

# **PROMEEEC for 2006-2007 Energy Management Project Summary and Post Workshop - Results of Activities - (Intensive Seminar-Workshops / Visits, etc.)**




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- 2. Activities to Achieve Targets and Results***
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# ***1. Targets for 2006 – 2007***

# Target : Build & Start Functions of “ASEAN Energy Management System”

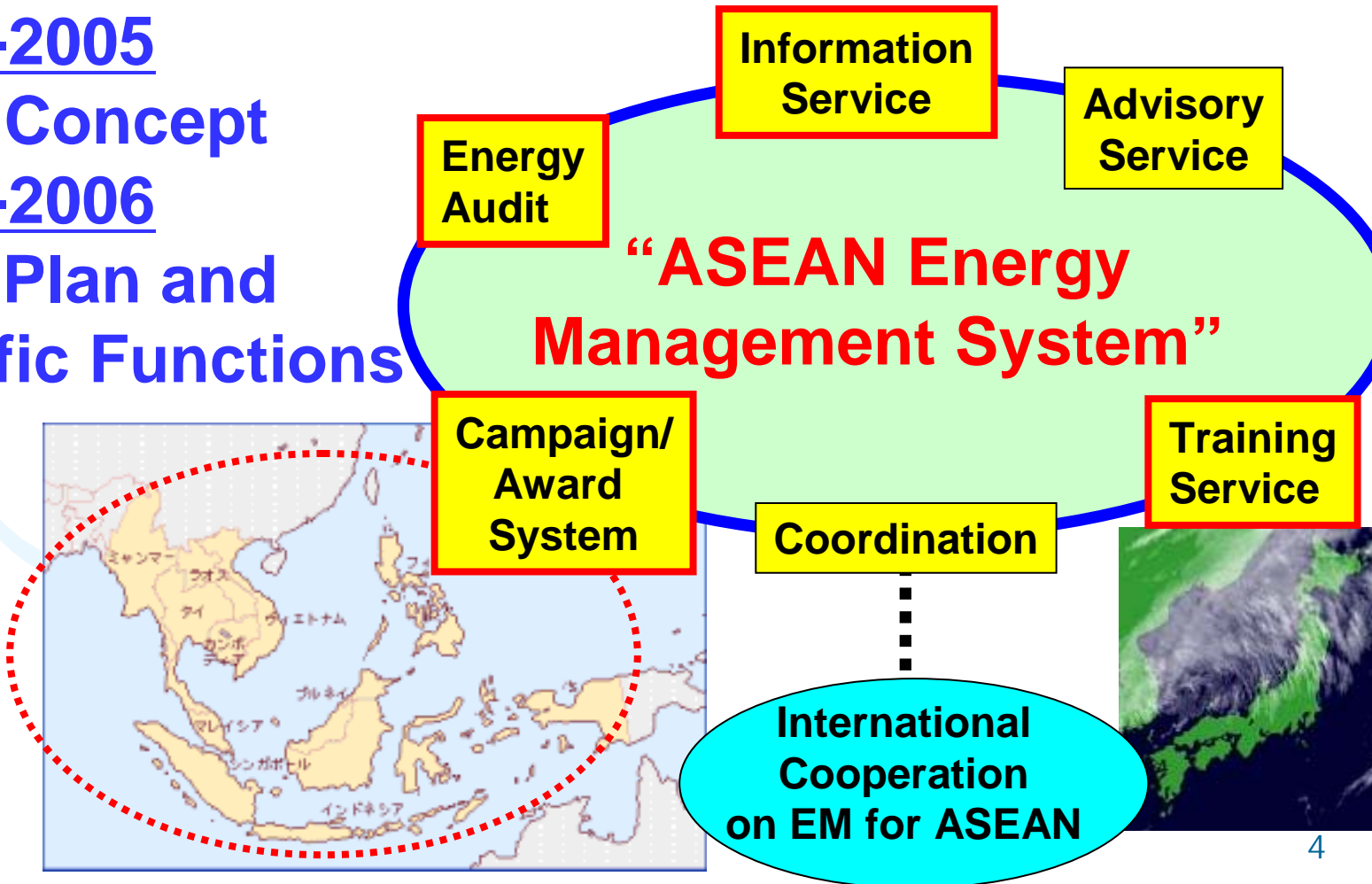
## Developed as Follows

In 2004-2005

> Basic Concept

In 2005-2006

> Basic Plan and Specific Functions



# Targets for 2006 – 2007 (1-2)

## (Target 1)

**Start “Award System for Best Practices in Energy Management for Industries and Buildings**

## (Target 2)

**Develop Information System to Share and Disseminate The Following**

- 1. Best Practices from The Award System**
- 2. Technical Directory / In-House Database**

# Targets for 2006 – 2007 (2-2)

**(Target 3)**

**Develop Procedures to Utilize The Existing Implementing Organizations**

**(Target 4)**


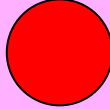
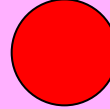
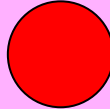

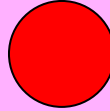

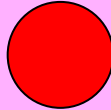
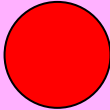
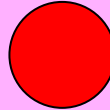
**Develop Effective and Comprehensive Tools for Energy Management**

**Continue Refining Plan of “ASEAN Energy Management System” Based on The Actual Results**



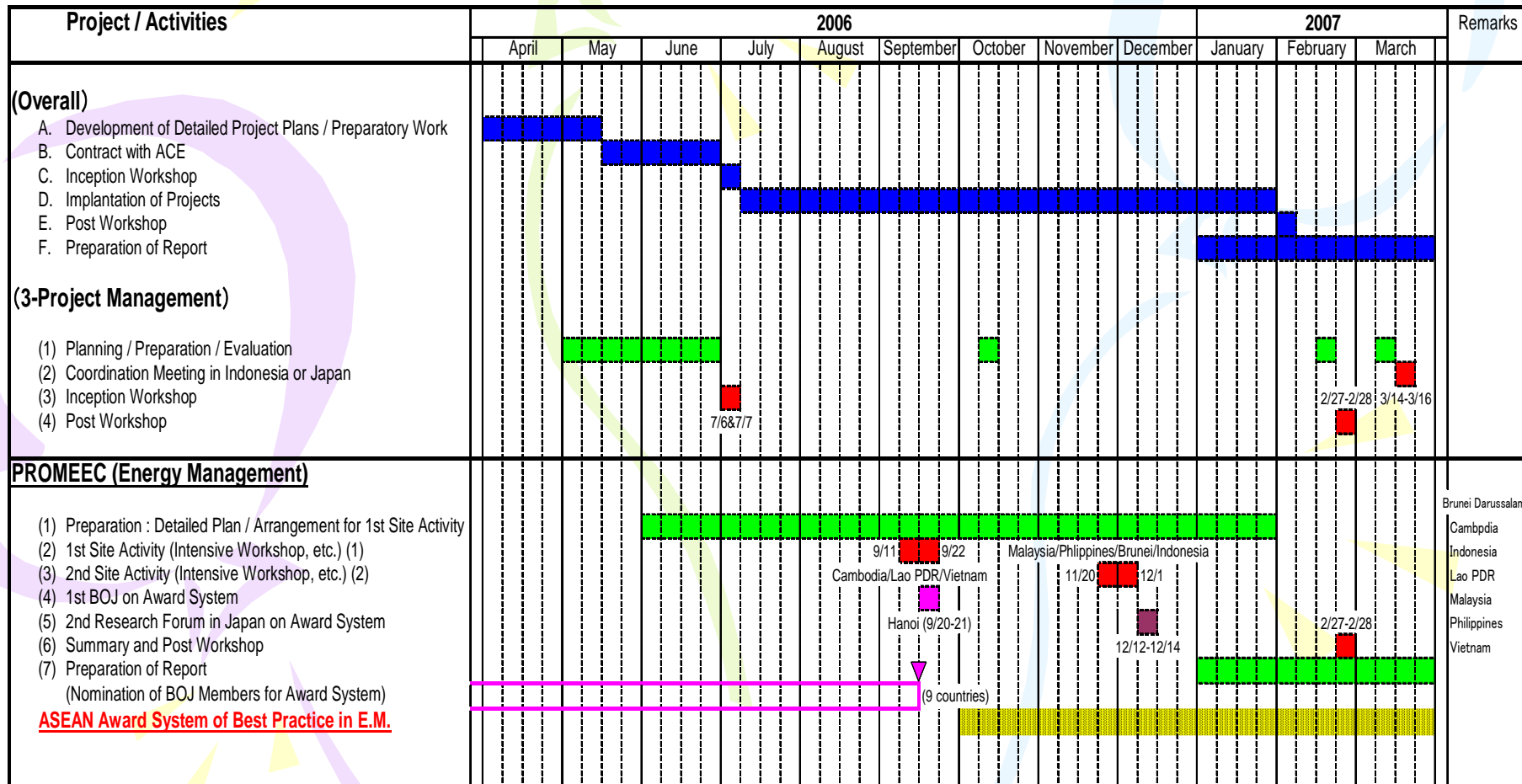
## ***2. Activities to Achieve Targets and Results***

# Activities to Achieve Targets

	Target 1	Target 2	Target 3	Target 4
<b>Intensive Seminar–Workshop &amp; Visits to Factories etc.</b>	<b>PR &amp; Discussion</b>  <b>Advice</b>	<b>PR &amp; Discussion</b>  <b>Advice</b>	<b>PR &amp; Discussion</b>  <b>Advice</b>	<b>PR &amp; Discussion</b>  <b>Advice</b>
<b>Research Forum in Japan</b>				
<b>Internal Analyses &amp; Study</b>				



# Actual Activities / Schedule of PROMEEC (Energy Management) 2006-2007



**ECCJ Team : Mr. Kazuhiko YOSHIDA (PM)  
Mr. Takashi SATO & Mr. Fumio OGAWA**



# Activity for Target Nos. 1 through 4

## **1. Intensive Seminar – Workshop (1)**

### 1. Purpose

- (1) Presentation and Discussion of**
  - PROMEEC (Energy Management) Project**
  - “ASEAN Energy Management System” Plan**
  - Specific Functions and Tools**
- (2) Request to Participate in and Cooperate to Activities & Programs of PROMEEC**
- (3) Expand Network of Cooperators**

# Activity for Target Nos. 1 through 4

## **1. Intensive Seminar – Workshop (2)**

### **2. One day Seminar-Workshop at 7 Countries**

<b>Cambodia</b>	<b>/ September 11<sup>th</sup>, 2006</b>
<b>Lao PDR</b>	<b>/ September 14<sup>th</sup>, 2006</b>
<b>Vietnam</b>	<b>/ September 18<sup>th</sup>, 2006</b>
<b>Malaysia</b>	<b>/ November 20<sup>th</sup>, 2006</b>
<b>Philippines</b>	<b>/ November 23<sup>rd</sup>, 2006</b>
<b>Brunei Darussalam</b>	<b>/ November 27<sup>th</sup>, 2006</b>
<b>Indonesia</b>	<b>/ November 30<sup>th</sup>, 2006</b>

# Activity for Target Nos. 1 through 4

## 1. Intensive Seminar – Workshop (3)

3. Number of Participants : Total 267

**From Governments / Implementing Organizations / Private Companies / Industrial Associations / Universities, etc.**

<b>Brunei Darussalam</b>	<b>42</b>	<b>Malaysia</b>	<b>46</b>
<b>Cambodia</b>	<b>28</b>	<b>Philippines</b>	<b>26</b>
<b>Indonesia</b>	<b>57</b>	<b>Vietnam</b>	<b>30</b>
<b>Lao PDR</b>	<b>38</b>		
<b><u>TOTAL</u></b>			<b><u>267</u></b>

# Activity for Target Nos. 1 through 4

## 1. Intensive Seminar – Workshop (4)

### 4. Program of Seminar-Workshop

Session-1 : Introduction of The Project

Session-2 : Introduction of “ASEAN E.M. System (Plan and Programs)

Session-3 : Intro. Activities to Function “ASEAN E.M. System”

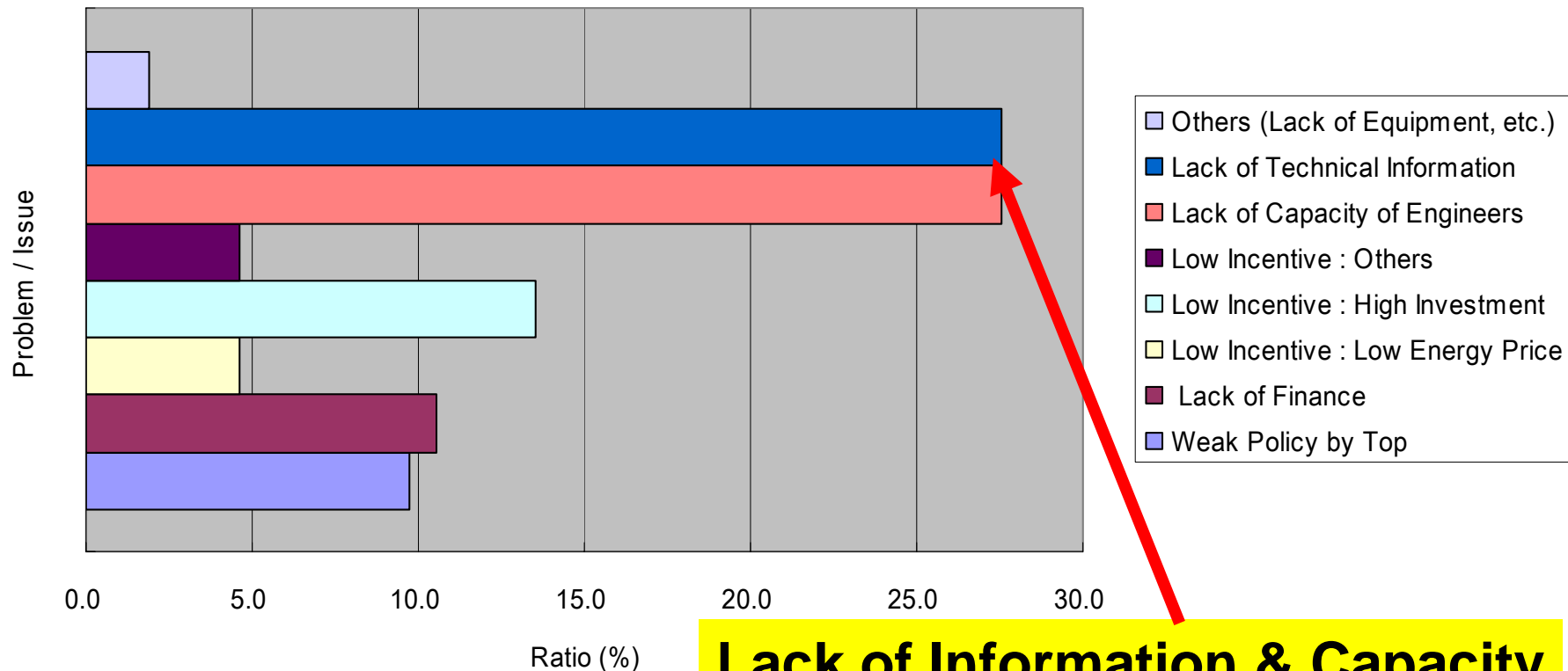
Session-4 : Panel Discussion & Request for Participation / Cooperation

Session-5 : Advice on EM for Participants

# Situation of Energy Management in ASEAN

## Results of Reply to QN from 125 Participants of E.M. Intensive Seminar-Workshop (1)

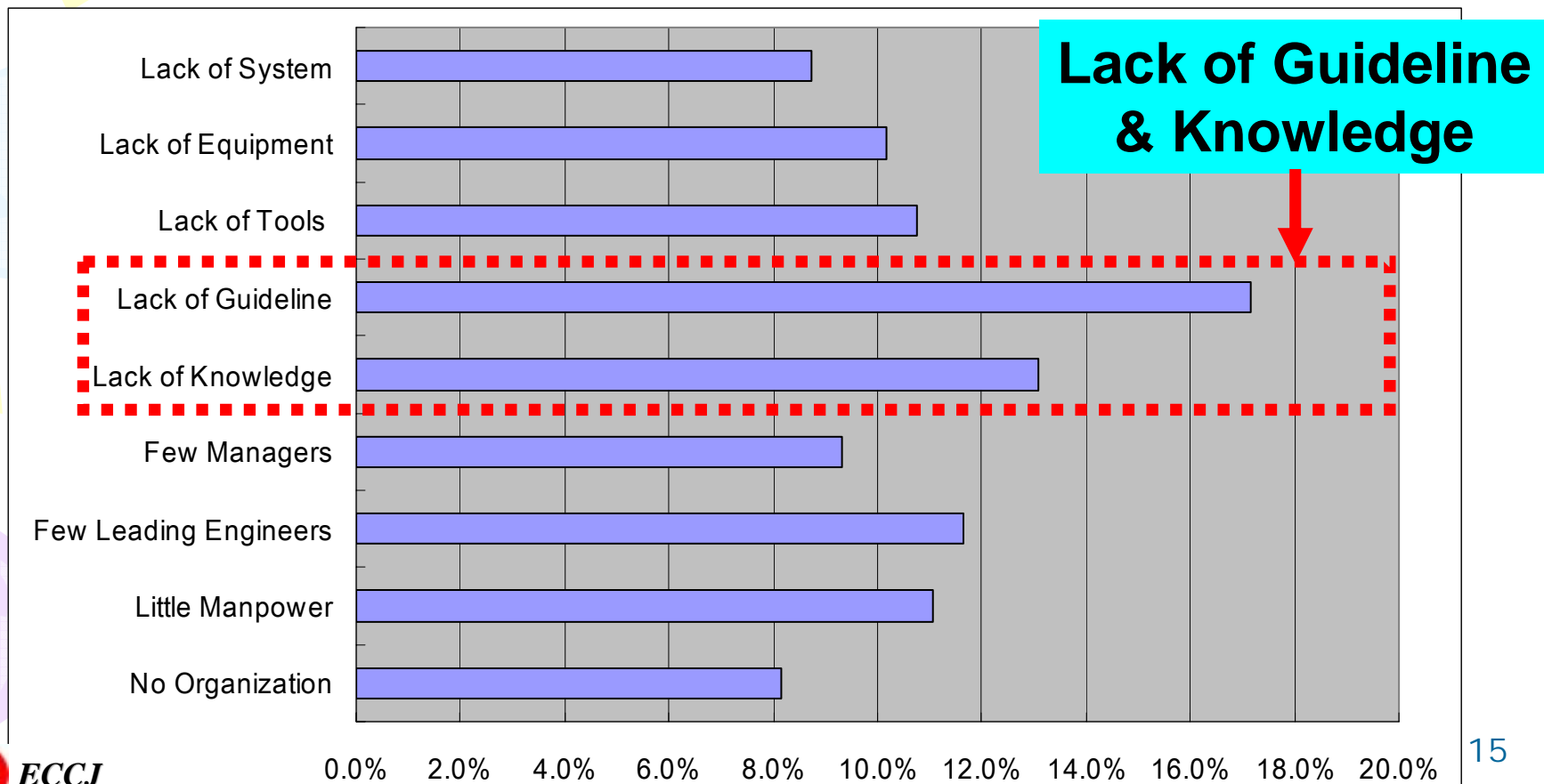
### - Barriers for Energy Management -



# Situation of Energy Management in ASEAN

## Results of Reply to QN from 125 Participants of E. M. Intensive Seminar-Workshop (2)

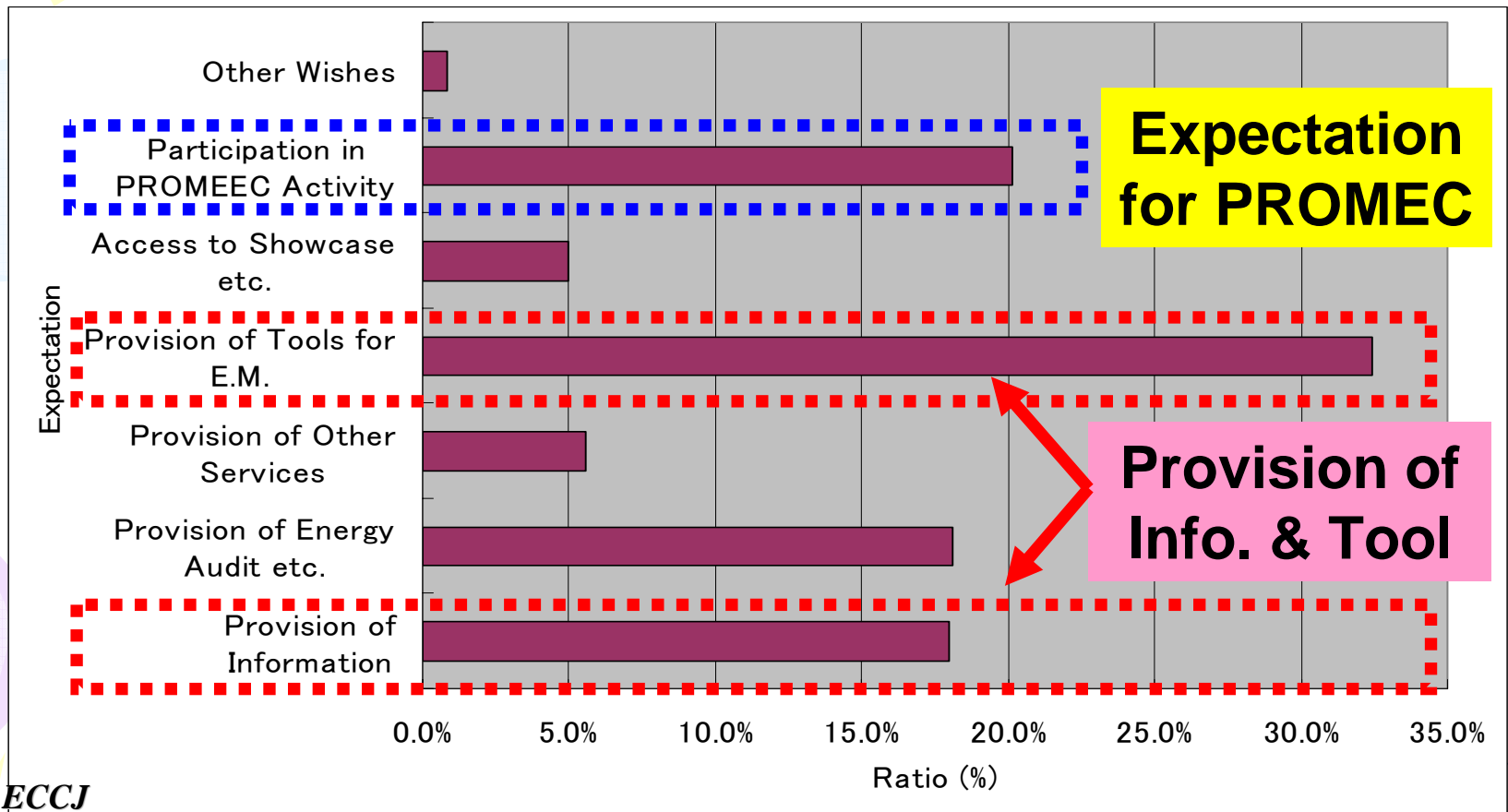
### - Status of Energy Management -



# Situation of Energy Management in ASEAN

## Results of Reply to QN from 125 Participants of E. M. Intensive Seminar-Workshop (3)

### - Expectation for ASEAN E.M. System -





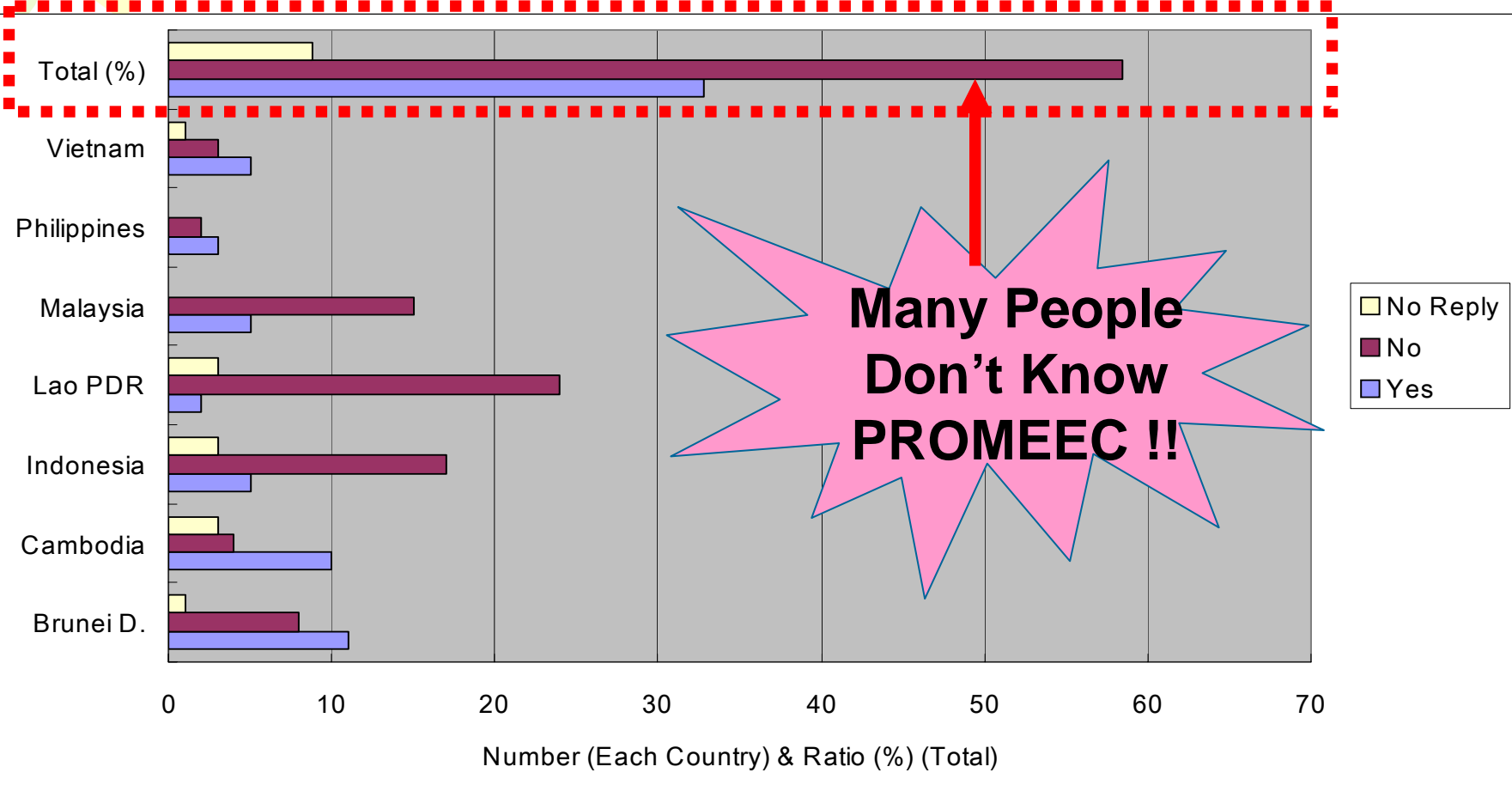
# Important Confirmation

The results prove that activities and programs of PROMEEC (E.M.) Project to establish “ASEAN Energy Management System” meets the needs and expectations in ASEAN by providing

1. Information / Tools Useful to Improve Energy Management
2. Opportunities to Share Activities & Info.
3. Network among ASEAN Stakeholders

# Results of Reply to QN from 125 Participants of E. M. Intensive Seminar-Workshop (4)

**- Required Further Effort to PR PROMEEC -**



# Activity for Target Nos. 1 through 4

## 2. Visits to Factories & Buildings etc. (1)

### 1. Purpose

(1) Introduction and Discussion of

- PROMEEC (Energy Management) Project

- “ASEAN Energy Management System” Plan

- Useful Tools

(2) Request to Participate in and Cooperate to Activities & Programs of PROMEEC

(3) Expand Network of Cooperators

(4) Advise for Companies’ Improvements

## Activity for Target Nos. 1 through 4

### **2. Visits to Factories & Buildings etc. (2)**

#### **2. One day Seminar-Workshop at 7 Countries**

**Cambodia / September 12<sup>th</sup>, 2006**

**Lao PDR / September 15<sup>th</sup>, 2006**

**Vietnam / September 19<sup>th</sup>, 2006**

**Malaysia / November 21<sup>st</sup>, 2006**

**Philippines / November 24<sup>th</sup>, 2006**

**Brunei Darussalam / November 28<sup>th</sup>, 2006**

**Indonesia / December 1<sup>st</sup>, 2006**

# Activity for Target Nos. 1 through 4

## 2. Visits to Factories & Buildings etc. (3)

### 3. Visits : 22 Factories and Buildings, etc.

Factories, Buildings, Associations and Implementing Organizations, etc.

Brunei Darussalam	3	Malaysia	2
Cambodia	4	Philippines	2
Indonesia	3	Vietnam	4
Lao PDR	4		
		<b><u>TOTAL</u></b>	<b><u>22</u></b>

# Activity for Target Nos. 1 through 4

## 2. Visits to Factories & Buildings etc. (4)

### All The Companies / Organizations Showed :

- Strong Interests in Programs & Tools
- Expectation of Participation in PROMEEC and Cooperation to E.M. Programs

Category	Number
Factory	9
Building	6
Association	2
Gov. Organization, Others	5
<b><u>TOTAL</u></b>	<b><u>22</u></b>



**Expanded  
Network of  
ASEAN  
Cooperative  
Stakeholders**

# **Activity for Target Nos. 1 and 2**

## **1<sup>st</sup> BOJ Meeting for ASEAN Award (1)**

### **1. Purpose**

- (1) Finalization and Approval of Plan of The Award System / Schedule of The 1<sup>st</sup> Round**
- (2) Preparation of Official Announcement (Including Preparation for Application)**

### **2. Date & Venue**

**Date : September 20<sup>th</sup> and 21<sup>st</sup>, 2006**  
**Venue : Hanoi, Vietnam**

# Activity for Target Nos. 1 and 2

## **1<sup>st</sup> BOJ Meeting for ASEAN Award (2)**

### **3. Participants (BOJ Members / ACE/ ECCJ)**

#### **Member of BOJ (Energy Management)**

**Mr. (Dr.) Kha Sheng Tan (Brunei Darussalam)**

**Mr. Lieng Vuthy (Cambodia)**

**CP Mr. (Dr.) John A.W. Turangan (Indonesia)**

**Mr. Khamso Khoupokham (Lao PDR)**

**Mr. (Dr.) Zainuddin Abdul Manan (Malaysia)**

**Mr. U Win Khaing (Myanmar)**

**Mr. Artemio P. Habitan (Philippines)**

**VCP Ms. Amaraporn Achavangkool (Thailand)**

**Mr. Mr. Dang Hai Dung (Vietnam)**

**(CP : Chairperson / VCP : Vice Chairperson)**



# **Activity for Target Nos. 1 and 2**

## **1<sup>st</sup> BOJ Meeting for ASEAN Award (3)**

### **3. Results**

#### **3-1. Finalization and Approval of**

**(1) The Implementation Plan**

**(2) Evaluation Guideline**

**(3) Application Form**

#### **3-2. Confirmation of Role of BOJ Members**

#### **3-3. Preparation for Official Announcement to Start “ASEAN Award System of Best Practices in Energy Management for Industries and Buildings**

# **Activity for Target Nos. 1 and 2** **Research Forum in Japan (1)**

**Subject : Award System of Best Practices in E.M.  
for Industries and Buildings**

## **Input**

**Knowledge & Information on Japanese Award System & E.M. Practice in Factory / Opinion & Advice by Japanese Committee Members/Experts**

## **Output**

- (1) Evaluation Guideline**
- (2) Refined Application Form**
- (3) Confirmation of Implementation Plan**

# **Activity for Target Nos. 1 and 2** **Research Forum in Japan (2)**

## **Participants**

### **1. Member of BOJ (Energy Management)**

**Mr. (Dr.) Kha Sheng Tan (Brunei Darussalam)**

**Mr. Lieng Vuthy (Cambodia)**

**Mr. (Dr.) John A.W. Turangan (Indonesia)**

**Mr. Khamso Khoupkhokham (Lao PDR)**

**Mr. (Dr.) Zainuddin Abdul Manan (Malaysia)**

**Mr. U Win Khaing (Myanmar)**

**Mr. Artemio P. Habitan (Philippines)**

**Ms. Amarnorn Achavangkool (Thailand)**

**Mr. Mr. Dang Hai Dung (Vietnam)**

### **2. ASEAN Coordinator**

**Mr. Christopher Zamora (ACE)**

# Activity for Target Nos. 1 and 2

## Research Forum in Japan (3) : Program

Date	Activities
December 12 (Venue : Tekkou-kaikan #803) (Tue.)	AM 1. Opening Remarks Mr. Akira Ishihara (Managing Director, ECCJ) 2. Photo Session 3. Presentation 3-1. Keynote Lecture Mr. Kazuhiko Yoshida (General Manager, ECCJ) 3-2. Lecture Mr. Hisakazu Tsujimoto (General Manager, ECCJ) “Award System in Japan for - Excellent cases for energy conservation - Factories and Buildings Excellent for Energy Management, etc.” PM 4. Case Studies & Opinion Exchange Trial Evaluation of Actual Awarded Japanese Cases (Advisers from ECCJ) Mr. Kazuhiko Yoshida, Mr. Hisakazu Tsujimoto Mr. Fumio Ogawa, Mr. Akira Kobayashi (Technical Experts)
December 13 (Wed.)	AM 1. Preparation for Workshop : Discussion & Opinion Exchange (Adviser from ECCJ) Mr. K. Yoshida and F. Ogawa PM 2. Factory Visit : Kubota Keiyo Factory (ECCJ : Mr. K. Yoshida, Mr. Yoshitaka Ushio, Mr. F. Ogawa)
December 14 (Venue : Tekkou-kaikan #805) (Thu.)	AM 1. Opinion Exchange on System and Evaluation with Japanese Committee Members and Experts Japanese Committee Members Dr. Katsuhiko Kadoguchi (Chairman from AIST*), Mr. A. Ishihara (ECCJ) and A. Kobayashi (ECCJ) Advisers for ASEAN Mr. K. Yoshida and Mr. F. Ogawa PM 2. Workshop : “Development of Evaluation Guideline & Confirmation of Future Plan by All Participants” Chairperson - Mr. Turangan / Vice Chairperson - Ms. Amaraporn ECCJ Advisers : Mr. K. Yoshida, Mr. F. Ogawa and A. Kobayashi

# Activity for Target Nos. 1 and 2 Research Forum in Japan (4) : Results

1. Revised “Evaluation Guideline”

2. Refined Application Form Friendly to Applicants (Based on Item 1)

3. Confirmed Implementation Schedule

April 2007 / Selection of Max. 4 Cases\* by Each Nat.  
Submission to ASEAN (ACE)

(\* : 2 cases for Each Sector)

June 2007 / BOJ (Determination of Winners)

July 2007 / Official Announcement & Ceremony  
1 Winner & 2 Runner-ups for Each Sector

# Summary

## Achievements in 2006 - 2007

**Development of Tools / Functions and Start-up of Important Functions “ASEAN Energy Management System”**

- (1) Start-up of “ASEAN Award Best Practices in Energy Management**
- (2) Preparation of Information Systems and Tools for Energy Management**
- (3) Expansion of Network of Cooperators among ASEAN Stakeholders**

# Summary

## Cumulative Frequency of Visits to Organizations / Companies in 2004 - 2007

	Brunei D.	Cambodia	Indonesia	Lao PDR	Malaysia	Myanmar	Philippines	Singapore	Thailand	Vietnam	TOTAL
Government (Minstry / Department)	1	1	2	1	2	1	3	1	2	3	17
Governmental Organization	0	3	2	1	0	0	1	0	0	1	8
Implemeting Organization	0	0	3	0	2	0	2	0	2	3	12
Associations Academy (University)	0	2	0	0	0	0	1	1	0	1	5
NGO / NPO	0	0	1	0	0	0	0	0	0	0	1
Enterprises (Factory / Building) & ESCOs	3	0	4	4	2	1	3	0	6	3	26
<u>TOTAL</u>	4	6	12	6	6	2	10	2	10	11	

**GRAND  
TOTAL**

**69**

*Thank You*

*Very Much*



*The Energy Conservation Center, Japan*