

Corporate Sustainability Management in China, Korea and Japan:

A Questionnaire Survey Report

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1. Background

In order to compare the current status of Corporate Sustainability Management in China, Korea and Japan, the Institute for Global Environmental Strategies (IGES, headquartered in Japan) has conducted a survey project with cooperation from the Policy Research Center for Environment and Economy of State Environmental Protection Agency (China) and the LG Environmental Strategy Institute (Korea).

Every year, the Ministry of the Environment of Japan (MOEJ) conducts a questionnaire survey on the current status of Corporate Sustainability Management (CSM) of Japanese companies. The survey has taken root as a basic material for policy makers and practitioners to analyze the current situation of Corporate Sustainability Management. However, information on other Asian countries is scarce, although the economic cooperation in Asia is expected to increase significantly in near future.

The survey project developed a common questionnaire sheet in English, translated it into the national languages, and distributed to listed companies in Chinese and Korean stock exchange markets. For Japanese companies' data, the MOEJ survey was utilized. In order to have comparative data among the three countries, many of the questions in the questionnaire sheet were borrowed from the FY2002 MOEJ survey. By selecting questions from the FY2002 MOEJ survey and the previous IGES survey² and adding some new questions, the survey project conducted its own survey on Chinese and Korean companies.

It is very difficult to compare companies' behavior in different countries, because political and economic contexts differ each other. Besides, in a questionnaire sheet survey, even a slight difference of the expression of a question affects the results very much, and this survey needed translation processes between Japanese, English, Chinese and Korean.

Although this survey has some these difficulties, the members of the survey project believe that the survey result still serves as a valuable material for policy makers and practitioners to analyze the Corporate Sustainability Management of Chinese, Korean and Japanese companies.

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² For the materials of the previous IGES survey please refer to the followings:
Yasuhiro KANDA and Byung-Wook Lee. 2003. *Japanese and Korean Corporate Sustainability Management*. IGES KRC discussion paper 2003-No.5E
Corporate Sustainability Management in Japan and Korea (Questionnaire Data) attached.
http://www.iges.or.jp/jp/be/pdf/report12/apdx_e.pdf

2. Major Findings

- Chinese companies' response rate was just 6.0%. Among 15 sectors, heavy industry sector well responded to the survey. On the other hand, conglomerate sector's response was poor.
- 62.3% of Chinese companies consider their environmental activities as "social commitment", which was the 2nd choice by Japanese companies (32.7%) and the 4th by Korean companies (6.7%). [Question 1]
- 78.7% of Chinese companies have concrete environmental targets, and 83.6% of them have concrete action plan. Those figures are higher than the ones of Korean companies and about the same as the ones of Japanese companies. However, Chinese companies are behind in terms of introducing management tools such as LCA and Environmental Report. [Question 3, 4, 10, 18 etc.]
- B2B environmental relationship of Chinese companies is stronger than that of Korean and Japanese companies. 68.9% of Chinese companies conduct guidance to affiliate companies. 78.7% of Chinese companies select contractors taking contractors' environmental activities into consideration. [Question 31, 32]
- Chinese companies are more familiar than Korean companies with global issues such as UN Global Compact or CDM (Clean Development Mechanism). [Question 21, 28, 36]
- Korean companies' response rate was 15.4%, which is about the same as the previous survey. 83.8% of the response was from manufacturing sector, which is basically the same as the previous year's survey.
- The rate of Korean companies who has environmental policy or target has increased from the previous year. The increase can be found in other items such as ISO14001, information disclosure. Corporate Sustainability Management seems to be steadily penetrating in Korean companies. [Question 2, 3, 8, 18, 22 etc.]
- The rate of Korean companies who has conducted or is planning to introduce LCA has increased from the previous year, and became the highest among the three countries. [Question 10]
- 21.9% of Korean companies have introduced environmental report or sustainability report, which is behind of Japan (34.0%), but the increase is big (almost doubled). 5.7% of Korean companies have introduced environmental accounting, which is behind of Japan (26.8%), but the increase is expected to be big in the future. [Question 18, 22]

3. Survey outlines

3.1 China

Title: “Survey on Corporate Environmental Management in China”

Research organ: Institute for Global Environmental Strategies (IGES)
 Policy Research Center for Environment and Economy
 of the State Environmental Protection Administration (PRC)

Research staff: Yasuhiro Kanda (IGES), Ren Young (PRC), Chang Tong (PRC)

Survey period: November 2003 through February 2004

Survey targets: 1,010 corporations listed on Shanghai Stock Exchange and
 Shenzhen Stock Exchange

Valid responses (return rate): 61 companies (return rate: 6.0%)

Sector	Survey target companies		Responded companies	
	Number of companies	Component Ratio (%)	Number of companies	Component Ratio (%)
Electronics, Communication	61	6.0	3	4.9
Textile	125	12.4	9	14.8
Public works	19	1.9	1	1.6
Chemical	125	12.4	8	13.1
Construction	57	5.6	3	4.9
Transport	7	0.7	0	0.0
Finance, Real-estate	16	1.6	2	3.3
Energy, Electric power	45	4.5	4	6.6
Distilled Food	73	7.2	6	9.8
Agriculture, Fishery, Forestry	26	2.6	2	3.3
Light Industry	118	11.7	3	4.9
Commerce, Trade, Leisure	13	1.3	1	1.6
Medicine	60	5.9	4	6.6
Heavy industry	143	14.2	13	21.3
Conglomerate	122	12.1	2	3.3
Total	1,010	100.0	61	100.0

3.2 Korea

Title: “Survey on Corporate Environmental Management in Korea”

Research organ: Institute for Global Environmental Strategies (IGES)
 LG Environmental Strategy Institute (LGESI)

Research staff: Yasuhiro KANDA (IGES, Japan), Byung-Wook Lee (LGESI, Korea),
 Ms. Eun-Jung Kim (LGESI, Korea)

Survey Period: November 2003 through December 2003

Survey target: 684 corporations listed on Seoul Stock Exchange

Valid response (return rate): 105 listed companies (return rate: 15.4%)

Sector	Survey target companies		Responded companies	
	Number of companies	Component Ratio (%)	Number of companies	Component Ration (%)
Mining	2	(0.3)	0	(0.0)
Manufacturing	477	(69.7)	88	(83.8)
Distribution	34	(5.0)	2	(1.9)
Electricity/Gas	10	(1.5)	1	(1.0)
Construction	44	(6.4)	8	(7.6)
Transport/Communication	27	(3.9)	3	(2.9)
Financial	49	(7.2)	1	(1.0)
Services	37	(5.4)	1	(1.0)
Total	684	(100)	105	(100)

3.3 Japan

Title: “Research on Environmental Action of Corporations 2002”

Organizer: Ministry of the Environment

(Environment and Economy Division, Environmental Policy Bureau)

Contractor: Global Environmental Forum

Survey Period: FY2002

Survey target:

Total: 6,390 corporations and business offices

- 2,655 corporations listed on the 1st and 2nd section of Tokyo Stock Exchange, Osaka Securities Exchange and Nagoya Stock Exchange
- 3,735 unlisted corporations and business offices with more than 500 employees

Valid response (return rate): Listed company 1,323 (49.8%)
Unlisted company 1,644 (44.0%)
Total 2,967 (46.4%)

Sector	Responded companies	
	Number of companies	Component Ration (%)
Construction	122	(9.2)
Manufacture	806	(60.9)
Electricity/ Gas	20	(1.5)
Transport/Telecom	58	(4.4)
Wholesale	84	(6.3)
Retail trade/ Restaurant	73	(5.5)
Financial/Insurance	57	(4.3)
Real estate	8	(0.6)
Service	88	(6.7)
Other	3	(0.2)
NO answer	4	(0.3)
Total	1,323	(100)

* Note: Of the MOEJ survey results, data of listed company was used in this report in order to coordinate the condition of survey target with Chinese and Korean survey.

4. List of questioned issues

Theme	No.	Questioned Issues	Notes
Stance to the Environment	1	Relationship with environmental activities	MOEJ ³
	2	Environmental Policy	MOEJ
	3	Concrete Targets	MOEJ
	4	Concrete Action Plan	MOEJ
	5	Environmental Education programs	MOEJ
Management System	6	Awareness on various management systems	FY2003 ⁴
	7	Status on various management systems	FY2003
	8	Attitude to ISO14001	MOEJ
	9	Effects of ISO14001	MOEJ
	10	LCA study	MOEJ
Environmental Performance	11	Environmental Information on Products/Services	MOEJ
	12	Data management	MOEJ
Environmental Information Disclosure	13	Contents of data	MOEJ
	14	Status of environmental disclosure	MOEJ
Environmental Reporting and Environmental Accounting	15	Contents of disclosed information	MOEJ
	16	Disclosure measures	MOEJ
	17	Disclosure purposes	MOEJ
Environmental Reporting and Environmental Accounting	18	Status of environmental report	MOEJ
	19	Annual report	FY2002 ⁵
	20	Website	FY2002
	21	Awareness of guidelines	FY2002
Environmental Business	22	Environmental Accounting	MOEJ
	23	Attitude to environmental business	MOEJ
Measures to prevent Global Warming	24	Interested business area	MOEJ
	25	Problems for development	MOEJ
	26	Attitude to global warming	MOEJ
	27	Interests in Emission Trading	FY2002
B2B relationship	28	Interests in CDM	FY2002
	29	Interests in ESCO	FY2003
	30	Guidance to affiliated companies	MOEJ
Relationship with MNCs	31	Selection criteria for contractors	MOEJ
	32	Selection criteria for green procurement	MOEJ
	33	Relationship with MNCs	FY2002
	34	Guidance from MNCs	FY2002
Community Relationship	35	Business area of MNCs	FY2002
	36	Evaluation of MNC (Awareness of global criteria)	FY2003
	37	Status of Activity	MOEJ
Policy Expectation	38	Kinds of activities	MOEJ
	39	Entities to work with	MOEJ
	40	Expectation to public policy	MOEJ

³ MOEJ shows that the question was borrowed from the survey of the Ministry of the Environment of Japan, and that the last year's data is available for Korean and Japanese companies.

⁴ FY2003 shows that the question was made for this year's survey.

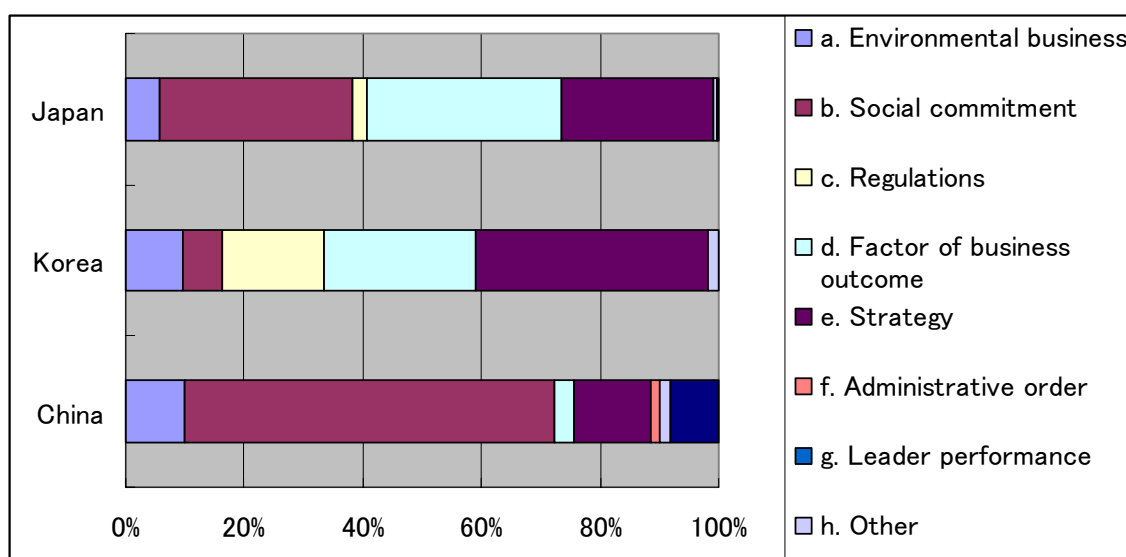
⁵ FY2002 shows that the question was made at the previous survey, and that the last year's data is available for Korean companies.

5. Question and its Result

1. Which one is the closest to your company's way of thinking about the relationship between company's activities and environmental activities? (Check one box.) [MOEJ2-2]
- a. It brings a big chance of environmental business
 - b. Environmental consideration is one of social commitments
 - c. Keeping regulations is enough, because environmental activities do not contribute to business results
 - d. It is a big factor that affects business outcomes
 - e. It is incorporated into business activities as one of the most important strategy
 - f. Enforcement of administrative order
 - g. The performance of leader (Environmental Protection Targeted Response Measure)
 - h. Other ()

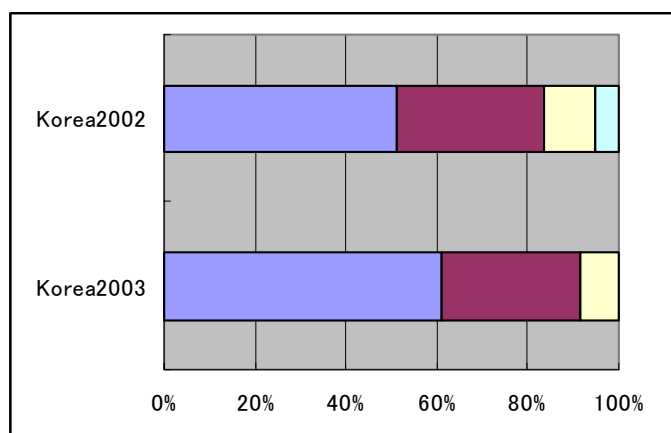
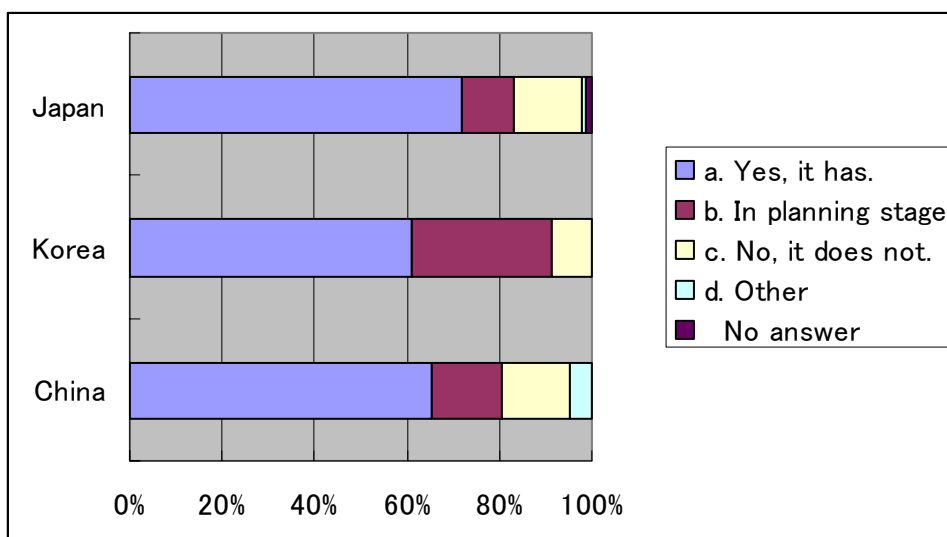
Choices of "f" and "g" were added for only Chinese companies.

	Present Survey						Previous Survey	
	Valid response			%			%	
	China	Korea	Japan	China	Korea	Japan	Korea	Japan
a. Environmental business	6	10	76	9.8	9.5	5.7	5.1	3.4
b. Social commitment	38	7	432	62.3	6.7	32.7	6.1	30.5
c. Regulations	0	18	29	0.0	17.1	2.2	23.5	1.8
d. Factor of business outcome	2	27	435	3.3	25.7	32.9	16.3	33.7
e. Strategy	8	41	341	13.1	39.0	25.8	46.9	29.6
f. Administrative order	1	-	-	1.6	-	-	-	-
g. Leader performance	0	-	-	0.0	-	-	-	-
h. Other	1	2	5	1.6	1.9	0.4	2.0	0.9
No answer	5	0	5	8.2	0.0	0.4	0.0	1.2
Number of Samples	61	105	1,318	100.0	100.0	100.0	100.0	100.0



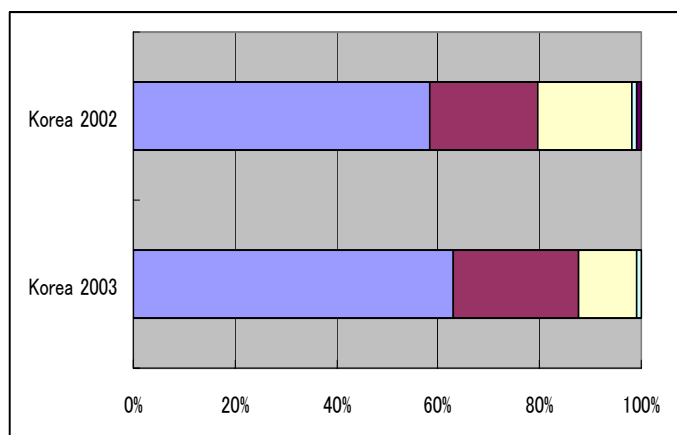
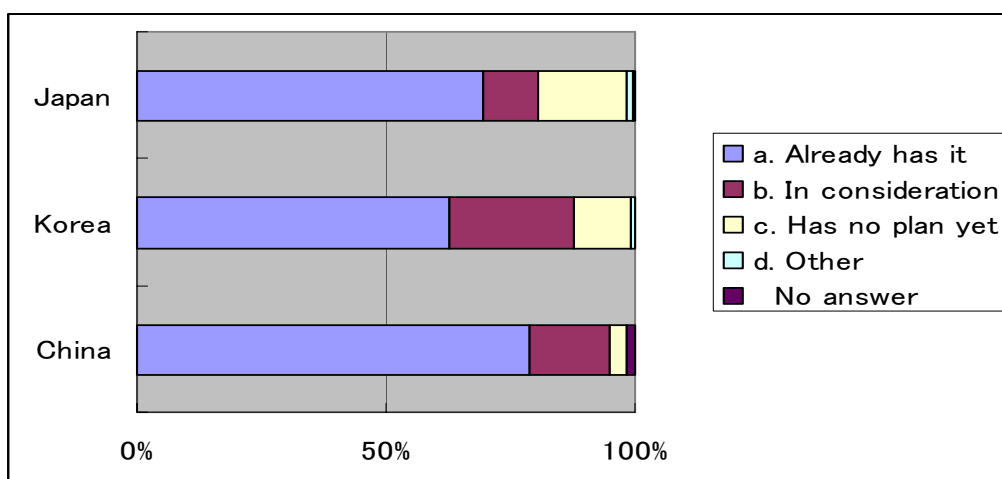
2. Does your company have a well-documented and company-wide environmental policy that the CEO has participated in developing? (Check one box.) [MOEJ2-3]
 a. Yes, it has.
 b. In planning stage
 c. No, it does not.
 d. Other ()

	Present Survey						Previous Survey	
	Valid response			%			%	
	China	Korea	Japan	China	Korea	Japan	Korea	Japan
a. Yes, it has.	40	64	952	65.6	61.0	72.0	51.0	71.4
b. In planning stage	9	32	147	14.8	30.5	11.1	32.7	12.2
c. No, it does not.	9	9	197	14.8	8.6	14.9	11.2	15.1
d. Other	3	0	8	4.9	0.0	0.6	5.1	0.9
No answer	0	0	19	0.0	0.0	1.4	0.0	0.4
Number of Samples	61	105	1,323	100.0	100.0	100.0	100.0	100.0



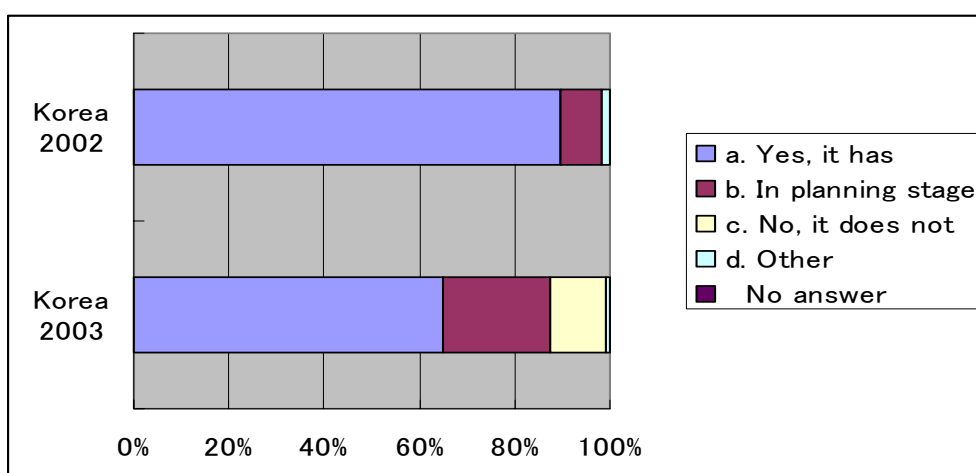
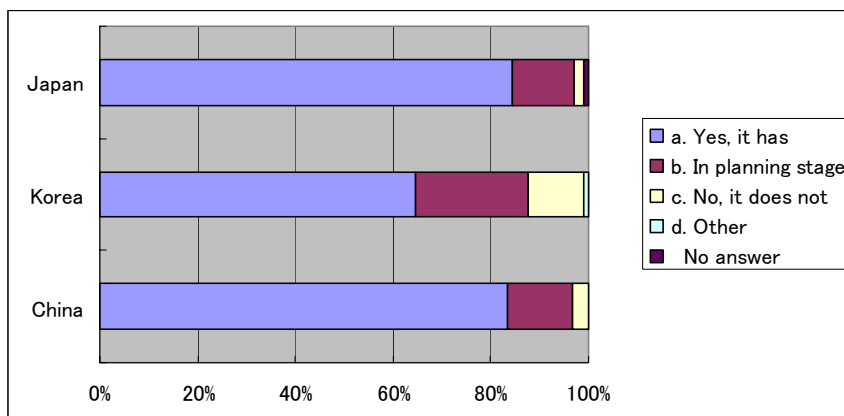
3. Does your company have concrete targets on environmental activities?
 (Example of concrete target: to decrease XX emission by YY percentage by year ZZ)
 (Check one box.) [MOEJ2-5]
 a. Already has it
 b. In consideration
 c. Has no plan yet
 d. Other ()

	Present Survey						Previous Survey	
	Valid response			%			%	
	China	Korea	Japan	China	Korea	Japan	Korea	Japan
a. Already has it	48	66	919	78.7	62.9	69.5	58.2	68.3
b. In consideration	10	26	143	16.4	24.8	10.8	21.4	14.5
c. Has no plan yet	2	12	237	3.3	11.4	17.9	18.4	16.3
d. Other	0	1	17	0.0	1.0	1.3	1.0	0.3
No answer	1	0	7	1.6	0.0	0.5	1.0	0.5
Number of Samples	61	105	1,323	100.0	100.0	100.0	100.0	100.0



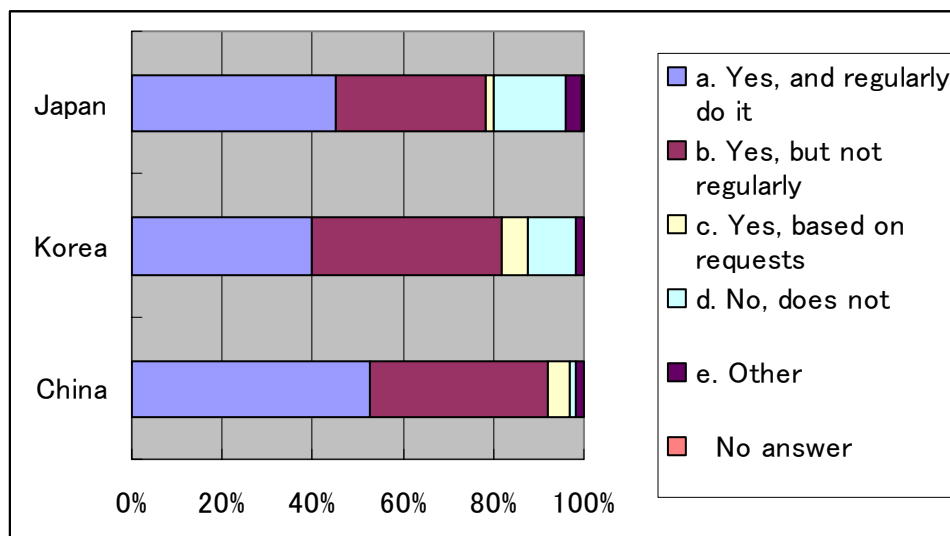
4. Does your company have a concrete action plan? (Check one box.) [MOEJ2-8]
 a. Yes, it has.
 b. In planning stage
 c. No, it does not.
 d. Other ()

	Present Survey						Previous Survey	
	Valid response			%			%	
	China	Korea	Japan	China	Korea	Japan	Korea	Japan
a. Yes, it has	51	68	896	83.6	64.8	84.4	89.5	79.5
b. In planning stage	8	24	136	13.1	22.9	12.8	8.8	17.1
c. No, it does not	2	12	18	3.3	11.4	1.7	0.0	2.7
d. Other	0	1	2	0.0	1.0	0.2	1.8	0.1
No answer	0	0	10	0.0	0.0	0.9	0.0	0.6
Number of Samples	61	105	1,062	100.0	100.0	100.0	100.0	100.0



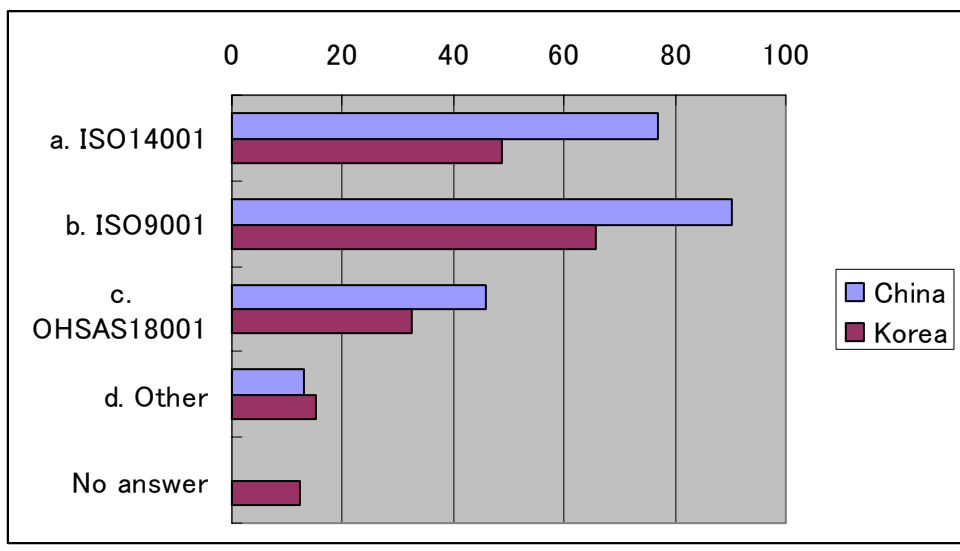
5. Does your company have environmental education programs to your employees?
 (Check one box.) [MOEJ2-21]
 a. Yes, and regularly do it
 b. Yes, but not regularly
 c. Yes, based on requests from employees
 d. No, does not
 e. Other ()

	Present Survey						Previous Survey	
	Valid response			%			%	
	China	Korea	Japan	China	Korea	Japan	Korea	Japan
a. Yes, and regularly do it	32	42	599	52.5	40.0	45.3	36.7	41.3
b. Yes, but not regularly	24	44	435	39.3	41.9	32.9	38.8	34.9
c. Yes, based on requests	3	6	26	4.9	5.7	2.0	5.1	2.0
d. No, does not	1	11	213	1.6	10.5	16.1	17.3	15.9
e. Other	1	2	44	1.6	1.9	3.3	2.0	5.0
No answer	0	0	6	0.0	0.0	0.5	0.0	1.0
Number of Samples	61	105	1,323	100.0	100.0	100.0	100.0	100.0



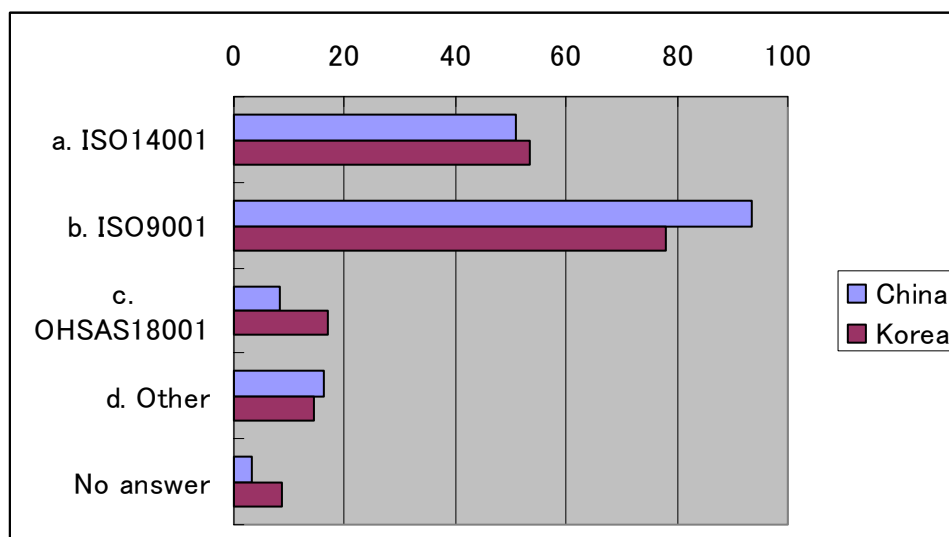
6. What management systems has your company discussed ever? (Check any relevant boxes.) [FY2003]
 a. ISO 14001 (Environmental Management System)
 b. ISO 9001 (Quality Management System)
 c. OHSAS18001 (Occupational Health and Safety Assessment Series)
 d. Other ()

	Present Survey						Previous Survey	
	Valid response			%			%	
	China	Korea	Japan	China	Korea	Japan	Korea	Japan
a. ISO14001	47	51		77.0	48.6			
b. ISO9001	55	69		90.2	65.7			
c. OHSAS18001	28	34		45.9	32.4			
d. Other	8	16		13.1	15.2			
No answer	0	13		0.0	12.4			
Number of Samples	61	105						



7. Which certificates does your company have? (Check any relevant boxes.) [FY2003]
 a. ISO 14001 (Environmental Management System)
 b. ISO 9001 (Quality Management System)
 c. OHSAS18001 (Occupational Health and Safety Assessment Series)
 d. Other ()

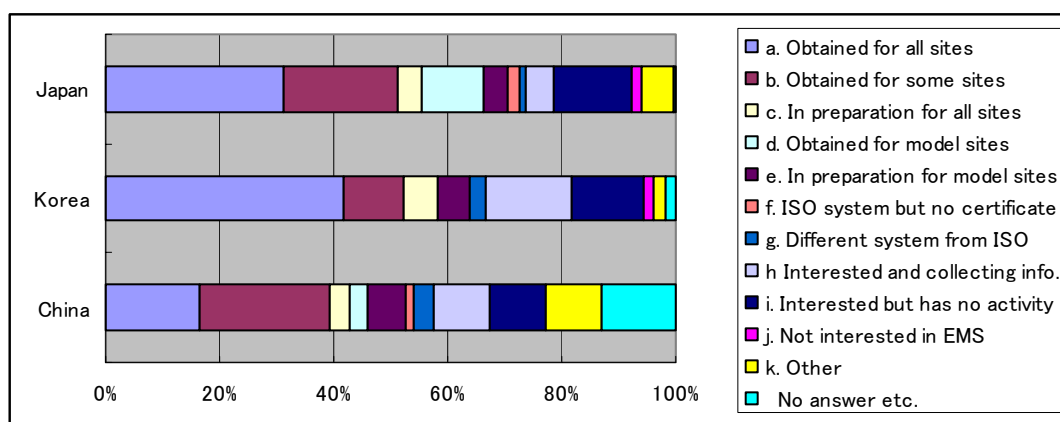
	Present Survey						Previous Survey	
	Valid response			%			%	
	China	Korea	Japan	China	Korea	Japan	Korea	Japan
a. ISO14001	31	56		50.8	53.3			
b. ISO9001	57	82		93.4	78.1			
c. OHSAS18001	5	18		8.2	17.1			
d. Other	10	15		16.4	14.3			
No answer	2	9		3.3	8.6			
Number of Samples	61	105						



8. How does your company cope with ISO14001 (Environmental Management System) certification?
 (Check one box.) [MOEJ4-1]

a. Obtained certificates for all sites
 b. Obtained certificates for some sites and is extending to all sites
 c. In preparation for obtaining certificates for all sites
 d. Obtained certificates for some model sites
 e. In preparation for obtaining certificates for some model sites
 f. Constructed/Constructing ISO system, but has no plan for obtaining certification
 g. Constructed/Constructing a system that is different from ISO system
 h. Interested in ISO system and collecting information on it
 i. Interested in ISO system but has not taken any activities
 j. Not interested in environmental management system
 k. Other ()

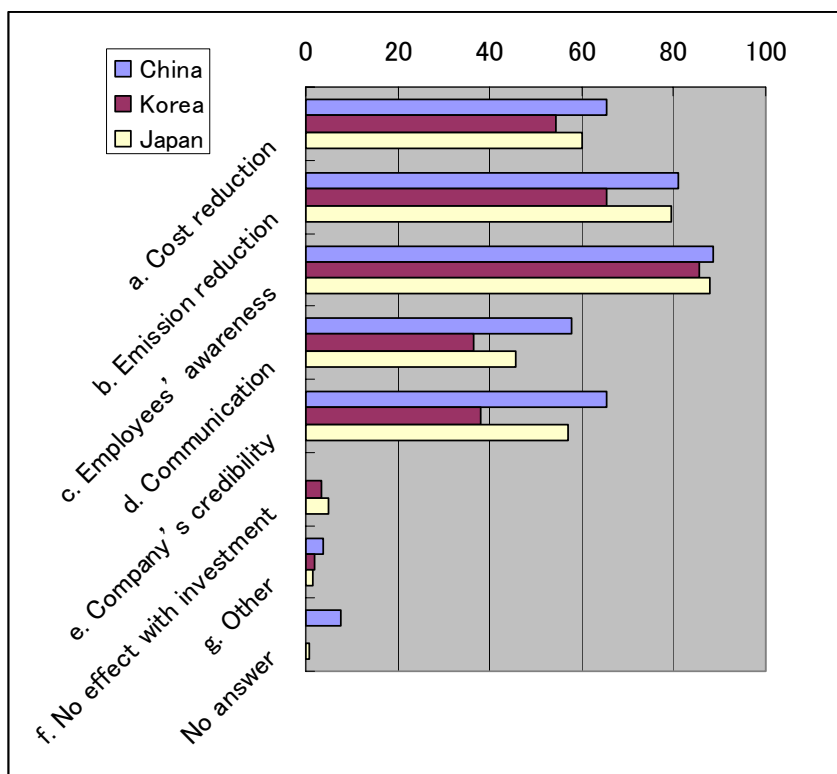
	Present Survey						Previous Survey	
	Valid response			%			%	
	China	Korea	Japan	China	Korea	Japan	Korea	Japan
a. Obtained for all sites	10	44	412	16.4	41.9	31.1	31.6	27.2
b. Obtained for some sites	14	11	266	23.0	10.5	20.1	12.2	21.0
c. In preparation for all sites	2	6	55	3.3	5.7	4.2	7.1	5.8
d. Obtained for model sites	2	0	147	3.3	0.0	11.1	0.0	11.0
e. In preparation for model sites	4	6	55	6.6	5.7	4.2	7.1	7.0
f. ISO system but no certificate	1	0	25	1.6	0.0	1.9	3.1	1.7
g. Different system from ISO	2	3	13	3.3	2.9	1.0	4.1	1.0
h. Interested and collecting info.	6	16	69	9.8	15.2	5.2	11.2	7.0
i. Interested but has no activity	6	13	181	9.8	12.4	13.7	17.3	12.2
j. Not interested in EMS	0	2	24	0.0	1.9	1.8	3.1	1.3
k. Other	6	2	74	9.8	1.9	5.6	3.1	4.0
No answer etc.	8	2	2	13.1	1.9	0.2	0.0	0.8
Number of Samples	61	105	1,323	100.0	100.0	100.0	100.0	100.0



9. For those who obtained ISO14001, what effects did your company get?
 (Check any relevant boxes.) [MOEJ4-2]

a. It brought cost reduction by energy saving or material saving
 b. It brought reduction of pollution emission through target management
 c. It heightened employees' awareness
 d. It made internal or external communication smoother
 e. It improved company's credibility
 f. It did not bring effects compared with investment
 g. Other ()

	Present Survey						Previous Survey	
	Valid response			%			%	
	China	Korea	Japan	China	Korea	Japan	Korea	Japan
a. Cost reduction	17	30	497	65.4	54.5	60.2	58.1	63.9
b. Emission reduction	21	36	655	80.8	65.5	79.4	69.8	81.7
c. Employees' awareness	23	47	726	88.5	85.5	88.0	83.7	90.4
d. Communication	15	20	377	57.7	36.4	45.7	27.9	47.4
e. Company's credibility	17	21	471	65.4	38.2	57.1	46.5	57.7
f. No effect with investment	0	2	41	0.0	3.6	5.0	0.0	3.7
g. Other	1	1	13	3.8	1.8	1.6	0.0	2.7
No answer	2	0	5	7.7	0.0	0.6	0.0	0.5
Number of Samples	26	55	825					



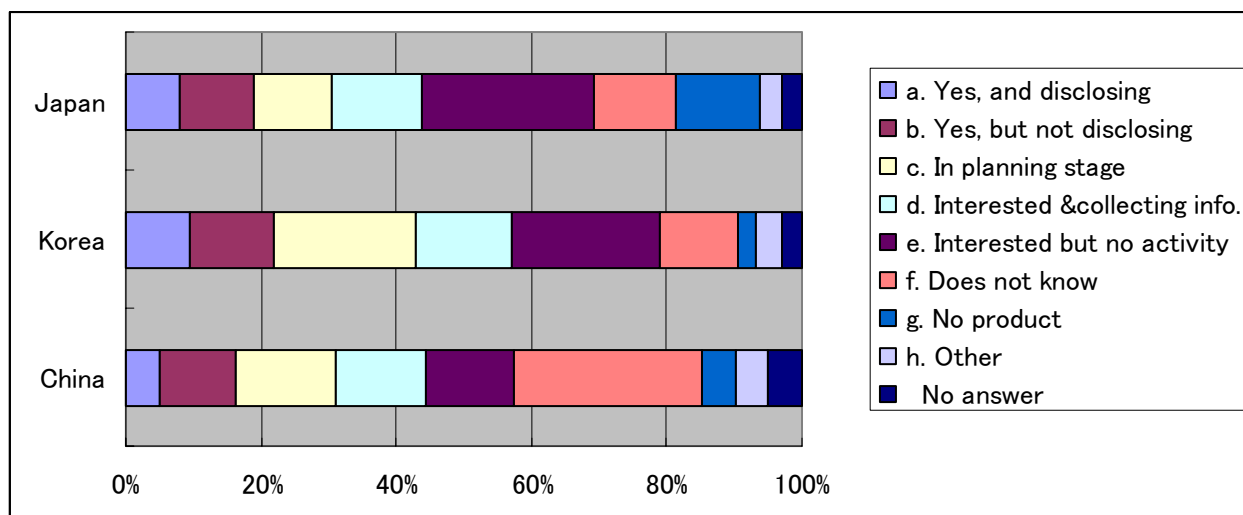
10. Has your company conducted LCA (Life Cycle Assessment) study on your products?

(Check one box.) [MOEJ4-4]

- a. Yes, and disclosing the study results
- b. Yes, but has not disclosed yet
- c. In planning stage
- d. Interested in LCA, and collecting information on it
- e. Interested in LCA, but has not taken any activities
- f. Does not know because of not knowing LCA well
- g. Has no products to be evaluated by LCA
- h. Other()

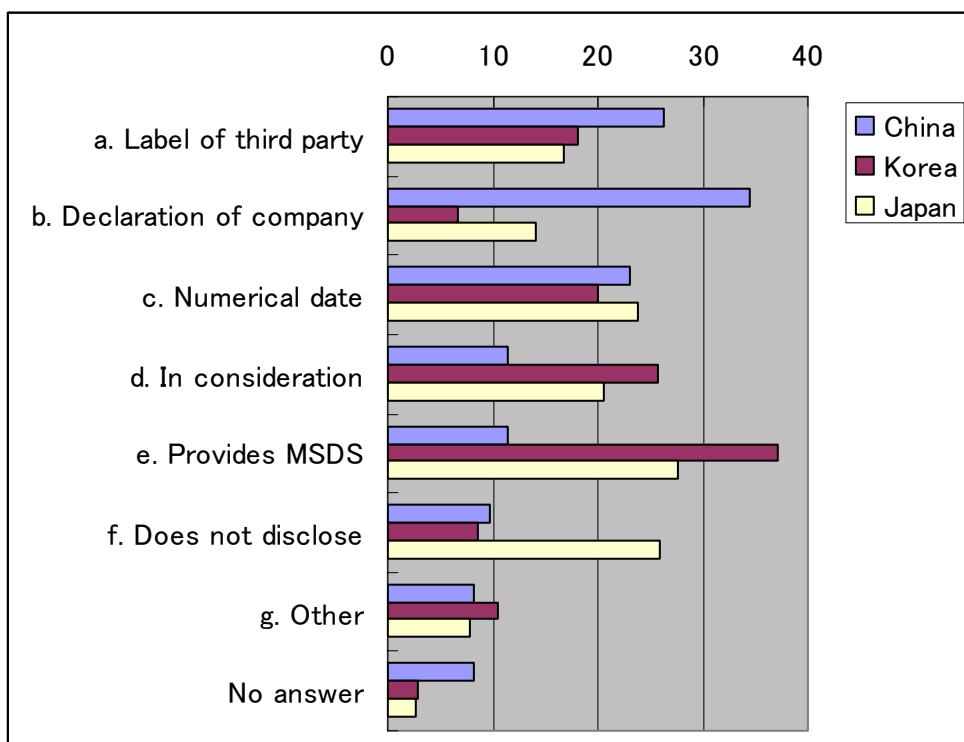
* Option "g" was added to the previous year's survey.

	Present Survey						Previous Survey	
	Valid response			%			%	
	China	Korea	Japan	China	Korea	Japan	Korea	Japan
a. Yes, and disclosing	3	10	107	4.9	9.5	8.1	5.1	7.0
b. Yes, but not disclosing	7	13	143	11.5	12.4	10.8	12.2	11.2
c. In planning stage	9	22	154	14.8	21.0	11.6	10.2	13.9
d. Interested &collecting info.	8	15	175	13.1	14.3	13.2	18.4	15.3
e. Interested but no activity	8	23	338	13.1	21.9	25.5	32.7	34.3
f. Does not know	17	12	160	27.9	11.4	12.1	15.3	12.1
g. No product	3	3	162	4.9	2.9	12.2	-	-
h. Other	3	4	45	4.9	3.8	3.4	0.0	4.1
No answer	3	3	39	4.9	2.9	2.9	6.1	2.1
Number of Samples	61	105	1,323	100.0	100.0	100.0	100.0	100.0



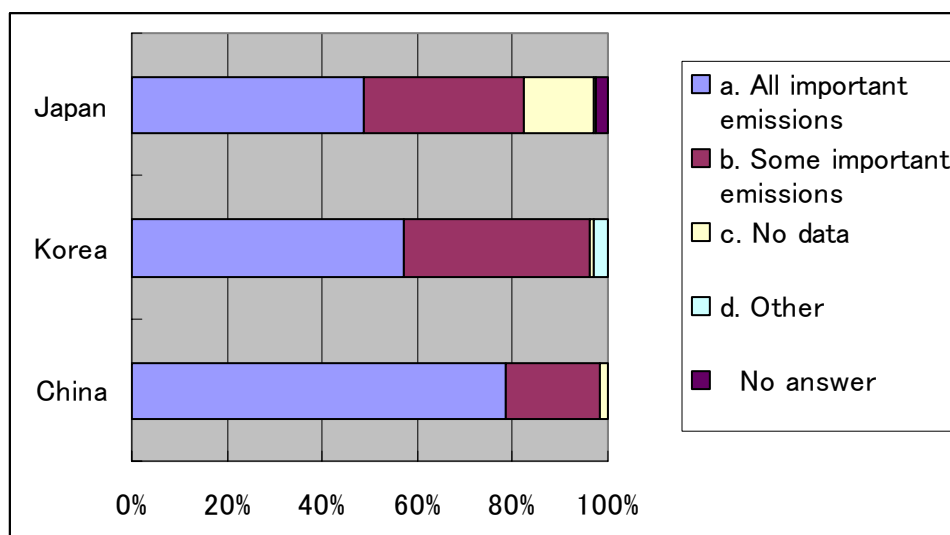
11. How does your company deal with the disclosure of environmental information on your products or services? (Check any relevant boxes.) [MOEJ4-5]
- a. Disclosing environmental information on products or brochures with environmental labels that third parties certificate
 - b. Disclosing environmental information on products or brochures with marks or declaration of the company itself
 - c. Disclosing environmental information on products or brochures with numerical data
 - d. In consideration to disclose environmental information on products or services
 - e. Provides MSDS: Material Safety Data Sheet
 - f. Does not disclose environmental information on products or services
 - g. Other ()

	Present Survey						Previous Survey	
	Valid response			%			%	
	China	Korea	Japan	China	Korea	Japan	Korea	Japan
a. Label of third party	16	19	222	26.2	18.1	16.8	8.2	16.9
b. Declaration of company	21	7	186	34.4	6.7	14.1	5.1	14.4
c. Numerical date	14	21	314	23.0	20.0	23.8	23.5	18.7
d. In consideration	7	27	272	11.5	25.7	20.6	24.5	24.0
e. Provides MSDS	7	39	367	11.5	37.1	27.7	33.7	28.7
f. Does not disclose	6	9	343	9.8	8.6	25.9	23.5	26.4
g. Other	5	11	104	8.2	10.5	7.9	1.0	7.4
No answer	5	3	35	8.2	2.9	2.6	3.1	2.6
Number of Samples	61	105	1,323					



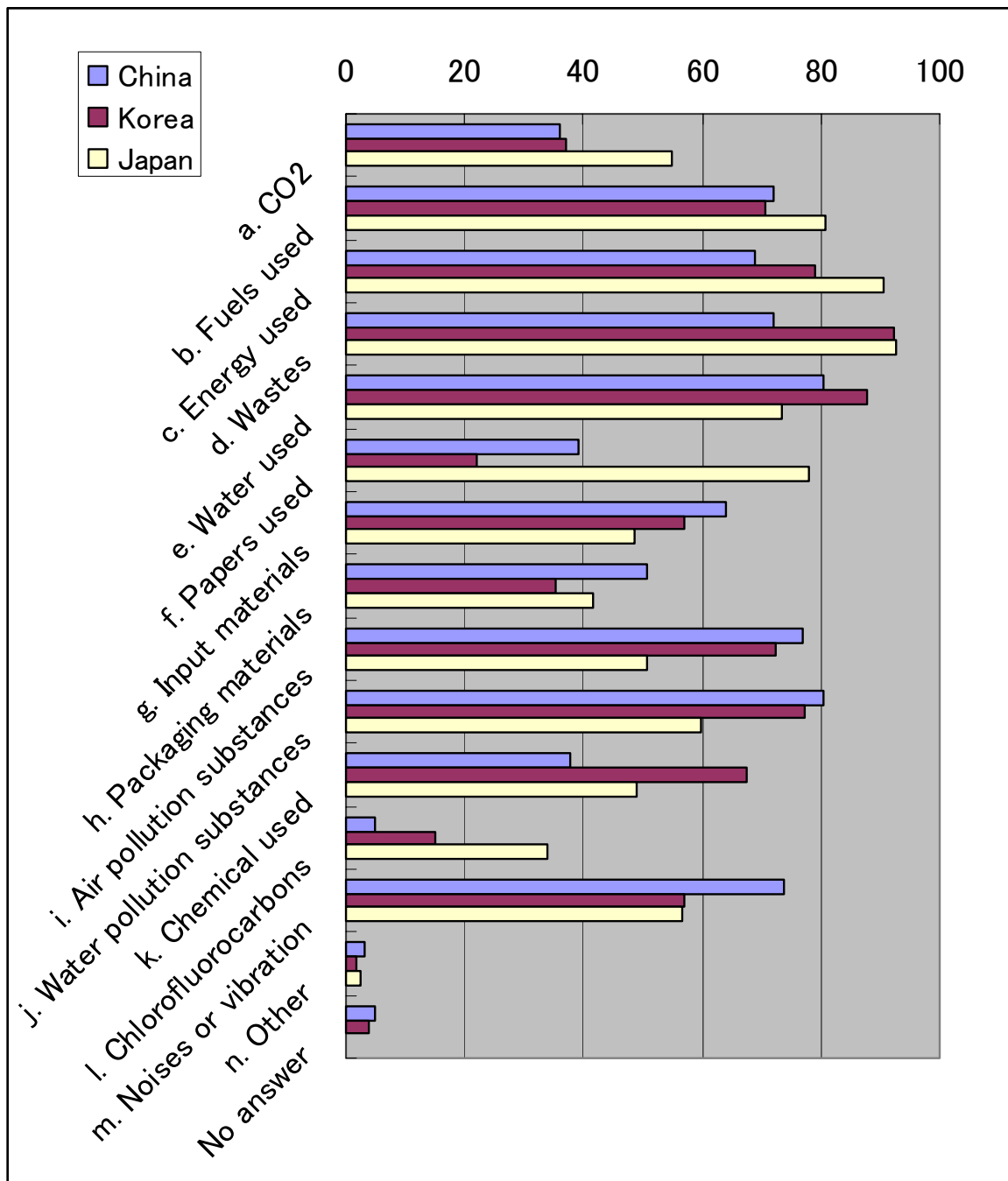
12. Does your company know the amount of pollution emission or environmental affects from your business activities? (Check one box.) [MOEJ10-1]
 a. Yes, it has data on all important emissions
 b. Yes, it has data on some parts of important emissions
 c. No, it does not have data on emissions
 d. Other ()

	Present Survey						Previous Survey	
	Valid response			%			%	
	China	Korea	Japan	China	Korea	Japan	Korea	Japan
a. All important emissions	48	60	647	78.7	57.1	48.9	62.2	47.8
b. Some important emissions	12	41	443	19.7	39.0	33.5	34.7	36.2
c. No data	1	1	192	1.6	1.0	14.5	2.0	14.9
d. Other	0	3	9	0.0	2.9	0.7	1.0	0.5
No answer	0	0	32	0.0	0.0	2.4	0.0	0.6
Number of Samples	61	105	1,323	100.0	100.0	100.0	100.0	100.0



13. For those who answered "a" or "b" at the question #12, check every item of emission data that you have. (Check any relevant boxes.) [MOEJ10-2]
- a. Amount of CO₂
 - b. Amount of fuels used
 - c. Amount of energy used
 - d. Amount of wastes
 - e. Amount of water used
 - f. Amount of papers used (papers for photocopy, printer etc.)
 - g. Amount of input materials used
 - h. Amount of packaging materials used
 - i. Emission of Air Pollution Substances(SO_x, NO_x, etc.)
 - j. Emission of Water Pollution Substances(BOD, COD etc.)
 - k. Amount of Chemicals used
 - l. Amount of chlorofluorocarbons (CFC, HCFC, HFC, PFC, SF6)
 - m. Levels of noises or vibration
 - n. Other (

	Present Survey						Previous Survey	
	Valid response			%			%	
	China	Korea	Japan	China	Korea	Japan	Korea	Japan
a. CO ₂	22	39	600	36.1	37.1	55.0	16.8	51.2
b. Fuels used	44	74	879	72.1	70.5	80.6	86.3	78.0
c. Energy used	42	83	988	68.9	79.0	90.6	71.6	88.0
d. Wastes	44	97	1010	72.1	92.4	92.7	96.8	91.4
e. Water used	49	92	799	80.3	87.6	73.3	90.5	72.9
f. Papers used	24	23	849	39.3	21.9	77.9	-	74.6
g. Input materials	39	60	529	63.9	57.1	48.5	-	50.6
h. Packaging materials	31	37	453	50.8	35.2	41.6	-	42.3
i. Air pollution substances	47	76	551	77.0	72.4	50.6	80.0	53.0
j. Water pollution substances	49	81	653	80.3	77.1	59.9	81.1	60.5
k. Chemical used	23	71	535	37.7	67.6	49.1	67.4	49.4
l. Chlorofluorocarbons	3	16	368	4.9	15.2	33.8	10.5	34.8
m. Noises or vibration	45	60	616	73.8	57.1	56.5	53.7	59.8
n. Other	2	2	26	3.3	1.9	2.4	0.0	3.3
No answer	3	4	5	4.9	3.8	0.5	0.0	0.4
Number of Samples	61	105	1,090					



14. Does your company disclose information on your environmental activities? (Check one box.)

[MOEJ 7-1]

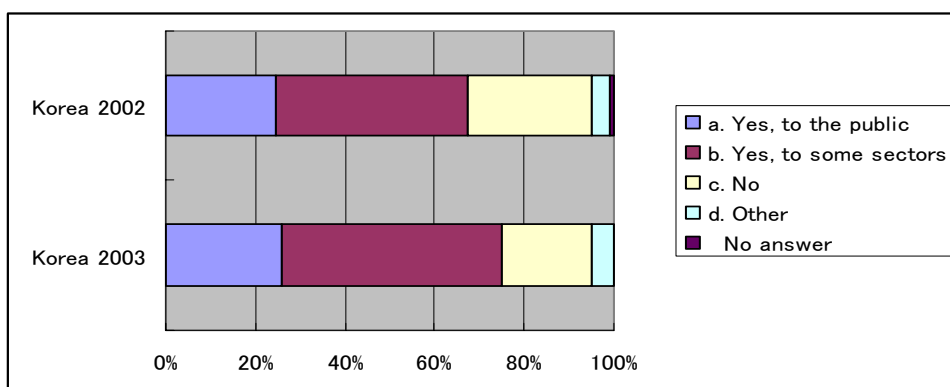
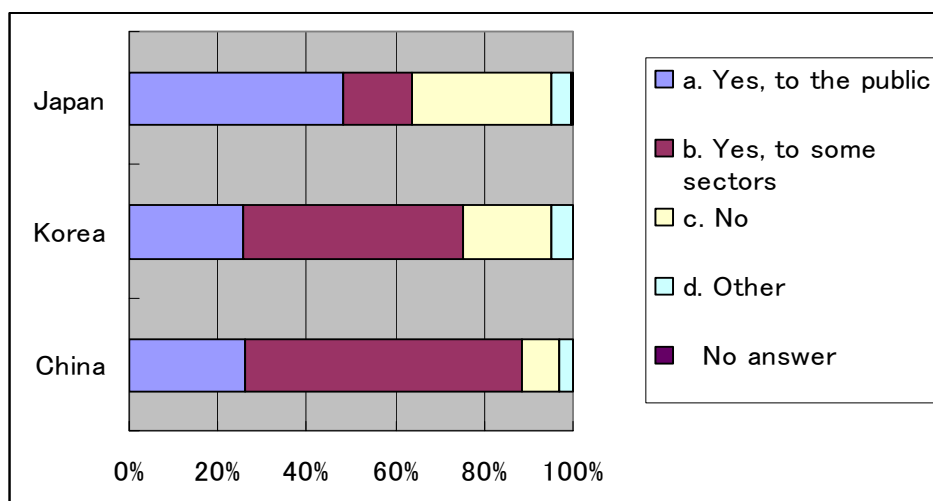
a. Yes, discloses to the public

b. Yes, discloses to some sectors

c. No, does not disclose

d. Other ()

	Present Survey						Previous Survey	
	Valid response			%			%	
	China	Korea	Japan	China	Korea	Japan	Korea	Japan
a. Yes, to the public	16	27	640	26.2	25.7	48.4	24.5	42.5
b. Yes, to some sectors	38	52	201	62.3	49.5	15.2	42.9	15.4
c. No	5	21	420	8.2	20.0	31.7	27.6	37.3
d. Other	2	5	55	3.3	4.8	4.2	4.1	4.6
No answer	0	0	7	0.0	0.0	0.5	1.0	0.2
Number of Samples	61	105	1,323	100.0	100.0	100.0	100.0	100.0



15. For those who answered "a" or "b" at the question#14, what information are disclosed? (Check any relevant boxes.) [MOEJ 7-2]

a. Environment management policy

b. Amount of CO₂

c. Amount of SO_x, NO_x, PM etc.

d. Amount of wastes

e. Amount of chemicals used

f. Environmental Targets

g. Environmental action plan

h. Status of environmental activities

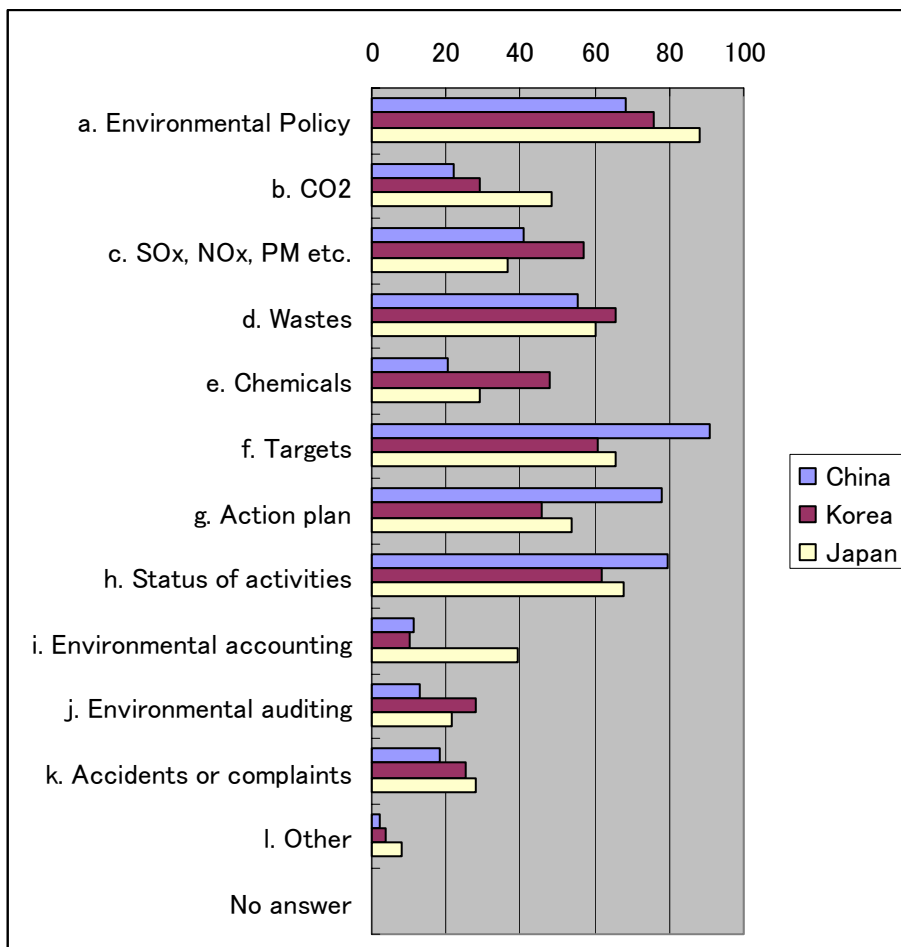
i. Environmental accounting

j. Results of environmental auditing

k. Status of environment related accidents or complaints

l. Other ()

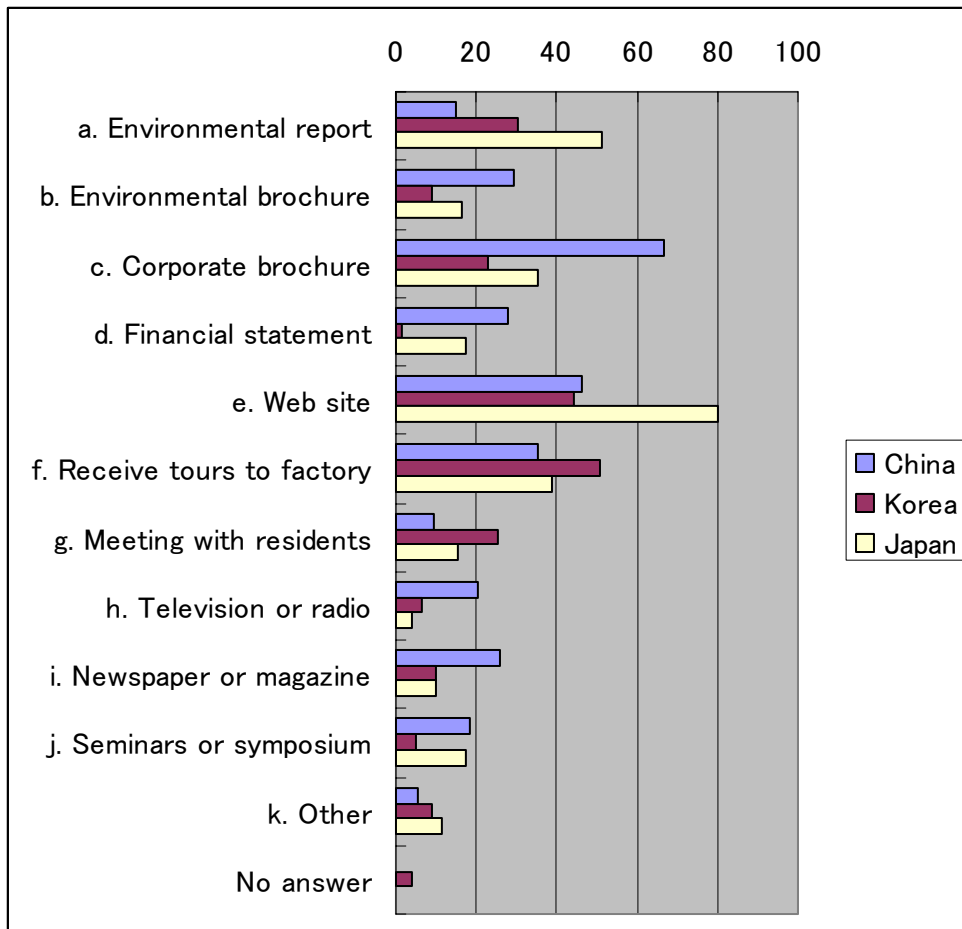
	Present Survey						Previous Survey	
	Valid response			%			%	
	China	Korea	Japan	China	Korea	Japan	Korea	Japan
a. Environmental Policy	37	60	742	68.5	75.9	88.2	37.8	90.1
b. CO ₂	12	23	405	22.2	29.1	48.2	11.2	44.4
c. SO _x , NO _x , PM etc.	22	45	307	40.7	57.0	36.5	45.9	34.2
d. Wastes	30	52	508	55.6	65.8	60.4	56.1	58.7
e. Chemicals	11	38	244	20.4	48.1	29.0	36.7	26.5
f. Targets	49	48	552	90.7	60.8	65.6	37.8	63.1
g. Action plan	42	36	451	77.8	45.6	53.6	28.6	50.7
h. Status of activities	43	49	571	79.6	62.0	67.9	49.0	65.8
i. Environmental accounting	6	8	332	11.1	10.1	39.5	9.2	34.8
j. Environmental auditing	7	22	180	13.0	27.8	21.4	17.3	18.6
k. Accidents or complaints	10	20	236	18.5	25.3	28.1	22.4	24.1
l. Other	1	3	69	1.9	3.8	8.2	2.0	10.8
No answer	0	0	3	0.0	0.0	0.4	26.5	0.3
Number of Samples	54	79	841					



16. For those who answered "a" or "b" at the question#14, how does your company disclose environmental information? (Check any relevant boxes.) [MOEJ7-3]
- a. By issuing an environmental report
 - b. By issuing an environmental brochure or a small booklet
 - c. By incorporating environmental information into the corporate brochure
 - d. By incorporating environmental information into the financial statements etc.
 - e. By posting at the web site of your company
 - f. By receiving tours to factories or facilities
 - g. By holding meetings with residents
 - h. By advertising through television or radio
 - i. By advertising through newspapers or magazines
 - j. By holding seminars, symposiums or exhibitions
 - k. Other ()

* Options "h", "i" and "j" were added to the previous year.

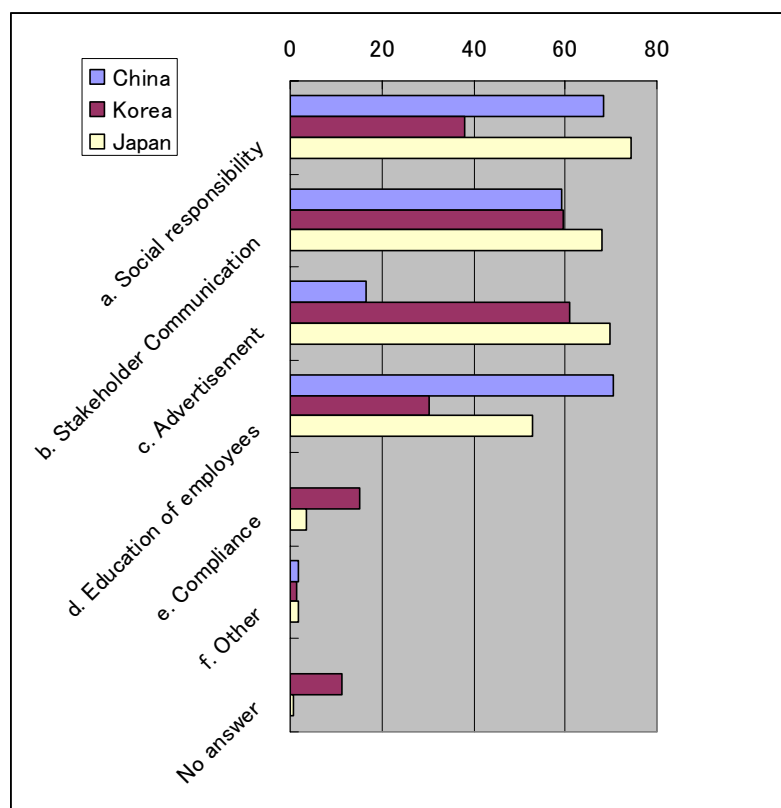
	Present Survey						Previous Survey	
	Valid response			%			%	
	China	Korea	Japan	China	Korea	Japan	Korea	Japan
a. Environmental report	8	24	430	14.8	30.4	51.1	14.3	47.6
b. Environmental brochure	16	7	138	29.6	8.9	16.4	6.1	21.8
c. Corporate brochure	36	18	296	66.7	22.8	35.2	13.3	36.2
d. Financial statement	15	1	148	27.8	1.3	17.6	2.0	16.6
e. Web site	25	35	673	46.3	44.3	80.0	22.4	74.1
f. Receive tours to factory	19	40	326	35.2	50.6	38.8	42.9	40.1
g. Meeting with residents	5	20	128	9.3	25.3	15.2	28.6	15.1
h. Television or radio	11	5	32	20.4	6.3	3.8	-	-
i. Newspaper or magazine	14	8	85	25.9	10.1	10.1	-	-
j. Seminars or symposium	10	4	146	18.5	5.1	17.4	-	-
k. Other	3	7	96	5.6	8.9	11.4	17.3	12.8
No answer	0	3	5	0.0	3.8	0.6	27.6	0.9
Number of Samples	54	79	841					



17. For those who answered "a" or "b" at the question#14, what are the purposes of disclosing environmental information? (Check any relevant boxes.) [MOEJ7-4]

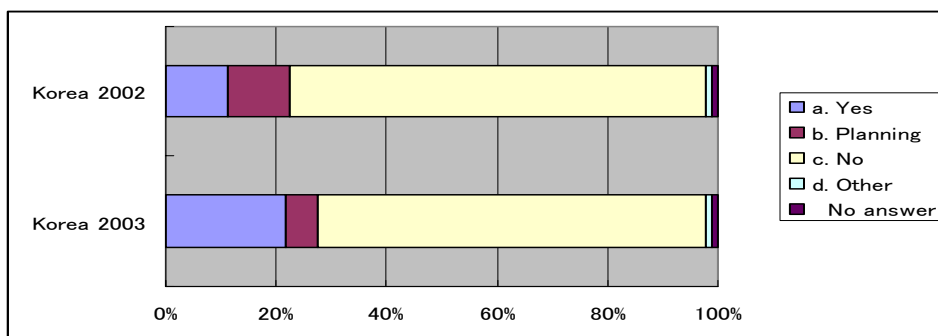
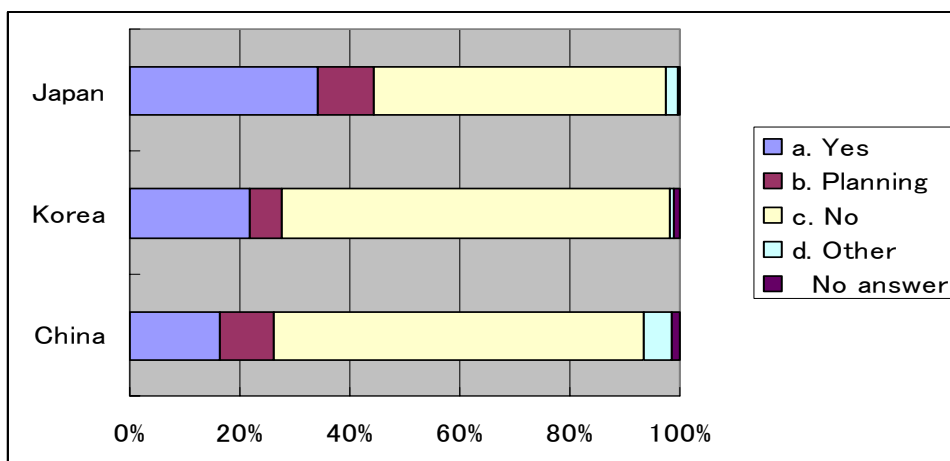
a. To fulfill social responsibility
 b. To communicate with stakeholders
 c. To advertise company's environmental activities
 d. To educate employees etc on environment
 e. To follow compliances of information disclosure system in Western countries
 f. Other ()

	Present Survey						Previous Survey	
	Valid response			%			%	
	China	Korea	Japan	China	Korea	Japan	Korea	Japan
a. Social responsibility	37	30	624	68.5	38.0	74.2	29.6	77.1
b. Stakeholder Communication	32	47	571	59.3	59.5	67.9	50.0	66.2
c. Advertisement	9	48	587	16.7	60.8	69.8	31.6	70.5
d. Education of employees	38	24	444	70.4	30.4	52.8	30.6	51.5
e. Compliance	0	12	29	0.0	15.2	3.4	3.1	3.6
f. Other	1	1	16	1.9	1.3	1.9	4.1	1.2
No answer	0	9	7	0.0	11.4	0.8	25.5	1.3
Number of Samples	54	79	841					



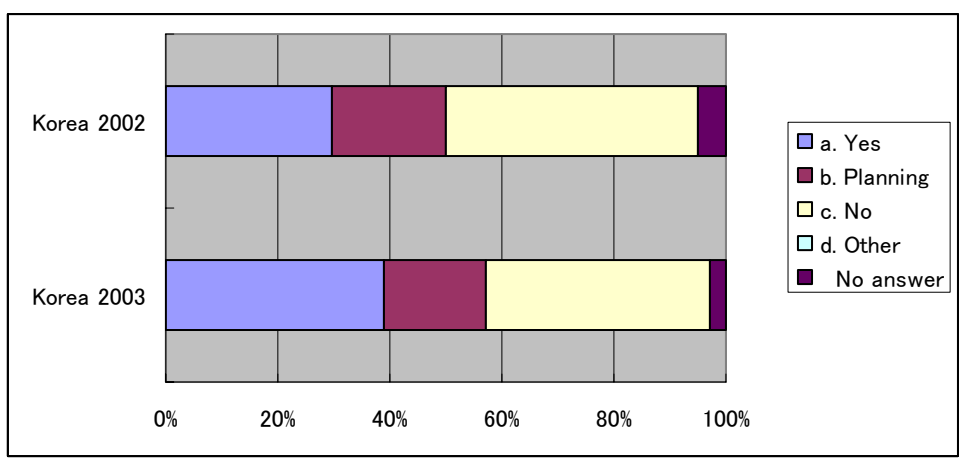
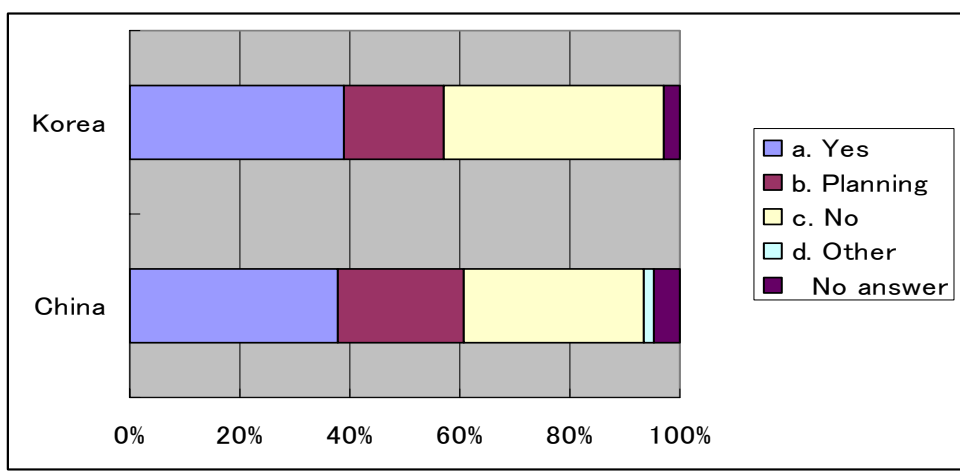
18. Does your company publish environmental report or sustainable report?
 (Check one box.) [MOEJ8-1]
 a. Yes, publishes it
 b. Planning to publish it next year
 c. No
 d. Other ()

	Present Survey						Previous Survey	
	Valid response			%			%	
	China	Korea	Japan	China	Korea	Japan	Korea	Japan
a. Yes	10	23	450	16.4	21.9	34.0	11.2	29.9
b. Planning	6	6	136	9.8	5.7	10.3	11.2	15.6
c. No	41	74	701	67.2	70.5	53.0	75.5	52.1
d. Other	3	1	29	4.9	1.0	2.2	1.0	1.5
No answer	1	1	7	1.6	1.0	0.5	1.0	0.9
Number of Samples	61	105	1,323	100.0	100.0	100.0	100.0	100.0



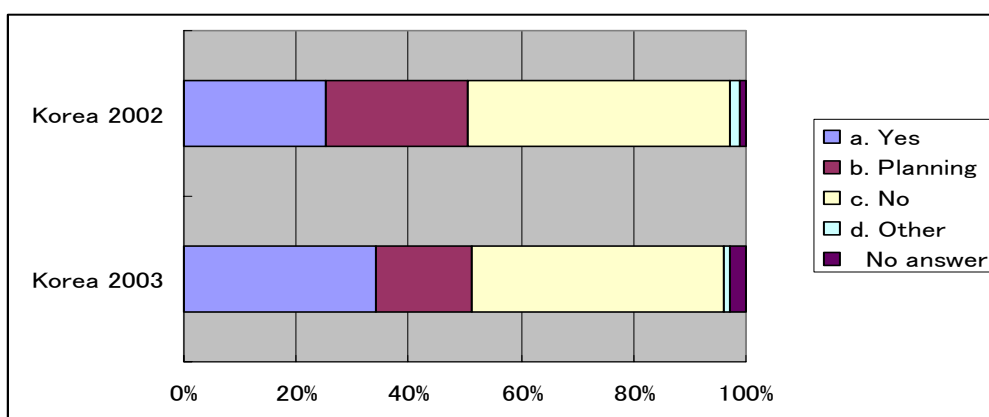
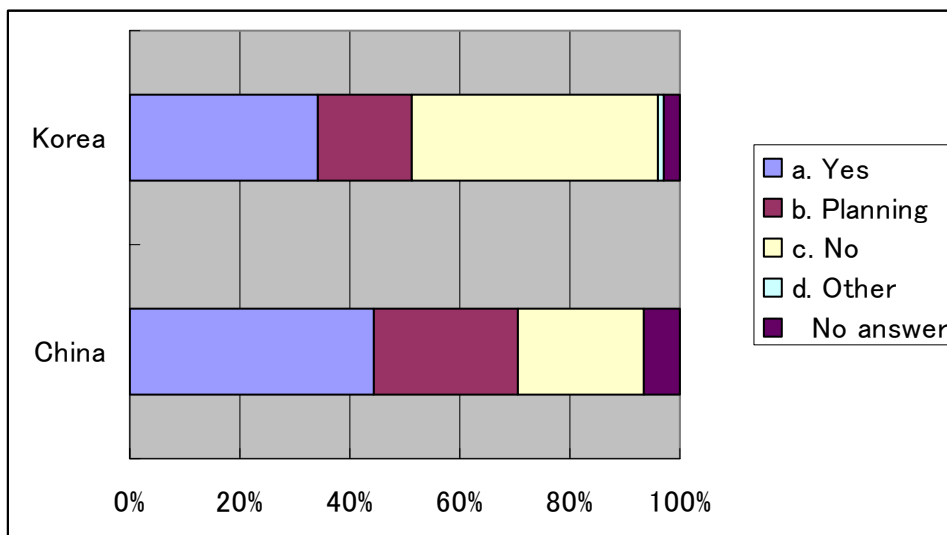
19. Does your company's annual report include an environmental section? (Check one box.) [FY2002]
 a. Yes
 b. Planning
 c. No
 d. Other ()

	Present Survey						Previous Survey	
	Valid response			%			%	
	China	Korea	Japan	China	Korea	Japan	Korea	Japan
a. Yes	23	41		37.7	39.0		29.6	
b. Planning	14	19		23.0	18.1		20.4	
c. No	20	42		32.8	40.0		44.9	
d. Other	1	0		1.6	0.0		0.0	
No answer	3	3		4.9	2.9		5.1	
Number of Samples	61	105		100.0	100.0		100.0	



20. Does your company's website include an environmental section? (Check one box.) [FY2002]
 a. Yes
 b. Planning
 c. No
 d. Other (

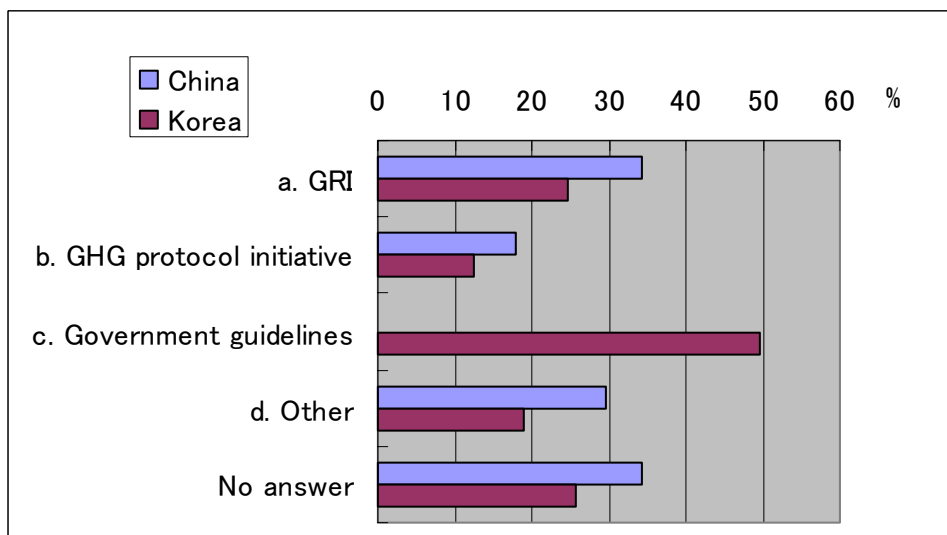
	Present Survey						Previous Survey	
	Valid response			%			%	
	China	Korea	Japan	China	Korea	Japan	Korea	Japan
a. Yes	27	36		44.3	34.3		25.5	
b. Planning	16	18		26.2	17.1		25.5	
c. No	14	47		23.0	44.8		46.9	
d. Other	0	1		0.0	1.0		2.0	
No answer	4	3		6.6	2.9		1.0	
Number of Samples	61	105		100.0	100.0		100.0	



21. Is your company aware of the followings? (Check any relevant boxes.) [FY2002]
 a. GRI(Global Reporting Initiative)'s sustainability reporting guidelines
 b. Corporate GHG(green house gas) accounting and reporting standards by GHG protocol initiative
 c. National government's accounting or reporting guidelines [Korea only]
 d. Other ()

* Option "b" was added to the previous year.

	Present Survey						Previous Survey	
	Valid response			%			%	
	China	Korea	Japan	China	Korea	Japan	Korea	Japan
a. GRI	21	26		34.4	24.8		17.3	
b. GHG protocol initiative	11	13		18.0	12.4		-	
c. Government guidelines	0	52		0.0	49.5		53.1	
d. Other	18	20		29.5	19.0		34.7	
No answer	21	27		34.4	25.7		11.2	
Number of Samples	61	105						

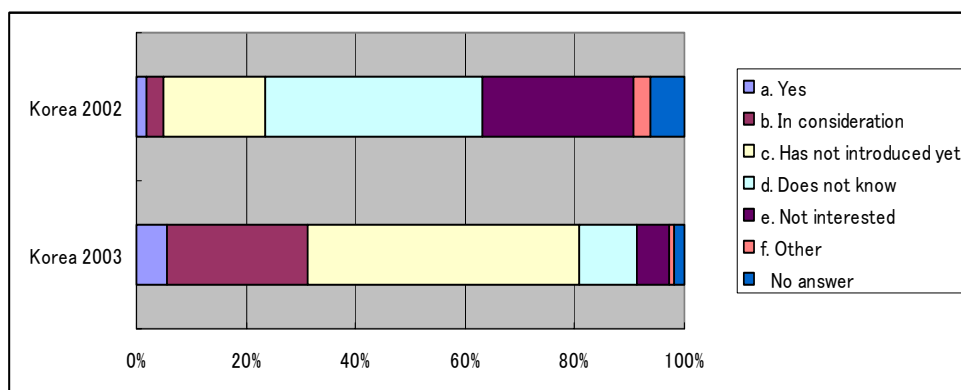
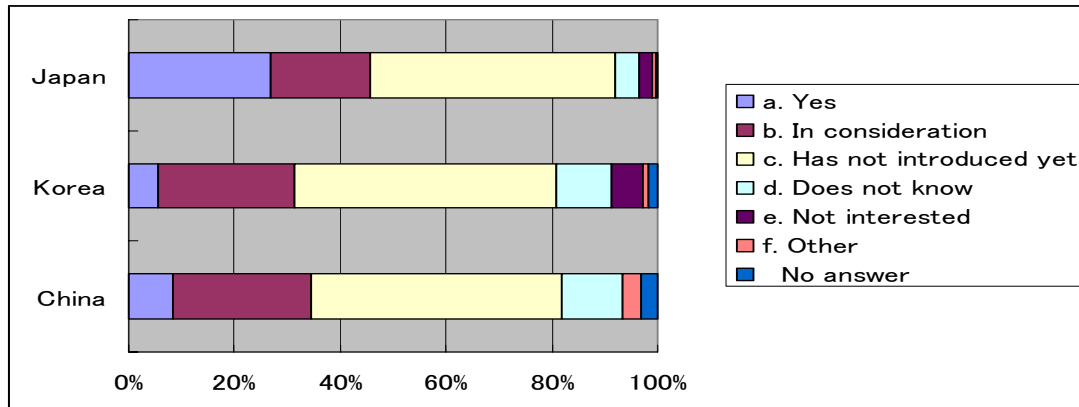


22. Has your company introduced an environmental accounting system?

(Check one box.) [MOEJ9-1]

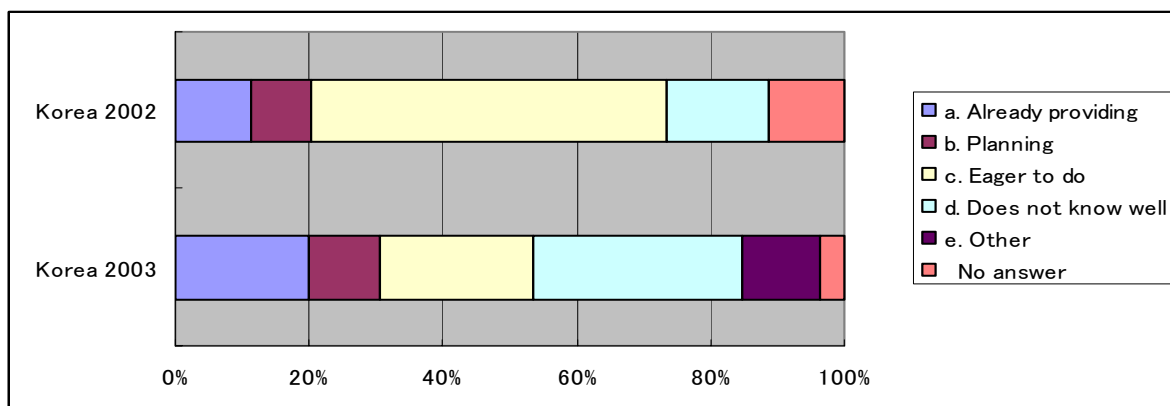
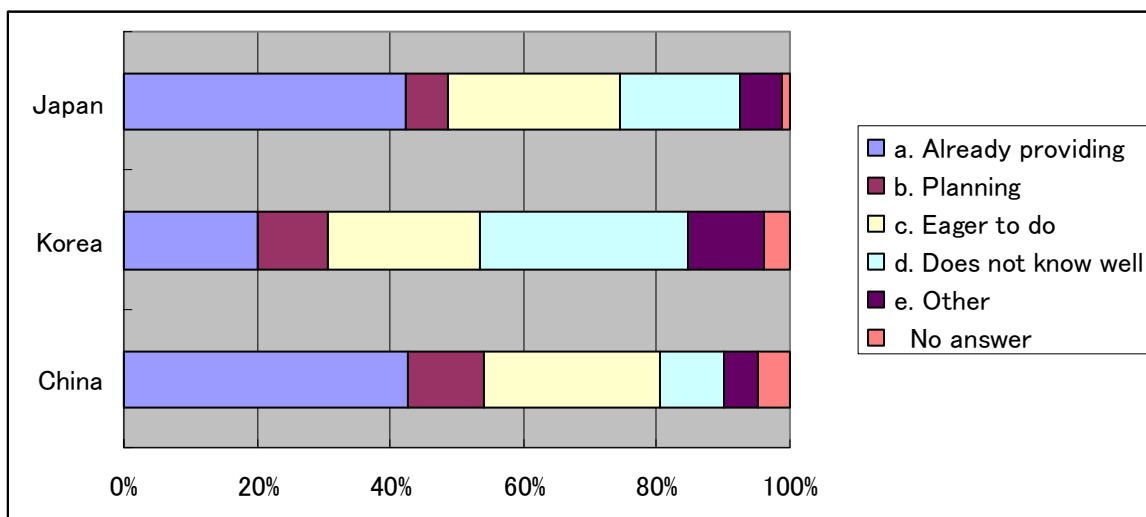
- a. Yes, already introduced it
- b. In consideration
- c. Has not introduced it yet
- d. Does not know "environmental accounting"
- e. Not interested in environmental accounting
- f. Other ()

	Present Survey						Previous Survey	
	Valid response			%			%	
	China	Korea	Japan	China	Korea	Japan	Korea	Japan
a. Yes	5	6	355	8.2	5.7	26.8	2.0	23.1
b. In consideration	16	27	247	26.2	25.7	18.7	3.1	25.8
c. Has not introduced yet	29	52	614	47.5	49.5	46.4	18.4	45.0
d. Does not know	7	11	61	11.5	10.5	4.6	39.8	4.2
e. Not interested	0	6	31	0.0	5.7	2.3	27.6	0.9
f. Other	2	1	11	3.3	1.0	0.8	3.1	0.9
No answer	2	2	4	3.3	1.9	0.3	6.1	0.2
Number of Samples	61	105	1.323	100.0	100.0	100.0	100.0	100.0



23. In what position does your company locate "environmental business"? (Check one box.) [MOEJ11-1]
 a. Already providing goods or services
 b. Planning to provide goods or services
 c. Nothing being done now, but is eager to do something
 d. Does not know well
 e. Other ()

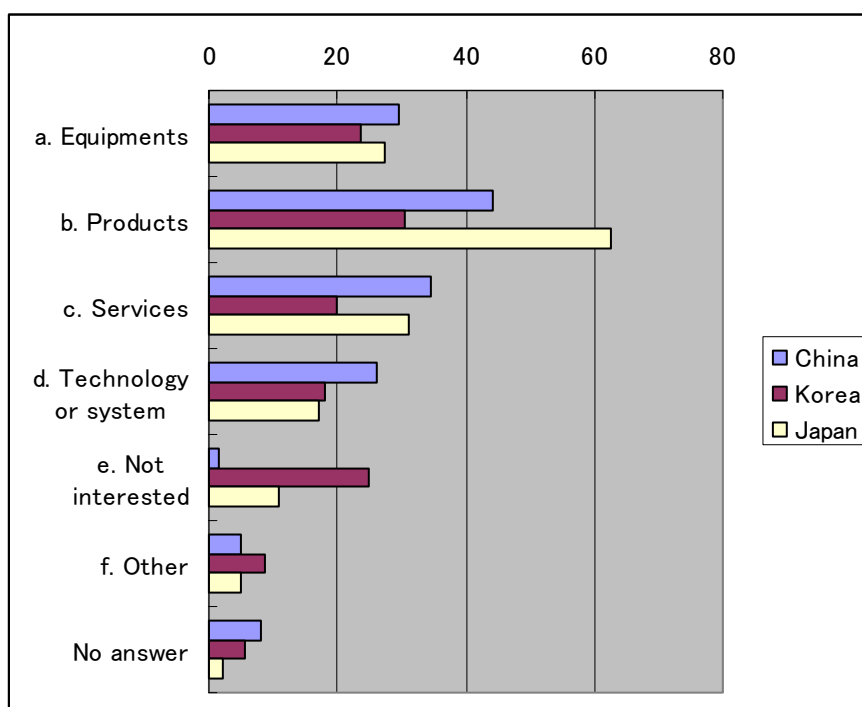
	Present Survey						Previous Survey	
	Valid response			%			%	
	China	Korea	Japan	China	Korea	Japan	Korea	Japan
a. Already providing	26	21	561	42.6	20.0	42.4	11.2	43.6
b. Planning	7	11	83	11.5	10.5	6.3	9.2	8.9
c. Eager to do	16	24	341	26.2	22.9	25.8	53.1	24.6
d. Does not know well	6	33	240	9.8	31.4	18.1	15.3	14.7
e. Other	3	12	83	4.9	11.4	6.3	0.0	7.6
No answer	3	4	15	4.9	3.8	1.1	11.2	0.6
Number of Samples	61	105	1,323	100.0	100.0	100.0	100.0	100.0



24. Which areas is your company interested in for environmental business?
 (Check any relevant boxes.) [MOEJ11-2]

a. Development or sales of equipments that reduces pollution emission
 b. Development or sales of products that are environmentally efficient
 c. Development or sales of services that contribute to environmental conservation
 d. Development or sales of technology, machinery or system that are used for social infrastructures
 e. Not interested in environmental business
 f. Other ()

	Present Survey						Previous Survey	
	Valid response			%			%	
	China	Korea	Japan	China	Korea	Japan	Korea	Japan
a. Equipments	18	25	363	29.5	23.8	27.4	15.3	29.0
b. Products	27	32	827	44.3	30.5	62.5	45.9	67.6
c. Services	21	21	410	34.4	20.0	31.0	27.6	29.7
d. Technology or system	16	19	226	26.2	18.1	17.1	24.5	17.3
e. Not interested	1	26	145	1.6	24.8	11.0	23.5	7.0
f. Other	3	9	68	4.9	8.6	5.1	11.2	5.4
No answer	5	6	31	8.2	5.7	2.3	11.2	3.3
Number of Samples	61	105	1,323					

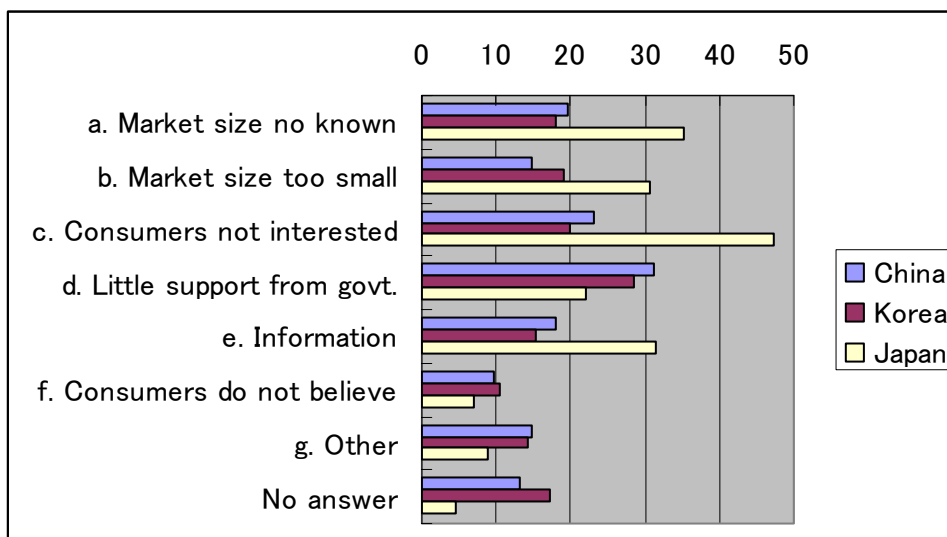


25. Which are the obstacles for your environmental business ?
 (Check any relevant boxes.) [MOEJ11-3]

a. Market size for each area is not known.
 b. Present market size is too small to raise profit
 c. Consumers or users are still not interested
 d. Supports from government etc are little for development or sales
 e. Relevant information is hard to obtain
 f. Consumers or users do not believe the environmental conservation effects of products or technologies
 g. Other ()

* Option "f" was added to the previous year.

	Present Survey						Previous Survey	
	Valid response			%			%	
	China	Korea	Japan	China	Korea	Japan	Korea	Japan
a. Market size no known	12	19	467	19.7	18.1	35.3	7.1	33.3
b. Market size too small	9	20	406	14.8	19.0	30.7	14.3	30.4
c. Consumers not interested	14	21	625	23.0	20.0	47.2	34.7	46.6
d. Little support from govt.	19	30	291	31.1	28.6	22.0	32.7	21.6
e. Information	11	16	415	18.0	15.2	31.4	27.6	29.1
f. Consumers do not believe	6	11	92	9.8	10.5	7.0	-	-
g. Other	9	15	117	14.8	14.3	8.8	12.2	7.6
No answer	8	18	60	13.1	17.1	4.5	11.2	7.0
Number of Samples	61	105	1,323					



26. Which one most properly presents your company's attitude toward global warming?
 (Check one box.) [MOEJ12-1]

a. Thinks that global warming is an important issue, has a management policy relating to it, does concrete activities

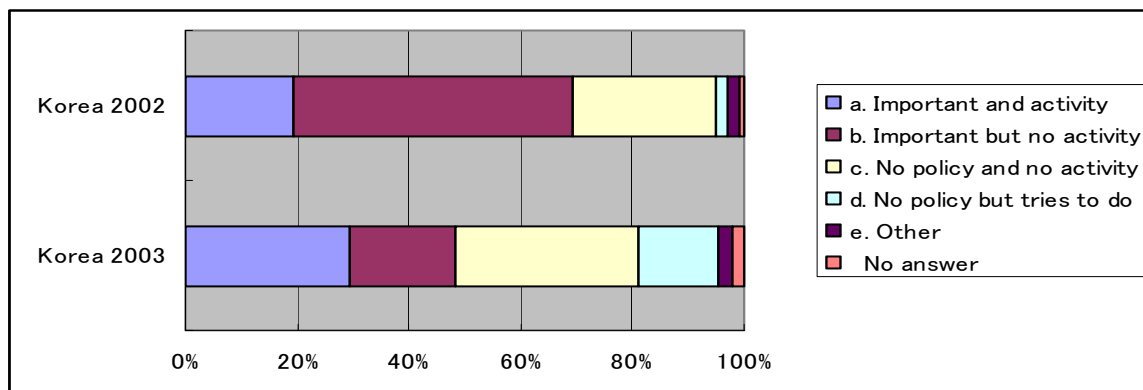
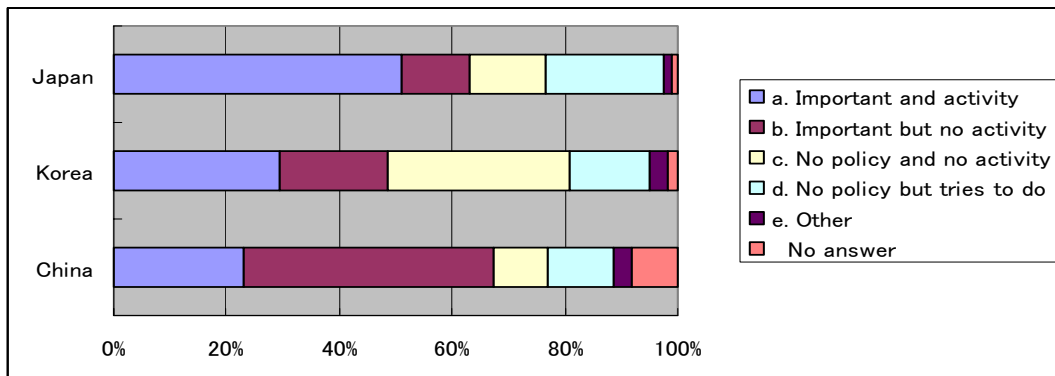
b. Thinks that global warming is an important issue, does not have a management policy relating to it, tries to do to the extent possible, but does nothing concrete because global warming is highly uncertain

c. Does not have a management policy relating to it, tries to do to the extent possible, but does nothing concrete at now

d. Does not have a management policy relating to it, but tries to do to the extent possible

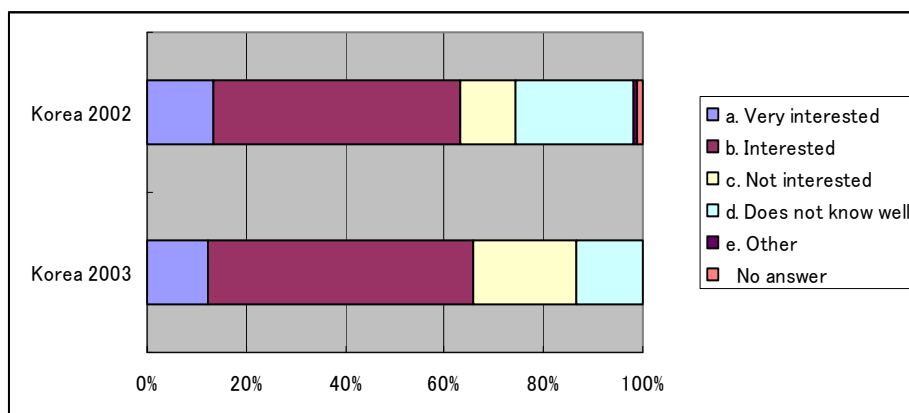
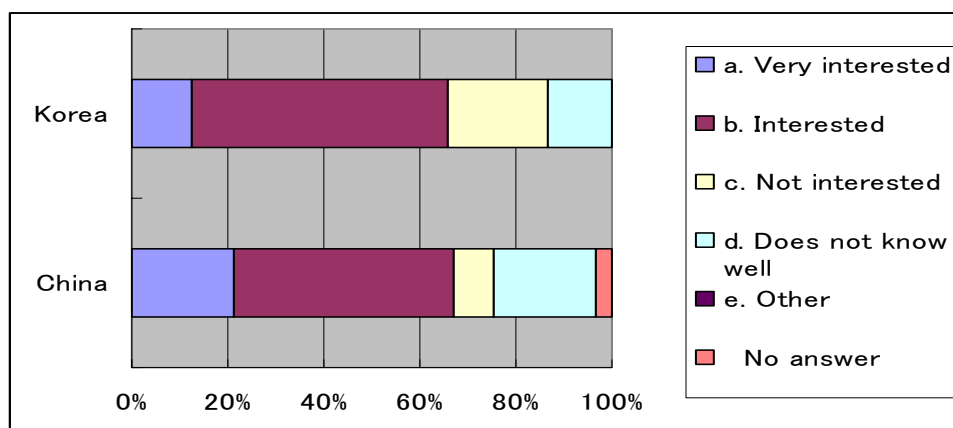
e. Other ()

	Present Survey						Previous Survey	
	Valid response			%			%	
	China	Korea	Japan	China	Korea	Japan	Korea	Japan
a. Important and activity	14	31	674	23.0	29.5	50.9	19.4	44.9
b. Important but no activity	27	20	159	44.3	19.0	12.0	50.0	12.5
c. No policy and no activity	6	34	178	9.8	32.4	13.5	25.5	17.2
d. No policy but tries to do	7	15	277	11.5	14.3	20.9	2.0	23.0
e. Other	2	3	23	3.3	2.9	1.7	2.0	1.5
No answer	5	2	12	8.2	1.9	0.9	1.0	0.8
Number of Samples	61	105	1,323	100.0	100.0	100.0	100.0	100.0



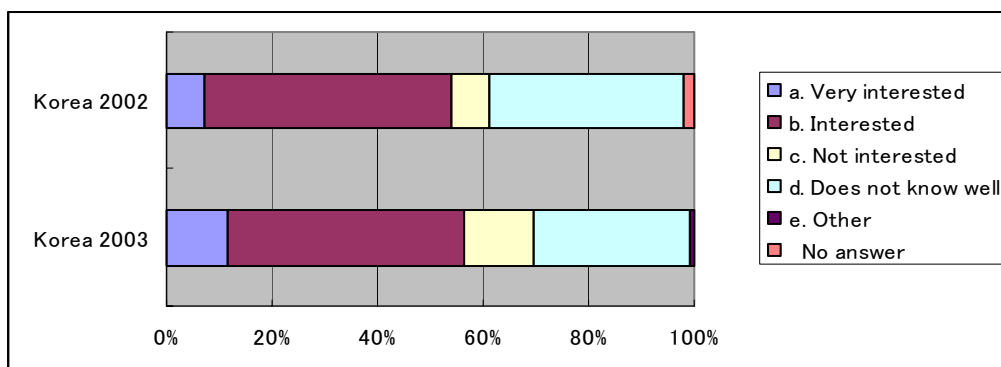
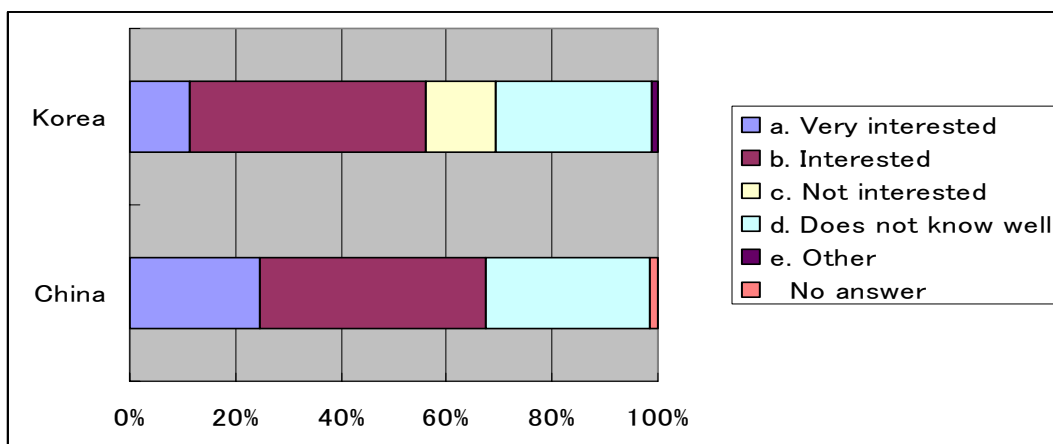
27. What does your company think about "greenhouse gas emission trading"? (Check one box.)
 [FY2002]
 a. Very interested
 b. Interested
 c. Not interested
 d. Does not know well
 e. Other (

	Present Survey						Previous Survey	
	Valid response			%			%	
	China	Korea	Japan	China	Korea	Japan	Korea	Japan
a. Very interested	13	13		21.3	12.4		13.3	
b. Interested	28	56		45.9	53.3		50.0	
c. Not interested	5	22		8.2	21.0		11.2	
d. Does not know well	13	14		21.3	13.3		23.5	
e. Other	0	0		0.0	0.0		1.0	
No answer	2	0		3.3	0.0		1.0	
Number of Samples	61	105		100.0	100.0		100.0	



28. What does your company think about "CDM: Clean Development Mechanism"? (Check one box.)
 [FY2002]
 a. Very interested
 b. Interested
 c. Not interested
 d. Does not know well
 e. Other ()

	Present Survey						Previous Survey	
	Valid response			%			%	
	China	Korea	Japan	China	Korea	Japan	Korea	Japan
a. Very interested	15	12		24.6	11.4		7.1	
b. Interested	26	47		42.6	44.8		46.9	
c. Not interested	0	14		0.0	13.3		7.1	
d. Does not know well	19	31		31.1	29.5		36.7	
e. Other	0	1		0.0	1.0		0.0	
No answer	1	0		1.6	0.0		2.0	
Number of Samples	61	105		100.0	100.0		100.0	

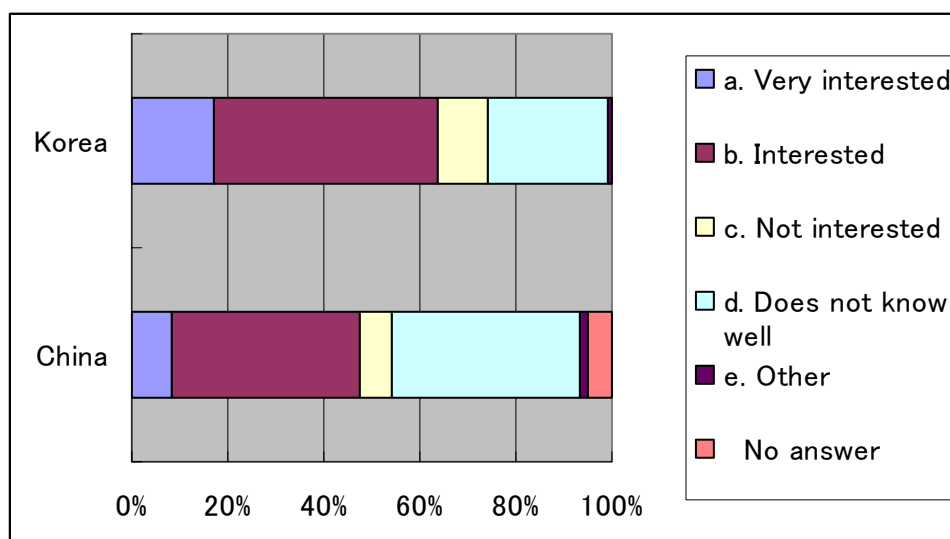


29. What does your company think about working with ESCO (Energy Service Companies) ?

(Check one box.) [FY2003]

- a. Very interested
- b. Interested
- c. Not interested
- d. Does not know well
- e. Other (

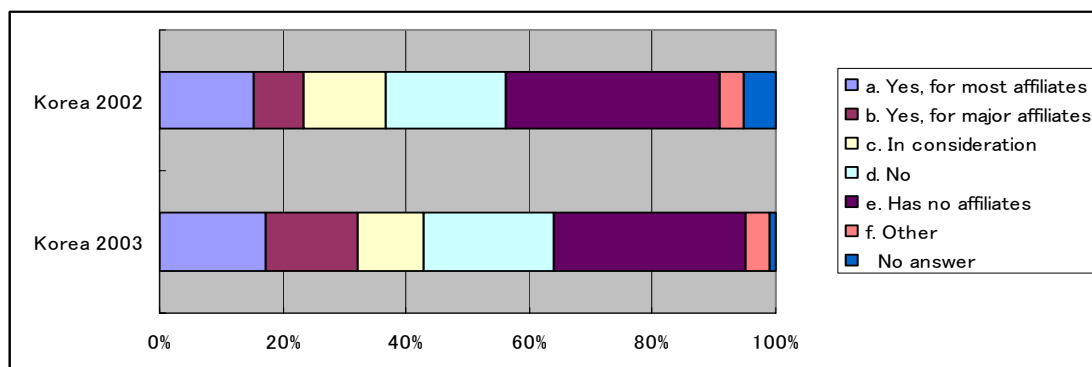
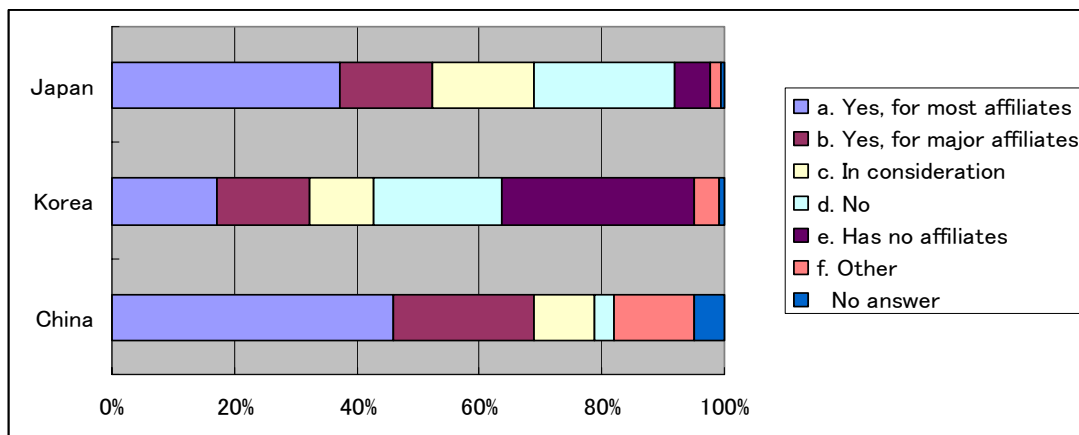
	Present Survey						Previous Survey	
	Valid response			%			%	
	China	Korea	Japan	China	Korea	Japan	Korea	Japan
a. Very interested	5	18		8.2	17.1			
b. Interested	24	49		39.3	46.7			
c. Not interested	4	11		6.6	10.5			
d. Does not know well	24	26		39.3	24.8			
e. Other	1	1		1.6	1.0			
No answer	3	0		4.9	0.0			
Number of Samples	61	105		100.0	100.0			



30. Does your company conduct guidance to your affiliates (more than 50% of investment) so that those affiliates meet the standards of your company? (Check one box.) [MOEJ6-1]

a. Yes, for most affiliates
 b. Yes, for major affiliates
 c. In consideration
 d. No
 e. Has no affiliates
 f. Other ()

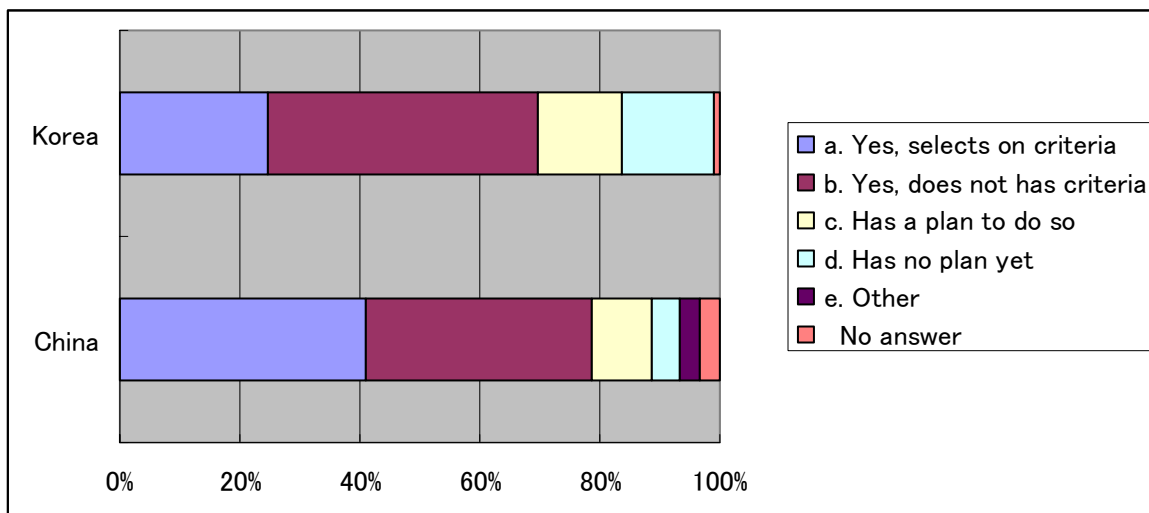
	Present Survey						Previous Survey	
	Valid response			%			%	
	China	Korea	Japan	China	Korea	Japan	Korea	Japan
a. Yes, for most affiliates	28	18	493	45.9	17.1	37.3	15.3	34.5
b. Yes, for major affiliates	14	16	199	23.0	15.2	15.0	8.2	16.1
c. In consideration	6	11	221	9.8	10.5	16.7	13.3	17.9
d. No	2	22	302	3.3	21.0	22.8	19.4	23.9
e. Has no affiliates	0	33	78	0.0	31.4	5.9	34.7	5.4
f. Other	8	4	21	13.1	3.8	1.6	4.1	1.4
No answer	3	1	9	4.9	1.0	0.7	5.1	0.9
Number of Samples	61	105	1,323	100.0	100.0	100.0	100.0	100.0



31. When selecting contractors, does your company take into consideration whether they are doing their business activities in environmentally sound way? (Check one box.)
 [MOEJ6-2 for domestic contractor, 6-3 for international contractor]
 a. Yes, selects contractors based on such criteria as contractors that has ISO14001 certificate etc.
 b. Yes, but does not have criteria
 c. Has a plan to do so
 d. Has no plan yet
 e. Other ()

	Present Survey						Previous Survey	
	Valid response			%			%	
	China	Korea	Japan	China	Korea	Japan	Korea	Japan
a. Yes, selects on criteria	25	26		41.0	24.8		22.4	
b. Yes, does not has criteria	23	47		37.7	44.8		41.8	
c. Has a plan to do so	6	15		9.8	14.3		15.3	
d. Has no plan yet	3	16		4.9	15.2		18.4	
e. Other	2	0		3.3	0.0		2.0	
No answer	2	1		3.3	1.0		0.0	
Number of Samples	61	105		100.0	100.0		100.0	

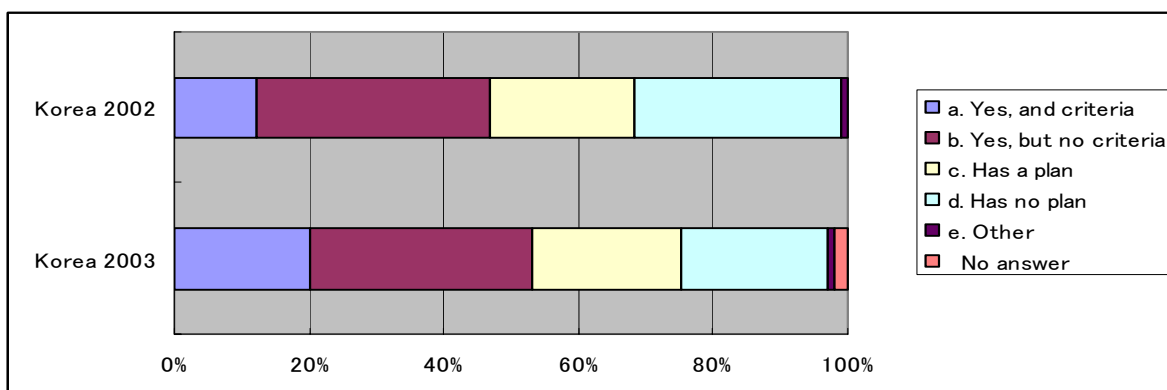
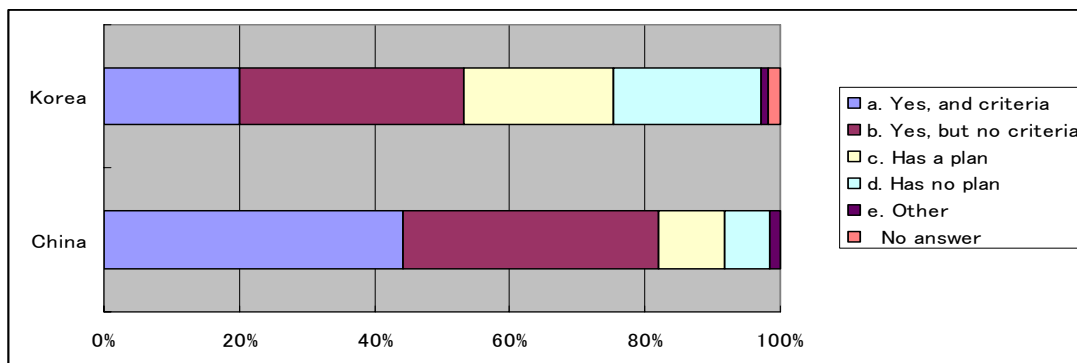
* Since Japan's survey was conducted by asking to domestic contractor and to oversea contractor, Japan's data is not described here.



32. When purchasing materials etc., does your company take into consideration whether those materials are environmentally sound? (Green procurement) (Check one box.)
 [MOEJ6-4 for domestic purchasing, 6-5 for international purchasing]
 a. Yes, selects products or services based on such criteria as green procurement guidelines, list of goods to purchase
 b. Yes, but does not have criteria
 c. Has a plan to do so
 d. Has no plan yet
 e. Other ()

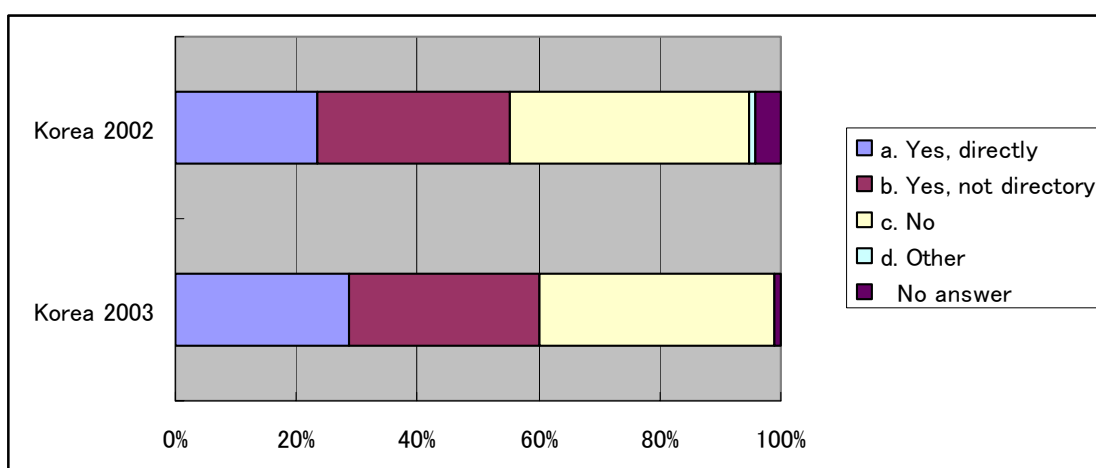
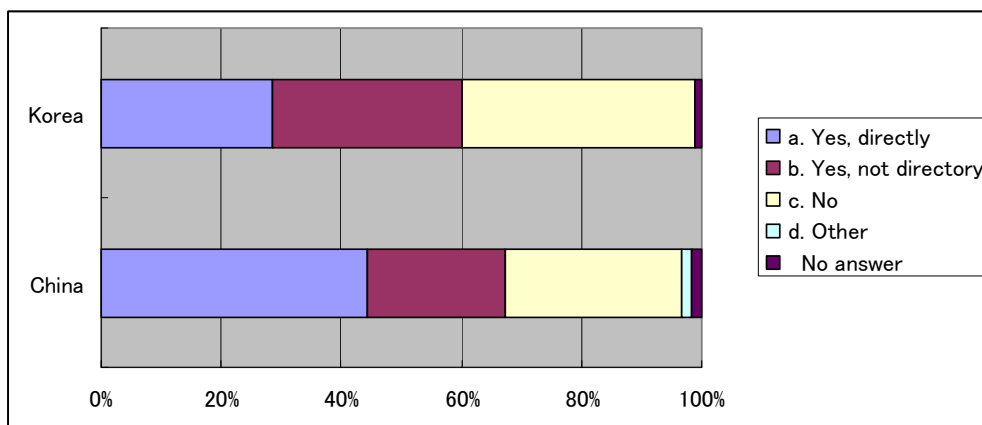
	Present Survey						Previous Survey	
	Valid response			%			%	
	China	Korea	Japan	China	Korea	Japan	Korea	Japan
a. Yes, and criteria	27	21		44.3	20.0		12.2	15.3
b. Yes, but no criteria	23	35		37.7	33.3		34.7	38.6
c. Has a plan	6	23		9.8	21.9		21.4	27.7
d. Has no plan	4	23		6.6	21.9		30.6	14.5
e. Other	1	1		1.6	1.0		1.0	2.8
No answer	0	2		0.0	1.9		0.0	1.1
Number of Samples	61	105		100.0	100.0		100.0	100.0

* Since Japan's present survey was conducted by asking to domestic contractor and to oversea contractor, Japan's data is not described here.



33. Does your company have a business relationship with MNCs (Multi National Corporations)?
 (Check one box.) [FY2002]
 a. Yes, directly
 b. Yes, not directly
 c. No
 d. Other ()

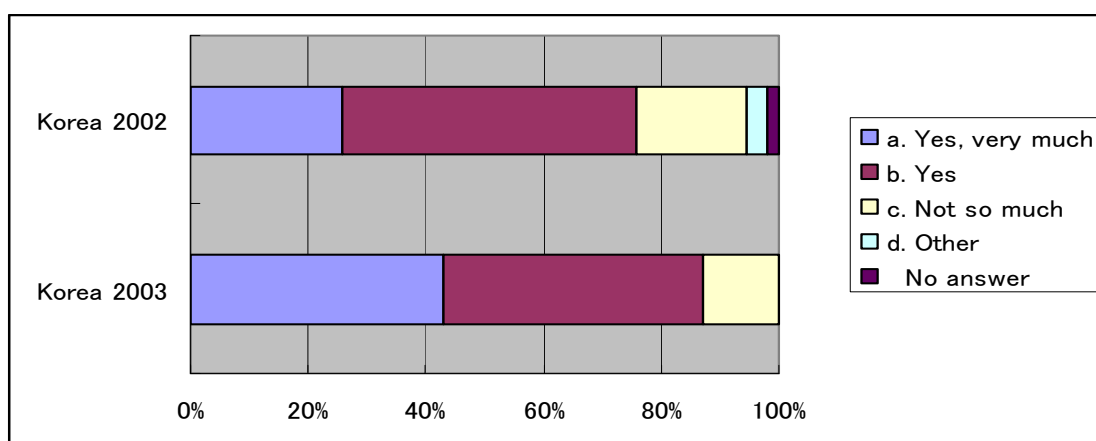
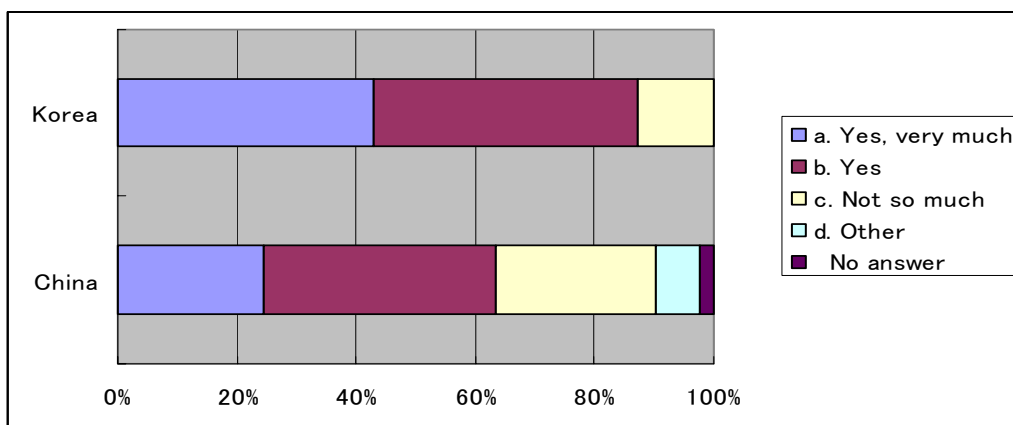
	Present Survey						Previous Survey	
	Valid response			%			%	
	China	Korea	Japan	China	Korea	Japan	Korea	Japan
a. Yes, directly	27	30		44.3	28.6		23.5	
b. Yes, not directory	14	33		23.0	31.4		31.6	
c. No	18	41		29.5	39.0		39.8	
d. Other	1	0		1.6	0.0		1.0	
No answer	1	1		1.6	1.0		4.1	
Number of Samples	61	105		100.0	100.0		100.0	



34. For those who answered "a" or "b" at the question#33, has your company received requests or guidance on environmental consideration from MNCs? (Check one box.) [FY2002]

a. Yes, very much
 b. Yes
 c. Not so much
 d. Other ()

	Present Survey						Previous Survey	
	Valid response			%			%	
	China	Korea	Japan	China	Korea	Japan	Korea	Japan
a. Yes, very much	10	27		24.4	42.9		25.9	
b. Yes	16	28		39.0	44.4		50.0	
c. Not so much	11	8		26.8	12.7		18.5	
d. Other	3	0		7.3	0.0		3.7	
No answer	1	0		2.4	0.0		1.9	
Number of Samples	41	63		100.0	100.0		100.0	

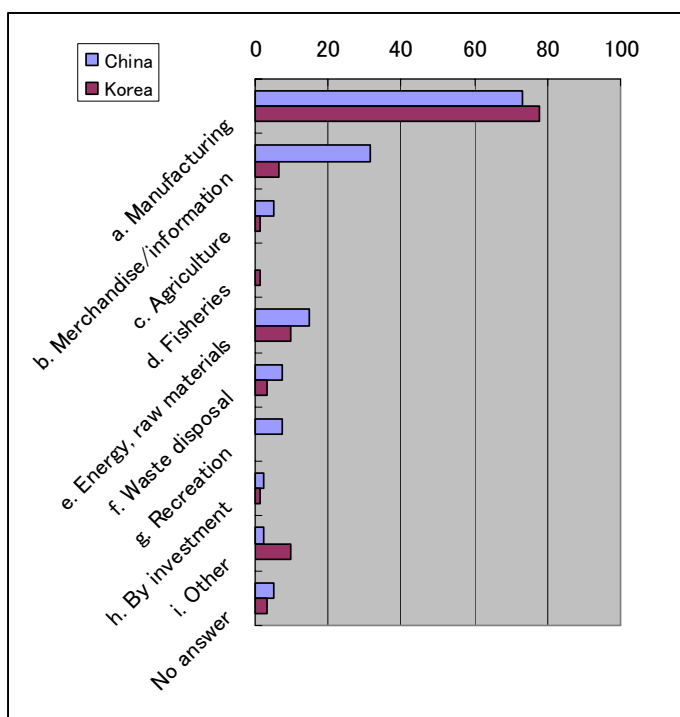


35. For those who answered "a" or "b" at the question #33, what business areas do the MNCs run?

(Check any relevant boxes.) [FY2002]

- a. Manufacturing
- b. Merchandise center, information center
- c. Agriculture
- d. Fisheries
- e. Energy, raw materials
- f. Waste disposal
- g. Recreation
- h. Does not conduct business directly, but by investment
- i. Other ()

	Present Survey						Previous Survey	
	Valid response			%			%	
	China	Korea	Japan	China	Korea	Japan	Korea	Japan
a. Manufacturing	30	49		73.2	77.8		83.3	
b. Merchandise/information	13	4		31.7	6.3		3.7	
c. Agriculture	2	1		4.9	1.6		1.9	
d. Fisheries	0	1		0.0	1.6		0.0	
e. Energy, raw materials	6	6		14.6	9.5		7.4	
f. Waste disposal	3	2		7.3	3.2		3.7	
g. Recreation	3	0		7.3	0.0		0.0	
h. By investment	1	1		2.4	1.6		1.9	
i. Other	1	6		2.4	9.5		7.4	
No answer	2	2		4.9	3.2		1.9	
Number of Samples	41	63						



36. For those who answered "a" or "b" at the question #33, has your company checked or evaluated the MNCs from the followings? (Check any relevant boxes.) [FY2003]

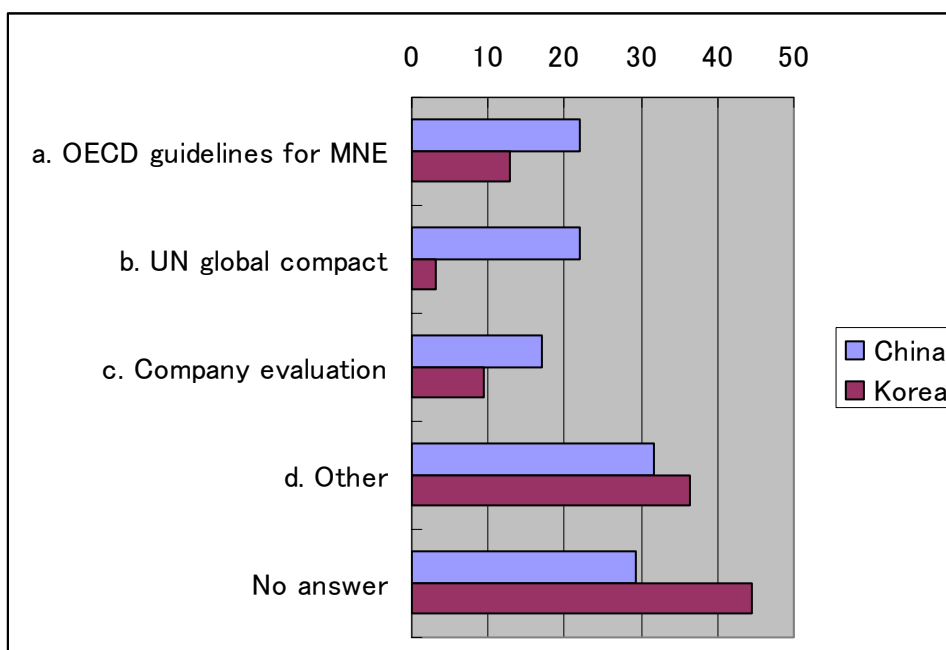
a. The OECD Guidelines for Multinational Enterprises

b. United Nations Global Compact

c. Company Evaluation results such as DJSI(Dow Jones Sustainability Index)

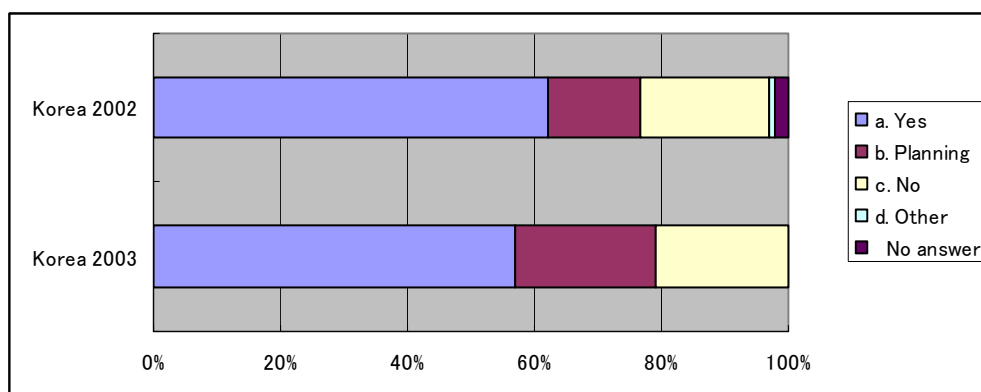
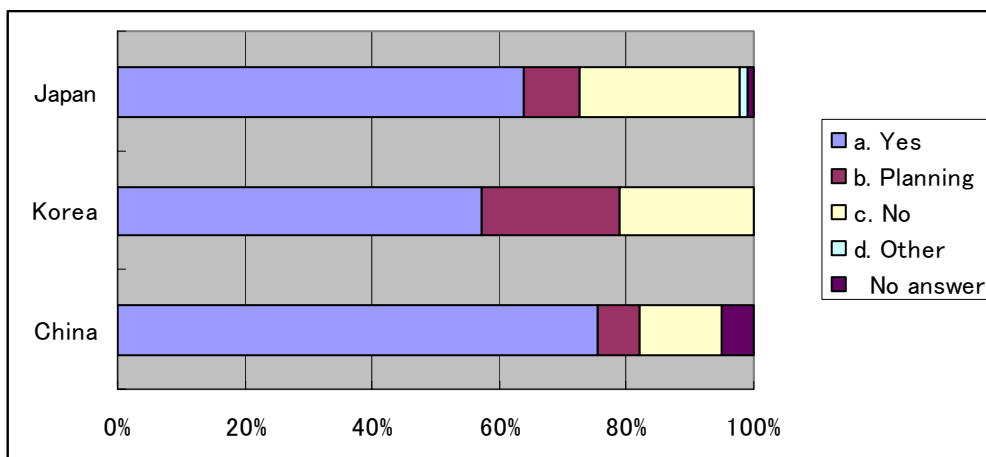
d. Other ()

	Present Survey						Previous Survey	
	Valid response			%			%	
	China	Korea	Japan	China	Korea	Japan	Korea	Japan
a. OECD guidelines for MNE	9	8		22.0	12.7			
b. UN global compact	9	2		22.0	3.2			
c. Company evaluation	7	6		17.1	9.5			
d. Other	13	23		31.7	36.5			
No answer	12	28		29.3	44.4			
Number of Samples	41	63						



37. As a community member, does your company have activity programs related to the environment?
 (Check one box.) [MOEJ3-1]
 a. Yes, conducting community activities related to the environment
 b. In planning stage
 c. No
 d. Other ()

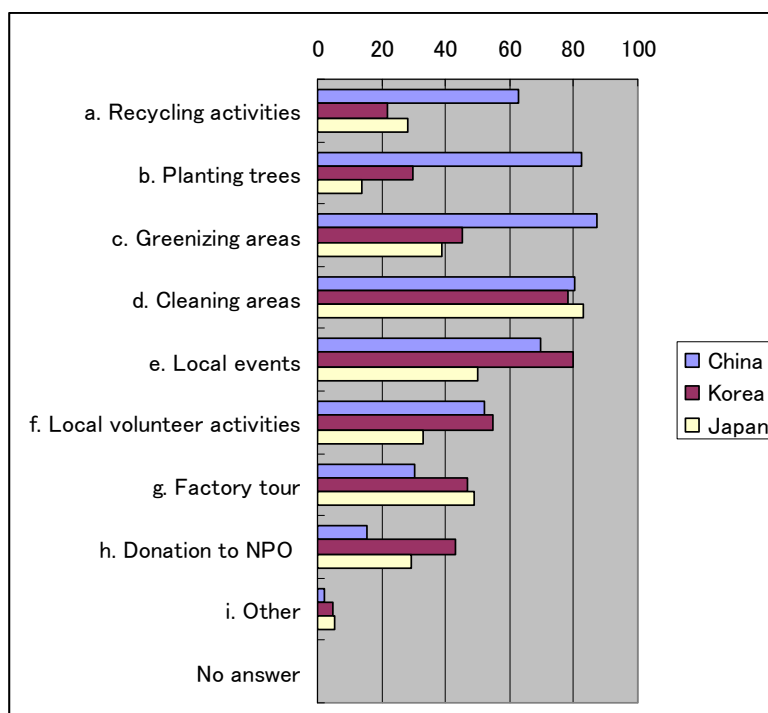
	Present Survey						Previous Survey	
	Valid response			%			%	
	China	Korea	Japan	China	Korea	Japan	Korea	Japan
a. Yes	46	60	845	75.4	57.1	63.9	62.2	62.0
b. Planning	4	23	114	6.6	21.9	8.6	14.3	7.8
c. No	8	22	335	13.1	21.0	25.3	20.4	28.6
d. Other	0	0	14	0.0	0.0	1.1	1.0	0.9
No answer	3	0	15	4.9	0.0	1.1	2.0	0.7
Number of Samples	61	105	1,323	100.0	100.0	100.0	100.0	100.0



38. For those who answered "a" at the question#37, what kinds of activities does your company do?
 (Check any relevant boxes.) [MOEJ3-2]

- a. Supports for recycling activities
- b. Planting trees
- c. Greenizing surrounding areas of factories or facilities
- d. Cleaning surrounding areas of factories or facilities
- e. Participation to local events relevant to the environment
- f. Encourages employees to participate in local volunteer activities
- g. Holds a tour of factory etc to people
- h. Donation to NPO etc that conduct environmental conservation activities
- i. Other ()

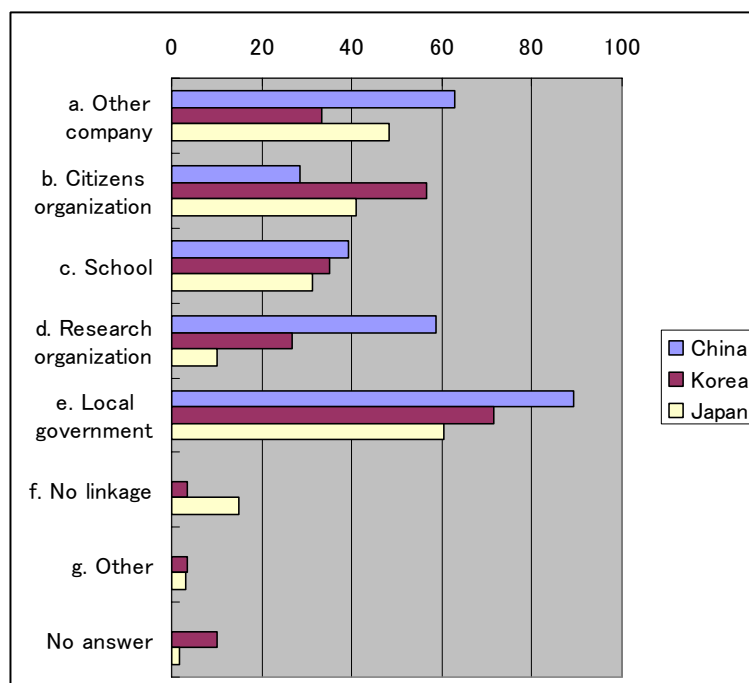
	Present Survey						Previous Survey	
	Valid response			%			%	
	China	Korea	Japan	China	Korea	Japan	Korea	Japan
a. Recycling activities	29	13	272	63.0	21.7	28.4	20.0	25.6
b. Planting trees	38	18	131	82.6	30.0	13.7	33.3	12.9
c. Greenizing areas	40	27	373	87.0	45.0	38.9	-	42.0
d. Cleaning areas	37	47	797	80.4	78.3	83.1	72.0	81.4
e. Local events	32	48	478	69.6	80.0	49.8	76.0	51.6
f. Local volunteer activities	24	33	318	52.2	55.0	33.2	37.3	32.8
g. Factory tour	14	28	468	30.4	46.7	48.8	38.7	51.3
h. Donation to NPO	7	26	280	15.2	43.3	29.2	21.3	26.6
i. Other	1	3	52	2.2	5.0	5.4	2.7	7.1
No answer	0	0	6	0.0	0.0	0.6	9.3	0.2
Number of Samples	46	60	959					



39. For those who answered "a" at the question#37, which entities does your company have linkages?
 (Check any relevant boxes.) [MOEJ3-3]

a. Other company (includes industry organization etc.)
 b. Citizens organization (NPO, NGO, community organization etc.)
 c. School (elementary, junior-high, high school etc.)
 d. Research organization (university, think-tank etc.)
 e. Local governments
 f. No linkage
 g. Other ()

	Present Survey						Previous Survey	
	Valid response			%			%	
	China	Korea	Japan	China	Korea	Japan	Korea	Japan
a. Other company	29	20	462	63.0	33.3	48.2		44.8
b. Citizens organization	13	34	391	28.3	56.7	40.8		40.7
c. School	18	21	299	39.1	35.0	31.2		31.2
d. Research organization	27	16	86	58.7	26.7	9.9		7.5
e. Local government	41	43	580	89.1	71.7	60.5		59.2
f. No linkage	0	2	145	0.0	3.3	15.1		15.2
g. Other	0	2	30	0.0	3.3	3.1		3.3
No answer	0	6	17	0.0	10.0	1.8		1.1
Number of Samples	46	60	959					



40. What kinds of supports does your company expect from governments?
 (Check any relevant boxes.) [MOEJ14]
- a. Financial support for constructing environmental management system
 - b. Information on the effects of environmental management system
 - c. Building partnership among company, public administration, NGO and citizen
 - d. Promotion of environmental communication among company, NGO and citizen
 - e. Award for good companies
 - f. Logo mark for companies that conduct environmental management
 - g. Information on the current and trends of regulations
 - h. Information on cleaner technology
 - i. Information on the current status and trends of other companies and industries
 - j. Information on successful environmental business
 - k. Reducing regulations such as the frequency of on-the-spot investigation
 - l. Green purchasing by governments
 - m. Promotion of environmental labels
 - n. Environmental education to heighten awareness
 - o. Human resources development who can explain environmental issues in an easy way
 - p. Other ()

	Present Survey						Previous Survey	
	Valid response			%			%	
	China	Korea	Japan	China	Korea	Japan	Korea	Japan
a. Financial support for EMS	44	40	320	72.1	38.1	24.2	31.6	21.1
b. Information on EMS	32	39	331	52.5	37.1	25.0	45.9	27.3
c. Building partnership	22	40	374	36.1	38.1	28.3	30.6	31.7
d. Communication promotion	17	34	239	27.9	32.4	18.1	30.6	16.4
e. Award	33	27	230	54.1	25.7	17.4	20.4	14.6
f. Logo mark	37	29	346	60.7	27.6	26.2	24.5	25.1
g. Information on regulations	47	51	935	77.0	48.6	70.7	42.9	70.6
h. Information on technology	42	39	-	68.9	37.1	-	46.9	10.6
i. Information on companies	28	38	597	45.9	36.2	45.1	42.9	46.1
j. Information on env. business	27	38	306	44.3	36.2	23.1	43.9	20.0
k. Relaxing regulations	14	35	272	23.0	33.3	20.6	39.8	17.9
l. Green purchase	23	17	389	37.7	16.2	29.4	14.3	29.1
m. Environmental labels	15	20	266	24.6	19.0	20.1	11.2	16.7
n. Environmental education	37	41	702	60.7	39.0	53.1	49.0	49.8
o. Human resources	18	46	400	29.5	43.8	30.2	41.8	25.8
p. Other	4	2	41	6.6	1.9	3.1	2.0	3.2
No answer	0	2	8	0.0	1.9	0.6	4.1	1.5
Number of Samples	61	105	1,323					

