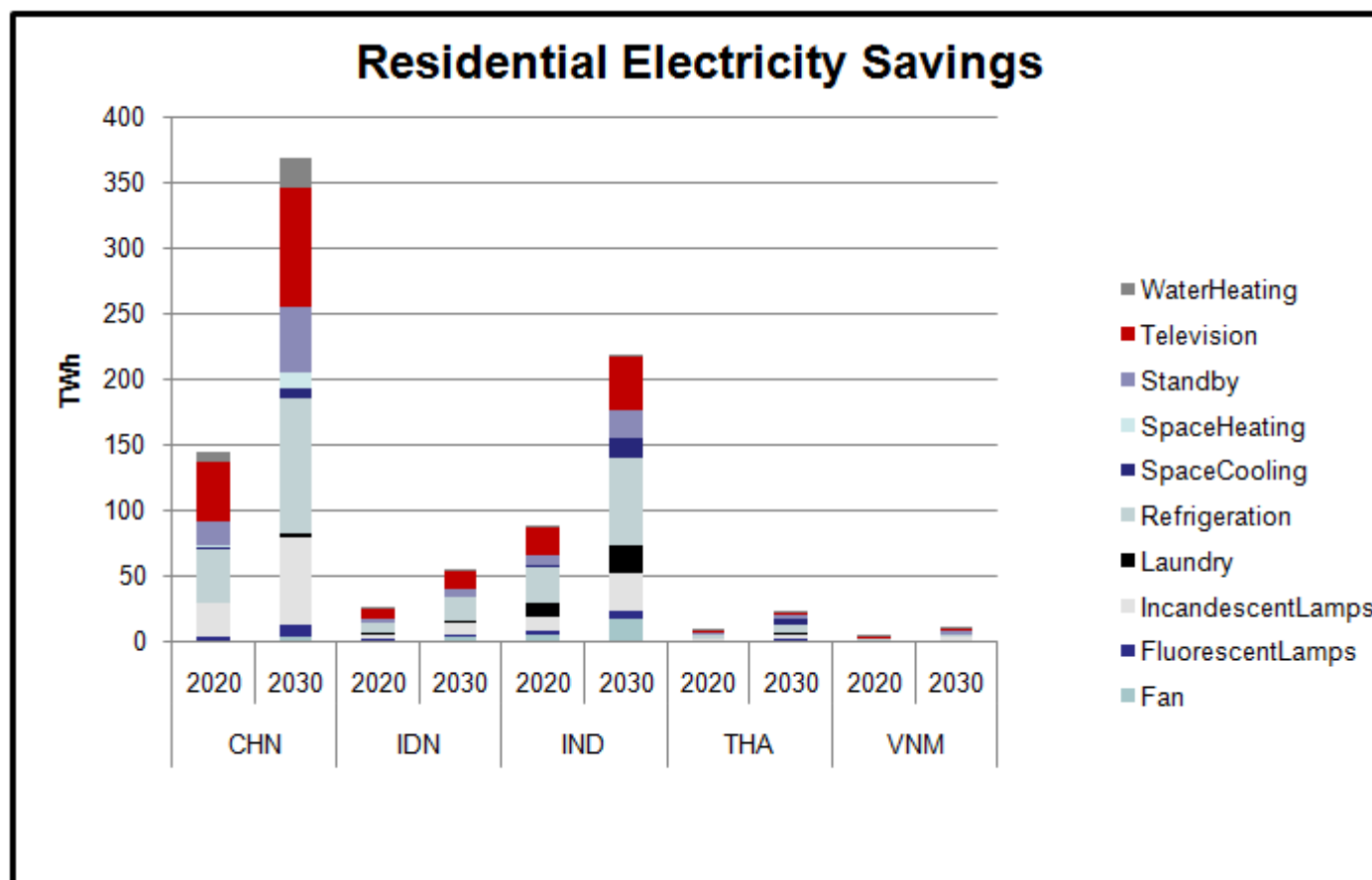
- ⊕ Japan's efforts to establish a "low-carbon society" managing both climate change and energy security issues
- ⊕ Need for developing countries consume energy more efficiently in order to maintain high economic growth.
- ⊕ Ever-increasing importance of cooperation for regional and global optimization by employing Japanese technology and knowledge to promote higher efficiency in developing countries

Efforts to tackle climate change and energy-related issues



Potential for S&L Policy in Household Appliance Sector

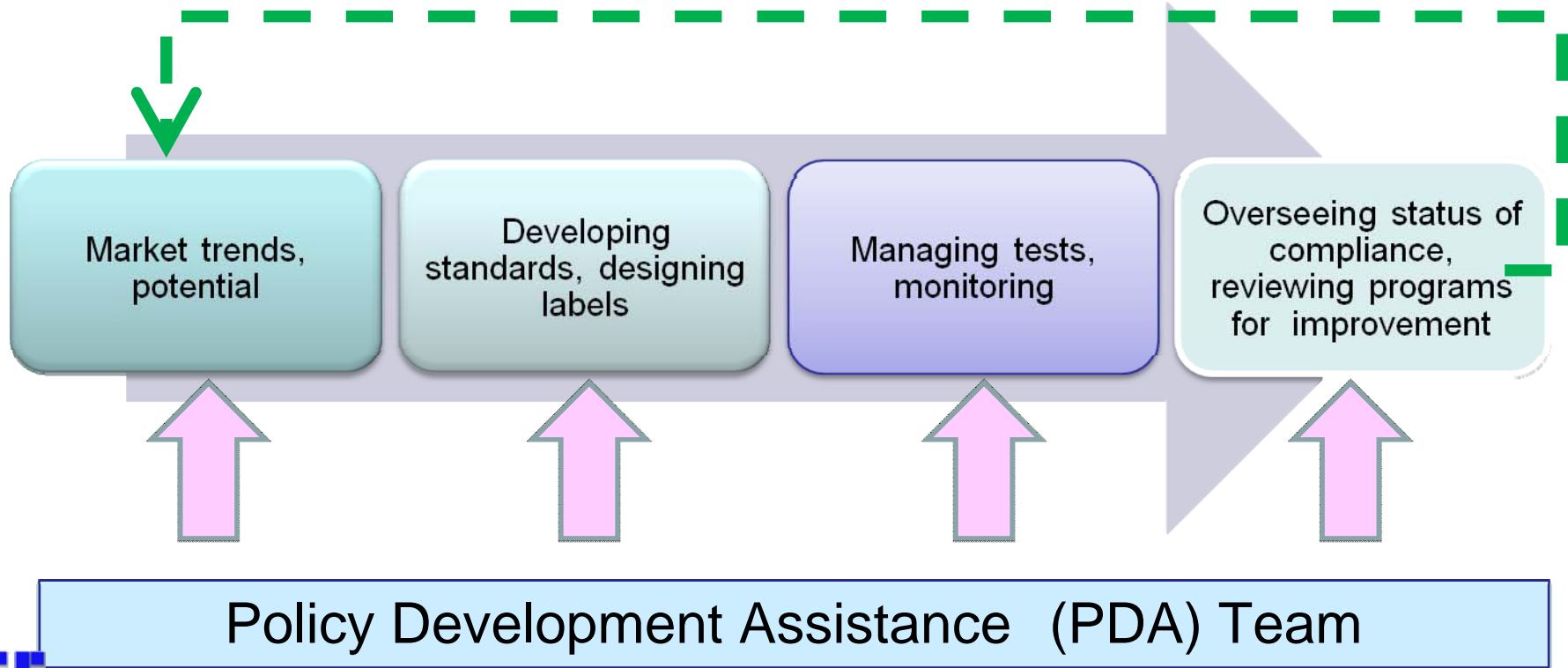
⊕ In light of future Asian economic growth, an effective S&L policy in household appliance sector is important.



(Source) IEEJ/CLASP Project in 2006

How will S&L Policy Development Assistance in the Household Appliances Sector work?

- ✦ Japanese technical specialist team to support S&L policy development and improvement according to country-specific circumstances, based on detailed review of market trends, current stage of policy review and status of policy implementation in host countries.

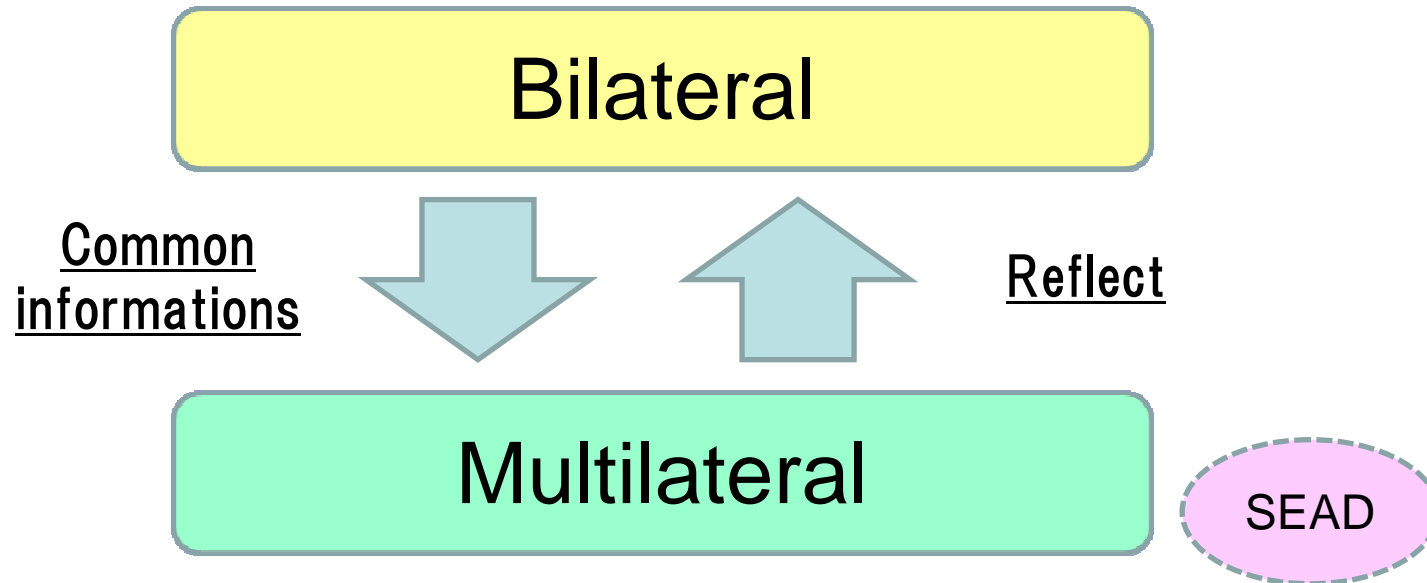


Consideration Points of S&L PDA

- ⊕ Type & schedule of policy measure
- ⊕ Target appliances
- ⊕ Market and production capability of energy efficient appliances
- ⊕ Policy fundamentals (e.g. testing laboratory's capacity, monitoring system)
- ⊕ Preference of customers (economic growth, income level)
- ⊕ Lifestyle, Climate
- ⊕ And others

Type of approach for PDA

- ⊕ Detailed and continual support and cooperation with consideration of host-country's needs.

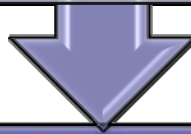


- ⊕ Developing common standards, rules, and monitoring systems with synergies, and expanding energy efficient products market by participating countries

Step by step for creating project scheme

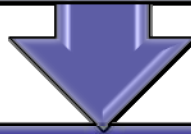
Project initiation stage

Understanding status quo and networking



Enhancement of relations with host country and consideration of individual projects

Closer networking	Establishing support teams	Deliberating on individual projects
-------------------	----------------------------	-------------------------------------



Active involvement of support team and development of new projects

Expanding networks	Project proposals and implementation by support team
--------------------	--



Expanding project area and ongoing team building

Project Outline for FY 2006~2008

2006

2007

2008

China

- 1) Evaluation of policy efficiency of China's home appliance S&L system
- 2) Status quo and problems with China's S&L system
- 3) Problems with introducing and promoting goals for refrigerator and air conditioner standards



- 1) Confirmation of manufacturers' compliance with self-reported labeling data and MEPS
- 2) Assistance for changing refrigerator label standards



- 1) Assistance for changing air conditioner standards in China (Joint research on unified standards for inverter air conditioners)

India

- 4) Outline of India's labeling system

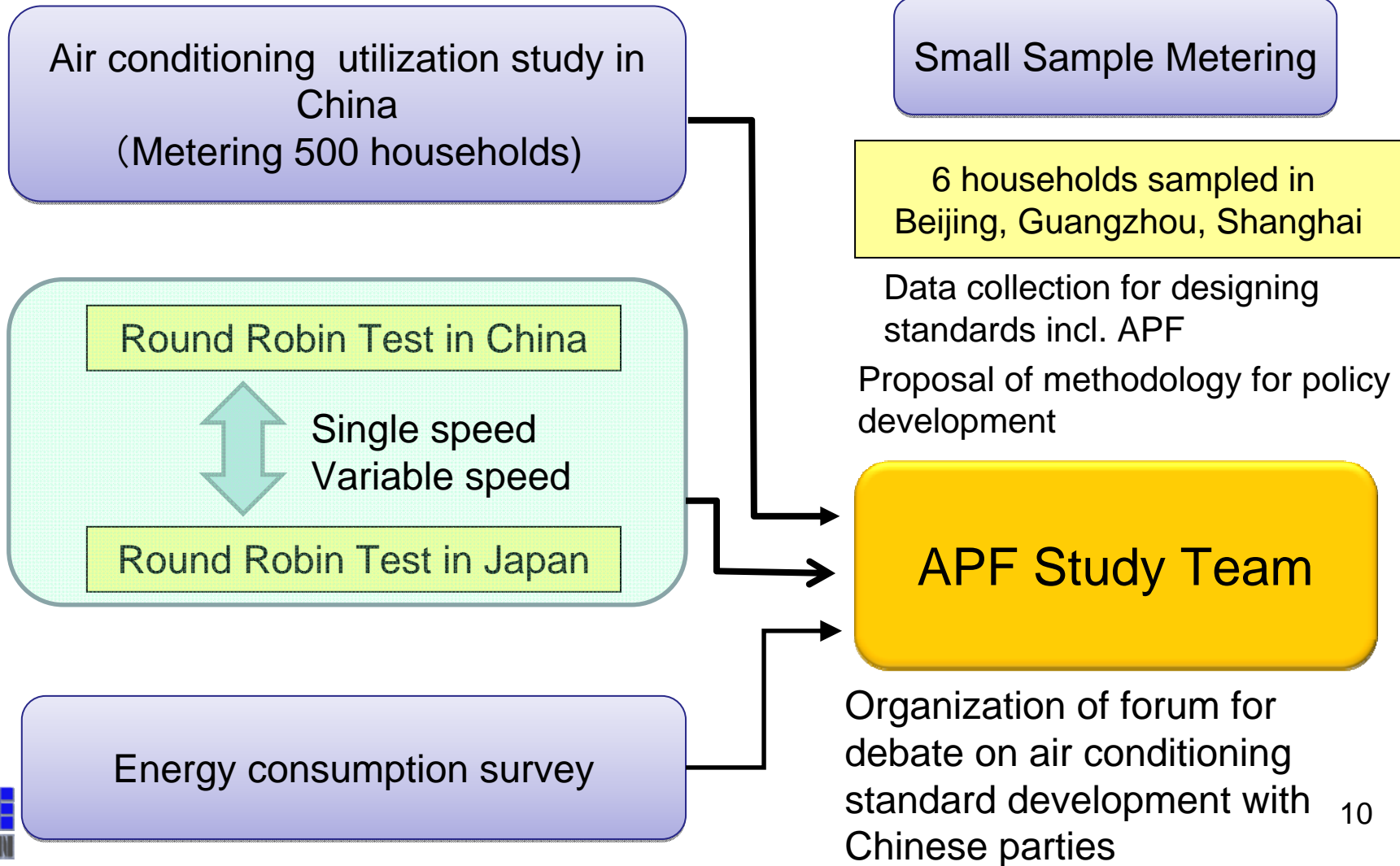
Vietnam

- Field survey in Vietnam (Survey for assistance potential)



- 1) Assistance for the development of Vietnam's S&L monitoring system
- 2) Assistance for refrigerator/air conditioner testing facilities in Vietnam

Outline of Project in China, FY2009-2010

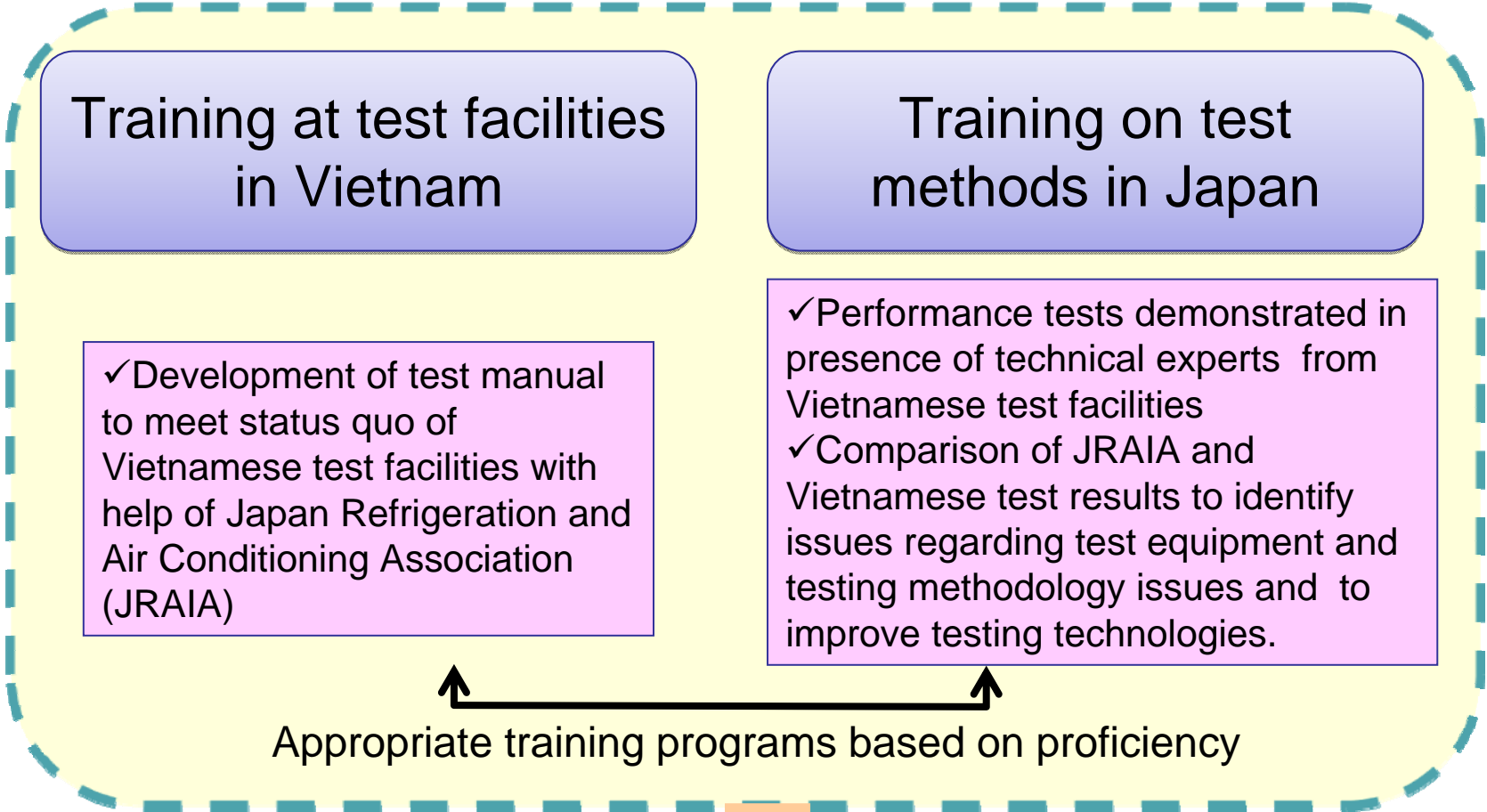


Accomplishments of APF Study Team

- ⊕ Support team and CNIS (China National Institute of Standardization) engaged in numerous consultations.
- ⊕ Participants from academic and industrial circles joined WS held by China Association of Refrigeration to discuss energy efficiency improvements and standardization in air conditioning
- ⊕ Architectural and consumer specialists and industry representatives discussed status of air conditioning utilization in Beijing, Shanghai and Guangzhou: how should the average household be defined?
- ⊕ Prepare the meaningful information toward the process of development of air-conditioner energy efficiency standard through exchanging information.

Vietnam Project, FY2009-2010

Support for improvements in testing technologies at air conditioning test facilities in Vietnam



Issues for Future Consideration

- Reviewing models and countries to address and considering potential for expansion.
- Enhancing networks with host country
 - ✓ Careful review and understanding of policy decision process and selection of appropriate counter, enhanced relation
 - ✓ What is the ideal method for network enhancement & maintenance?
- Cooperation with multilateral programmes
- Establishing scheme that will adequately accommodate host country needs
 - ✓ In particular, securing experts and establishment and enhancement of collaboration with specialized institutions incl. universities
 - ✓ What is the ideal Japanese scheme?

My deep thanks for your understanding
and cooperation in our project.

Thank you very much
for your attention.

Contact : report@tky.ieej.or.jp