

JICA

INTERNATIONAL COOPERATION AGENCY



JICA LIBRARY



1001446[2]



annual report
1981

国際協力事業団	
受入 月日 '84. 5. 24	R000
登録No. 07542	36
	GAP

Printed in Japan. 1982 ©

JAPAN INTERNATIONAL COOPERATION AGENCY

P.O. Box 216, Shinjuku Mitsui Building
2-1, Nishi-Shinjuku, Shinjuku-ku, Tokyo, Japan

Tel.: 03-346-5311

マイクロ
フォーム作成

FOREWORD

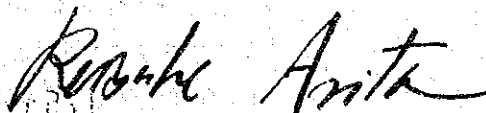
The present report covers the operations of the Japan International Cooperation Agency (JICA) in fiscal 1980 (April 1980–March 1981). The JICA extends Government-level cooperation (mainly technical) to developing countries for their economic and social development.

The activities of the JICA have been expanding noticeably in line with the policy of the Japanese Government to contribute to the solution of the North-South problem. The budget of the JICA has thus increased from ¥22,700 million in 1974 when it was established to ¥70,000 million in 1981.

In terms of the absolute amount of Official Development Assistance (ODA), Japan ranks fourth among the 17 OECD DAC member countries, but only 15th in terms of the percentage of technical cooperation in ODA. It is necessary, therefore, to further increase JICA's activities to meet the ever increasing requirements of developing countries.

I hope that this report will be read widely by people in many fields and help deepen their understanding of the JICA and its activities.

December, 1981



Keisuke Arita

President

Japan International Cooperation Agency

CONTENTS

Part I	The Japan International Cooperation Agency and its Functions	7
Part II	Performance of Japan International Cooperation Agency in Fiscal 1980	17
Chapter 1.	Government-Sponsored Technical Cooperation	19
	Section 1. Training Programme for Overseas Trainees	19
	Section 2. Expert Dispatch Programme	24
	Section 3. Equipment Supply Programme	29
	Section 4. Project-Type Technical Cooperation Programme	34
	Section 5. Development Survey Programme	46
Chapter 2.	Grant-Aid Cooperation Promotion Programme	58
Chapter 3.	Japan Overseas Cooperation Volunteers Programme	62
Chapter 4.	Development Cooperation Programme (Investment in and Financing of Development Projects)	67
Chapter 5.	Emigration Service	69
Chapter 6.	Recruiting and Training of Qualified Japanese Experts for Technical Cooperation	72
Appendix (Statistics)		75
	Performance in Fiscal 1980 by Region, Country, Type of Cooperation and Sector (As of March 31, 1981)	76

Part I

The Japan International Cooperation Agency and its Functions

The Japan International Cooperation Agency and its Functions

1. History and Functions

The Japan International Cooperation Agency (hereinafter referred to as "The Agency" or "JICA") was established on August 1, 1974 under the Japan International Cooperation Agency Law (Law No. 62, 1974) as an executing organ of Government-sponsored technical cooperation for developing countries and as an agent to administer emigration services. At the time of its establishment, the Agency took over the functions of the then existing Overseas Technical Cooperation Agency, established in 1962 for the purpose of providing overseas technical cooperation, and those of the then Japan Emigration Service instituted in 1963. At that time, the Agency also absorbed all the functions of the Japan Overseas Agricultural Development Foundation and assumed new responsibilities including (project) development cooperation, recruiting and training of qualified Japanese experts for technical cooperation.

The Agency performs its activities for international cooperation in accordance with the Japanese International Cooperation Agency Law under the supervision of the Ministry of Foreign Affairs, the overall authorities, as well as of the Ministry of Agriculture, Forestry and Fisheries and the Ministry of International Trade and Industry, which are responsible for specific matters under their jurisdiction. For the smooth and efficient discharge of its duty for international cooperation, the Agency is striving to obtain a wide range of cooperation from the relevant government agencies, local public bodies and private organizations in Japan by keeping close contact with them and to act in concert with the governments of developing countries and the related international organizations.

The functions of the Agency fall under the following categories:

- (1) Government-sponsored technical cooperation
- (2) Grant-aid cooperation promotion programme

- (3) Dispatch of Japan Overseas Cooperation Volunteers (JOCV)
- (4) Development Cooperation Programme (Investment in and financing of development projects)
- (5) Emigration services
- (6) Recruiting and training of qualified Japanese experts for technical cooperation

The fund required by the Agency for carrying out its technical cooperation activities is budgeted by the Japanese Government under its Official Development Assistance (ODA) Programme. The share of the Agency in the total expense for technical cooperation of the Government in fiscal 1980 was 70.9%.

2. Budget

The budget of the Agency consists of Grant Budget, Investment and Funds in Trust. The amount of the initial budget of the Agency for fiscal 1980 was ¥62,768 million, comprising ¥54,585 million for Grant Budget, ¥3,341 million for Investment and ¥4,842 million for Funds in Trust.

The actual expenditure by the Agency in relation to technical cooperation in fiscal 1980 amounted to ¥44,664 million, including the expense brought forward from 1979. Fig. 2 shows the expenditure by programme and Fig. 3 shows its distribution by area.

Fig. 1. Expenditure of Technical Cooperation Programme (Calendar Year 1980)

Unit: U.S. \$1,000

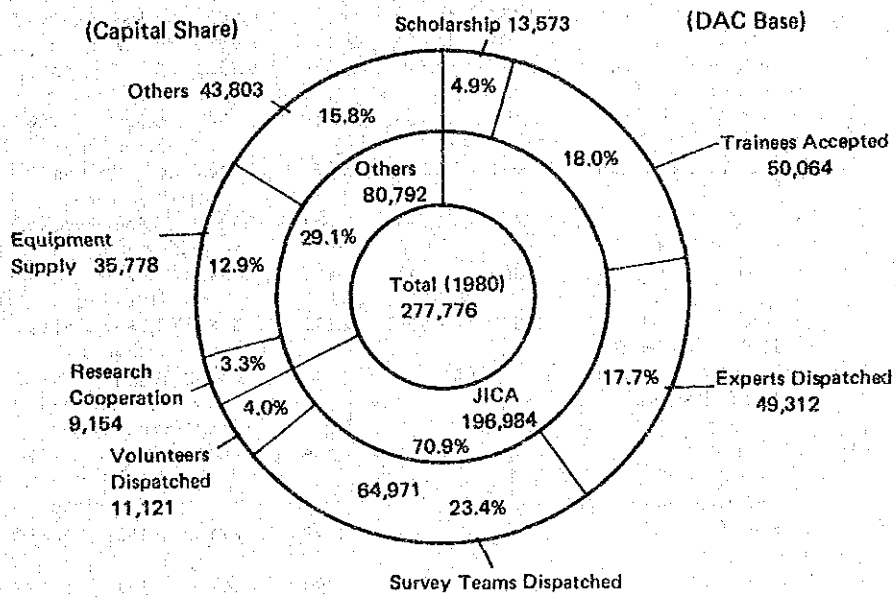


Table 1. Trend of JICA's Budget

(Unit: Million Yen)

Expenses	Year	1976	1977	1978	1979	1980	% compared with previous year
I. Grant		29,483	34,629	39,855	46,800	54,585	116.6
1. Working Expenses		21,104	25,263	29,719	36,059	43,302	120.1
(1) Expenses for Overseas Trainees Accepted		3,747	4,510	5,176	5,752	6,735	117.1
(2) Expenses for Experts Dispatched		3,500	4,165	4,654	5,588	6,709	120.1
(3) Expenses for Development Surveys		4,081	5,519	6,683	8,617	10,285	119.4
(4) Expenses for Technical Cooperation Centres		1,499	1,749	2,351	2,939	3,431	116.7
(5) Expenses for Equipment Supply		382	411	615	835	976	116.9
(6) Expenses for Health and Medical Cooperation		1,805	1,980	2,172	2,676	3,180	118.8
(7) Expenses for Population and Family Planning Cooperation		-	-	-	-	460	0
(8) Expenses for Agricultural and Forestry Development Cooperation		2,465	2,751	3,646	4,367	5,236	119.9
(9) Expenses for Experts' Welfare		51	64	78	112	250	223.2
(10) Expenses for Recruiting & Training Qualified Persons for Technical Cooperation		289	359	390	467	539	115.4
(11) Expenses for Development Cooperation		414	464	513	613	680	110.9
(12) Expenses for Industrial Development Cooperation		586	646	566	779	1,030	132.2
(13) Expenses for Promotion of Grant Aid Cooperation		-	-	9	63	70	111.1
(14) Expenses for Overseas Cooperation Volunteers		2,285	2,645	2,866	3,250	3,721	114.5
2. Working Expenses for Emigration Service		1,188	1,402	1,531	1,601	1,773	110.7
3. Administrative Expenses		7,190	7,963	8,606	9,140	9,510	104.0
II. Investment		8,170	6,447	2,856	3,211	3,341	104.0
1. Expenses for Facilities		370	697	1,506	1,761	1,841	104.5

		Year					% compared with previous year
Expenses		1976	1977	1978	1979	1980	
2.	Fund for Investment and Finance of Development	7,200	5,000	500	400	100	25.0
3.	Fund for Investment and Finance of Emigration	600	750	850	1,050	1,400	133.3
III.	Funds in Trust	2,737	3,206	3,623	4,362	4,842	111.0
1.	Funds in Trust for Surveys on Overseas Development	2,657	3,117	3,548	4,039	4,742	117.4
(1)	Expenses for Surveys on Overseas Development	1,434	1,709	2,072	2,479	3,017	121.9
(2)	Expenses for Basic Surveys on Resources Development Cooperation	1,223	1,408	1,476	1,560	1,725	110.6
2.	Expenses for the South-east Asian Fisheries Development Centre	80	89	75	323	100	31.0
Total		40,390	44,282	46,334	54,373	62,768	115.4

Table 2. Expenses of JICA by Type of Cooperation

Expense & Person Type of Cooperation	1975		1976		1977	
	Expense (¥Million)	Person	Expense (¥Million)	Person	Expense (¥Million)	Person
1. Trainees	3,036 (18.6%)	2,132	3,730 (17.9%)	2,272	4,556 (15.9%)	2,688
2. Experts, Survey Team Members	8,579 (52.6%)	1,781	11,717 (56.1%)	2,304	15,073 (52.7%)	3,137
(1) Experts	3,925 (24.1%)	577	5,031 (24.1%)	702	6,326 (22.1%)	949
(2) Survey Teams	4,654 (28.5%)	1,204	6,686 (32.0%)	1,602	8,747 (30.6%)	2,188
3. Volunteers	1,627 (10.0%)	216	1,872 (9.0%)	228	2,187 (7.7%)	248
4. Equipment Supply	2,850 (17.5%)	—	3,256 (15.6%)	—	6,418 (22.4%)	—
5. Others	214 (1.3%)	—	308 (1.4%)	—	383 (1.3%)	—
Total	16,306 (100%)		20,883 (100%)		28,617 (100%)	

1976		1979		1980		Total (1954-1980)	
Expense (¥Million)	Person	Expense (¥Million)	Person	Expense (¥Million)	Person	Expense (¥Million)	Person
4,980 (15.2%)	2,861	5,805 (14.8%)	3,124	6,891 (15.4%)	3,393	43,753 (17.2%)	38,457
19,102 (58.4%)	3,511	22,947 (58.6%)	3,756	25,790 (57.7%)	4,892	135,977 (53.6%)	29,897
8,372 (25.6%)	949	9,544 (24.4%)	994	11,131 (24.9%)	1,543	65,580 (25.9%)	10,620
10,730 (32.8%)	2,562	13,403 (34.2%)	2,762	14,659 (32.8%)	3,349	70,397 (27.8%)	19,277
2,286 (7.0%)	303	2,861 (7.3%)	348	3,350 (7.5%)	410	22,424 (8.8%)	3,520
5,931 (18.1%)	-	6,997 (17.9%)	-	7,877 (17.7%)	-	48,606 (19.2%)	-
432 (1.3%)	-	560 (1.4%)	-	756 (1.7%)	-	2,800 (1.1%)	-
32,731 (100.0%)		39,170 (100.0%)		44,664 (100.0%)		253,560 (100.0%)	

Fig. 2 Expenses by Programme of Technical Cooperation (1980)

Unit: Thousand Yen

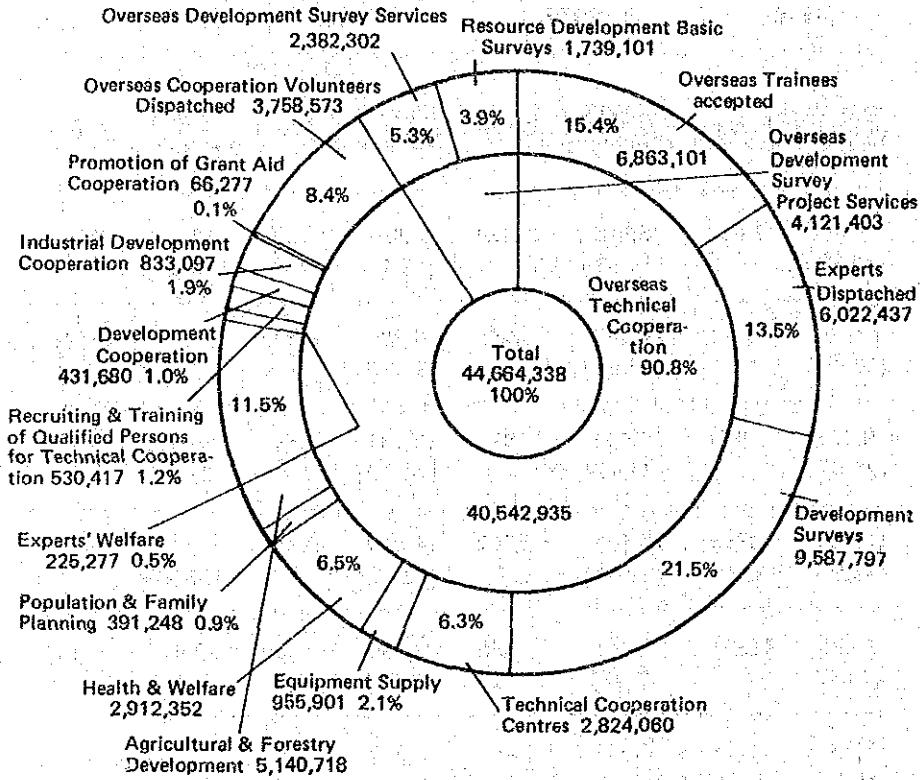
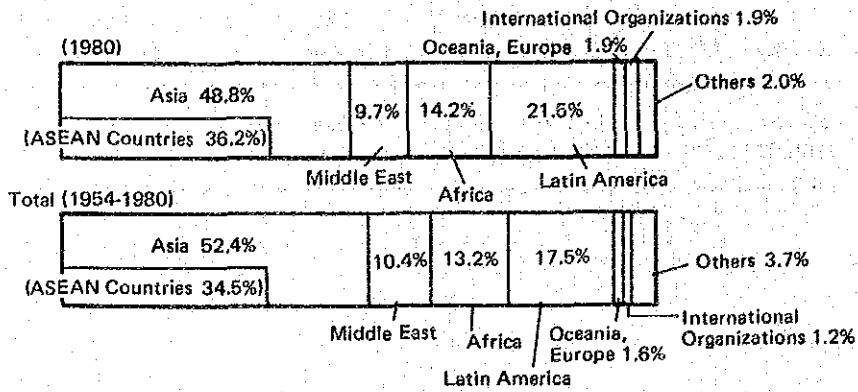


Fig. 3. Expenses for Technical Cooperation by Region



Part II

**Performance of
Japan International Cooperation Agency
in Fiscal 1980**

Chapter 1.

Government-Sponsored Technical Cooperation

Section 1. Training Programme

1. Outline

Japan has been providing courses for overseas trainees ever since it joined the Colombo Plan in 1954.

Two types of training are provided in Japan for them. One is Group Training, for which courses are organized according to the greatest common needs of developing countries. The number of courses of this type averages 181 each year. The other is Individual Training, for which courses are organized in accordance with specific requirements of a region or a country. The latter type includes the training of local counterparts of Japanese experts in Japan-assisted projects with a view to improving the efficiency of project implementation, as well as the training requested by United Nations and other international organizations. The trainees comprise mainly administrative officers, researchers and middle-level technicians from the public bodies and private sectors and are limited to those who have been recommended by the government concerned.

Curricula are prepared with due consideration given to the general needs of developing countries in the case of group training and to the specific needs in the case of individual training. Training is offered at eight centres operated by the Agency, and at other special training institutes with the cooperation of research and experiment stations of various government agencies, local bodies, universities, private enterprises, public corporations and others.

2. Performance in FY 1980

The number of trainees including project counterpart trainees accepted in fiscal 1980 was 3,371, and the cumulative total of them accepted since 1954 has reached 38,324. Of the total number, 1,932 (57.3%) were from Asia, 697 (20.7%) from Latin America, 432 (12.8%) from Middle East, 252 (7.5%) from Africa, 55 (1.6%) from Oceania and 3 (0.01%) from other regions. By country, 317 were from Indonesia, 284 from Thailand and 190 from the Philippines. Sector-wise, 546 (16.2%) were in agriculture, forestry and fisheries, 389 (11.5%) in health and welfare and 355 (10.5%) in telecommunications, broadcasting and postal services. The performance of the training programme for participants in fiscal 1980 by country and sector is shown in the appendix.

Fig. 1. Number of Trainees Accepted by Sector and Region 1980

Unit: Person

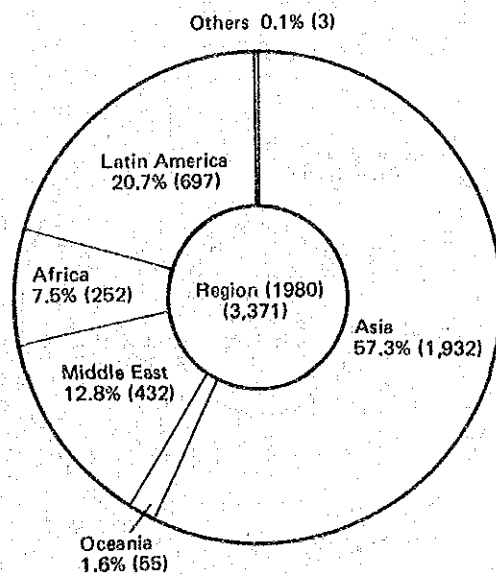
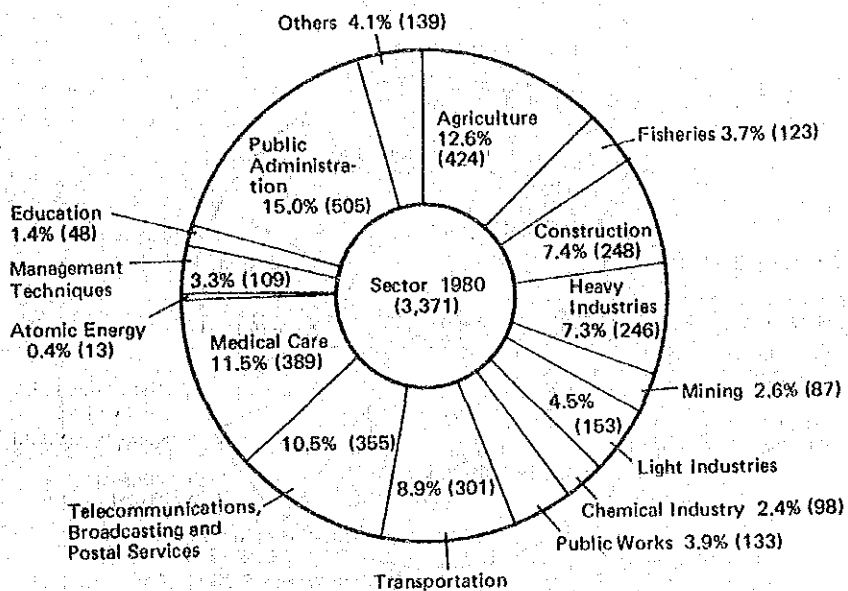


Fig. 2. Total Number of Trainees Accepted by Sector and Region (1954 – 1980)

Unit: Person.

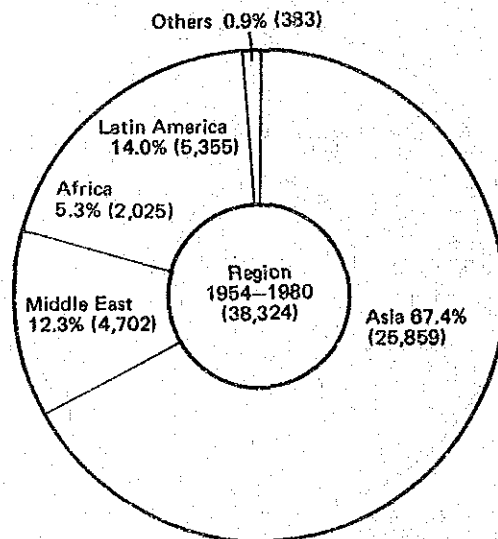
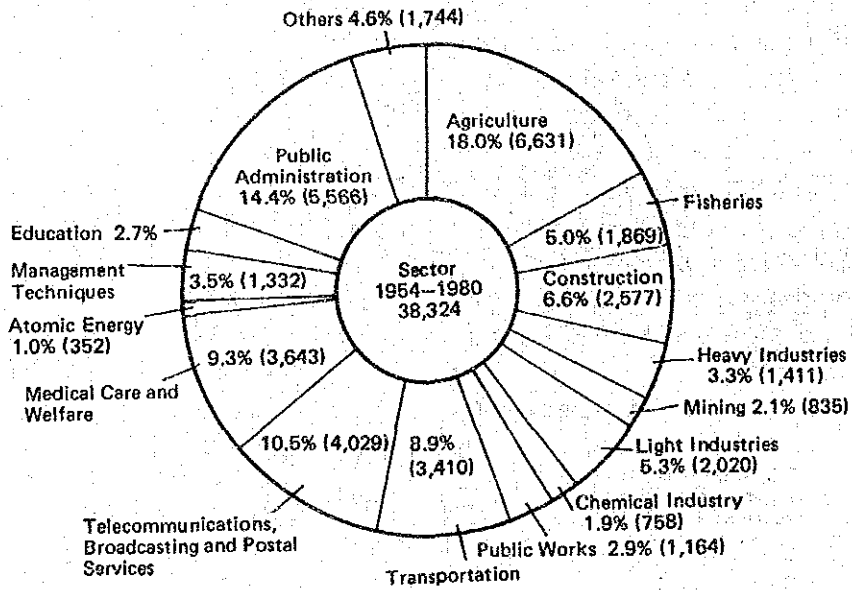
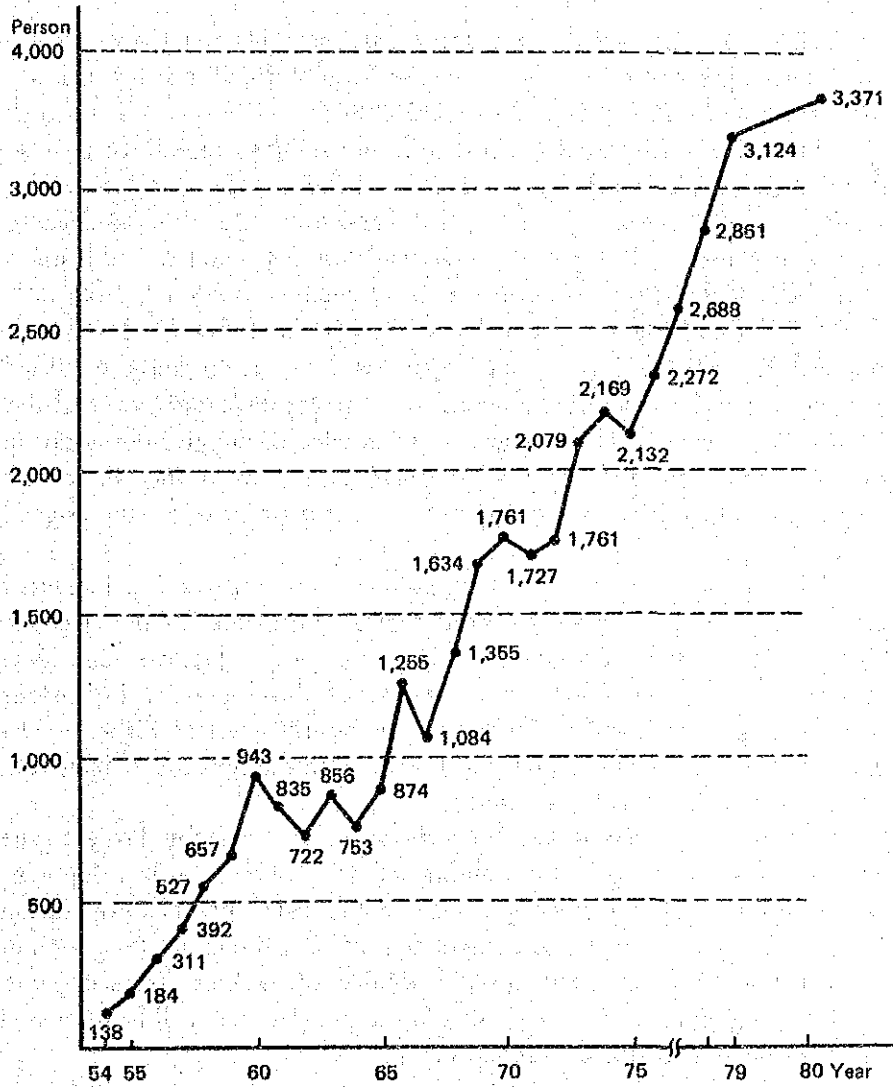


Fig. 3. Number of Trainees Accepted by Year (1954–1980)



Section 2. Expert Dispatch Programme

1. Outline

The expert dispatch programme has expanded year by year since 28 experts were sent to Southeast Asia in fiscal 1955, with its cumulative total reaching 6,210 by the end of fiscal 1980.

The experts dispatched from Japan are assigned mainly to government agencies, research and experiment stations, construction works, academic institutions, or training institutes of recipient countries to engage in planning, survey and research, providing guidance and instructions, and giving advice for development projects.

In selecting experts or engineers for assignment abroad, the Agency requests the related government organizations to recommend qualified persons or picks up qualified persons from among the candidates registered with the Agency. Those who have been selected are given orientation on local conditions and other related matters and are trained in foreign languages and specific technology before their departure for the assigned country.

The number of the recipient countries of experts has increased extending from Asia to Middle East, Africa, Latin America and Oceania. These experts work in joint research centres where Japanese and local researchers work together on problems of development, in various international organizations including the Southeast Asia Fisheries Development Centre whose secretariat is located in the suburbs of Bangkok, Thailand, and in various other places.

Beside this programme, experts are also sent for Project-type Technical Cooperation Programme described in Section 4, Development Survey Programme described in Section 5 and Development Cooperation Programme (Investment and Financing of Development Programme) described in Chapter 4, though the number of experts assigned under the last programme is rather small. These programmes will be discussed under respective sections and chapters.

2. Performance in 1980

In 1980, the number of experts who were sent abroad under expert dispatch programme reached 701, and the cumulative total of them dispatched since 1955 has reached 6,210. By region, 310 (44.2%) experts were sent to Asia, 142 (20.2%) to Latin America, 107 (15.3%) to Middle East, 47 (7.0%) to Africa, 14 (2.0%) to Oceania and 79 (11.3%) to international organizations. By country, 64 experts were assigned to Indonesia, 56 to Thailand and 45 to Saudi Arabia. Sector-wise, public administration accounted for 86 (12.3%) experts, education 81 (11.6%), agriculture 64 (9.1%) and fisheries 61 (8.7%). Performance of the expert dispatch programme in fiscal 1980 by region, country and sector is shown in the appendix.

Fig. 1. Number of Experts Dispatched by Sector and Region (FY 1980)

Unit: Person

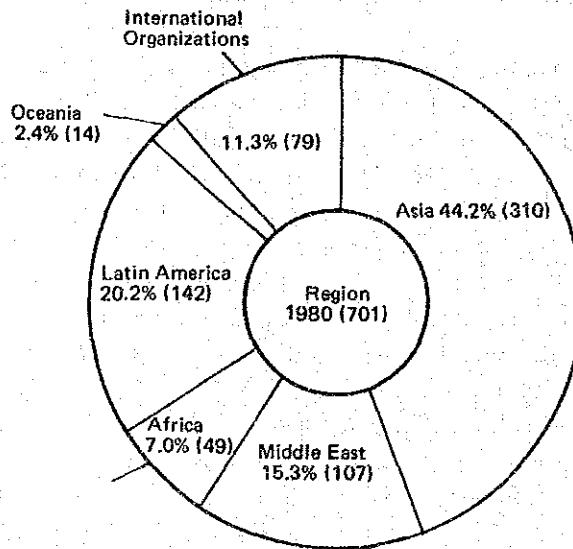
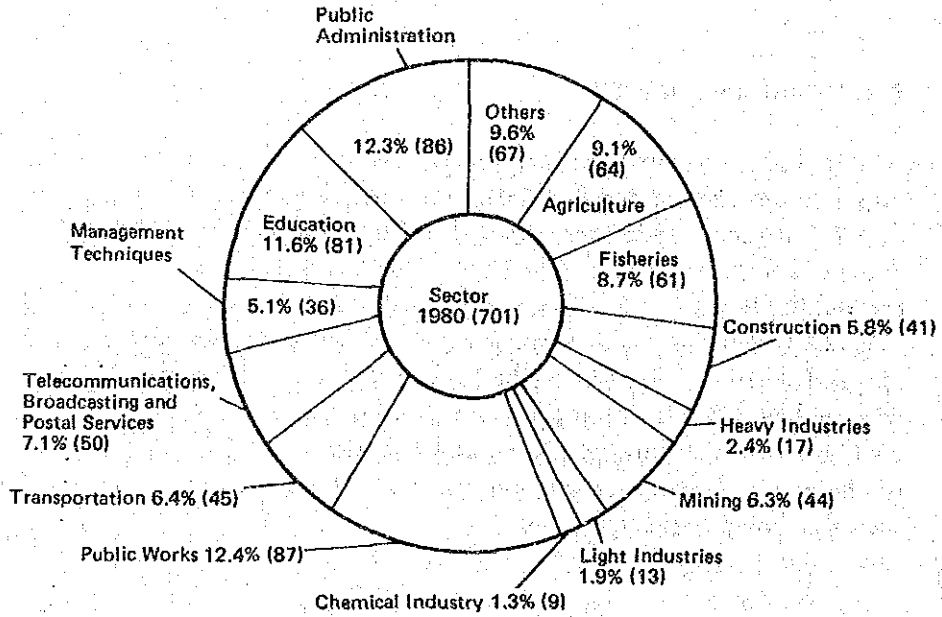


Fig. 2. Total Number of Experts Dispatched by Sector and Region (1955-1980)

Unit: Person

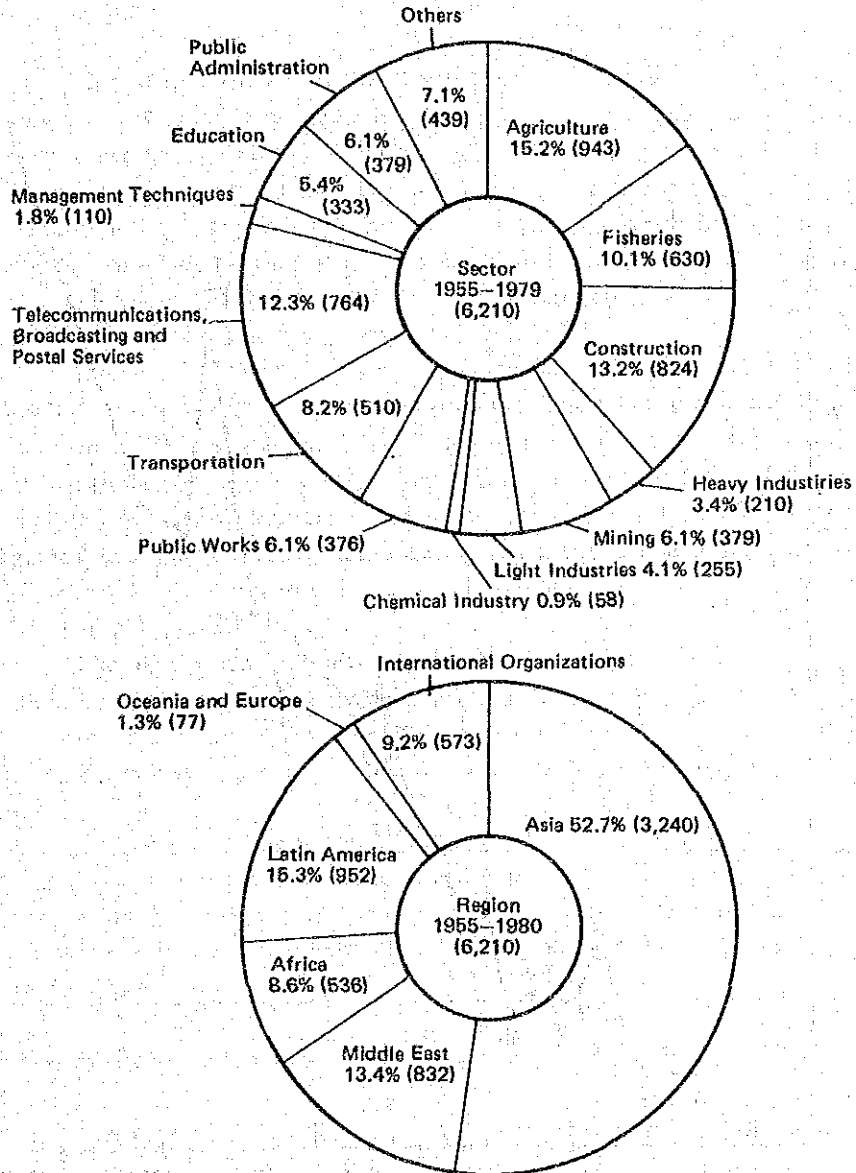
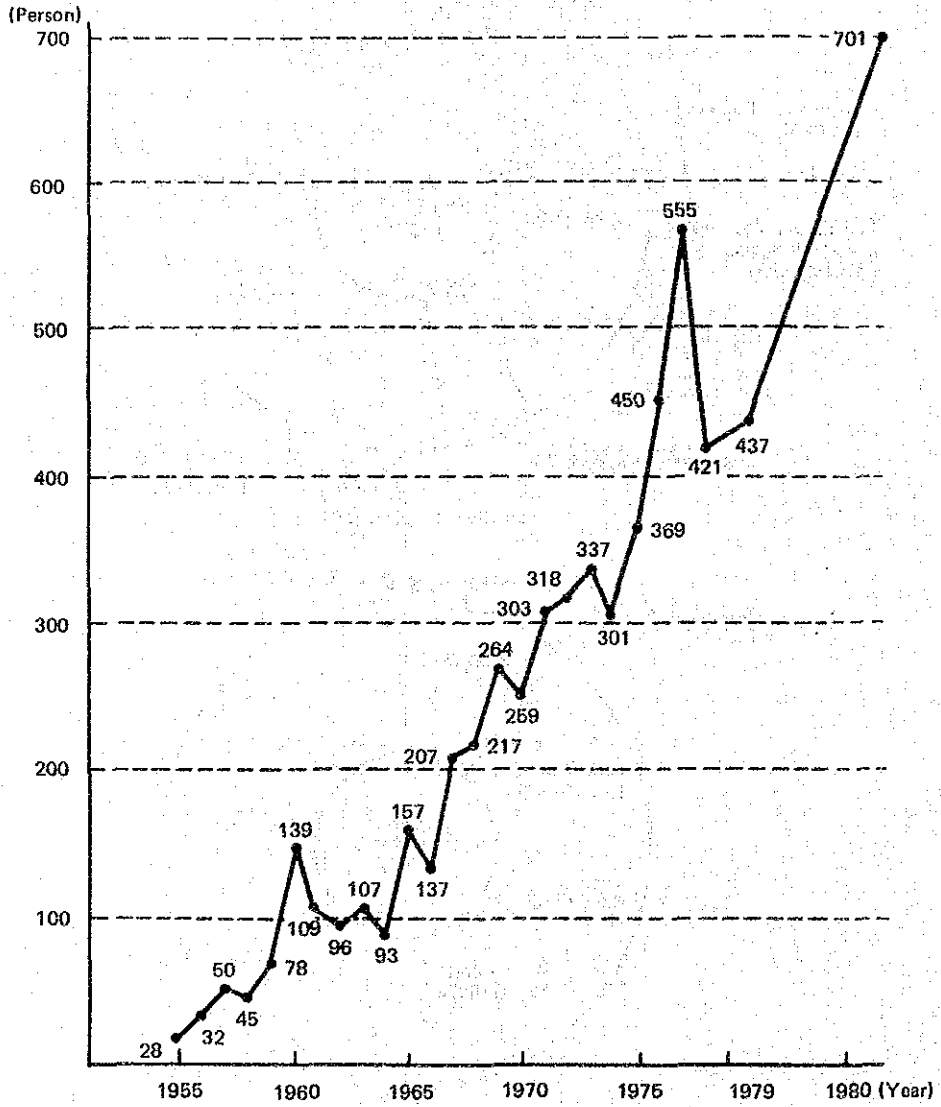


Fig. 3. Number of Experts Dispatched by Year



Section 3. Equipment Supply Programme

1. Outline

The equipment supply programme was initiated in 1964 as part of Japan's technical cooperation. The objective of the programme is to contribute to the economic and social progress of developing countries through supply of needed equipment at the request of the countries which, though acquired certain levels of technical skills and experiences, cannot carry out training of personnel and transfer and dissemination of technology effectively or cannot utilize the existing technology efficiently for lack of appropriate equipment.

Principal equipment for the purpose includes, (1) that which makes more effective the work of the assigned experts described in Section 2 (2) that needed by the counterparts of the country concerned to continue their services after Japanese experts left and (3) that needed by the repatriated trainees for using effectively their knowledge and skill gained in Japan. The programme is designed to increase the effectiveness of technical cooperation through, so to speak, an organic combination of man and equipment.

The equipment supplied under this programme has a wide range including agricultural instruments and machinery, machine tools, textile machines, fishing equipment, refrigerated vans for marine products, electron microscopes and telecommunications and broadcasting equipment.

The supply of equipment by the Agency is done not only under this programme but also under the Project-type Technical Cooperation Programme described in Section 4 and Japan Overseas Cooperation Volunteers Programme described in Chapter 3, which will be discussed in detail later.

2. Performance in 1980

In 1980, ¥927 million worth of equipment was supplied in a total

of 42 cases. By region, Asia accounted for 15 cases amounting to ¥455 million (49.0%), Middle East 9 cases amounting to ¥197 million (21.4%), Africa 5 cases amounting to ¥75 million (8.1%), Latin America 10 cases amounting to ¥78 million (8.4%), Oceania 1 case amounting to ¥43 million (4.6%) and other region 2 cases amounting to ¥79 million (8.5%).

The supply of equipment related to the follow-up of experts activities amounted to ¥620 million (66.9%) in 30 cases and that for after-care services related to repatriated trainees amounted to ¥307 million (33.1%) in 12 cases.

Performance of Equipment Supply Programme in FY1980

AREA COUNTRY	FACILITIES
ASIA	
Burma	Plastic Factory No.(1)
Indonesia	Departemen Kesehatan Republik Indonesia
Malaysia	Tun Ismail Atomic Research Centre
Maldives	TV, Maldives
Nepal	Ministry of Health
Pakistan	Leather Research Centre
Philippines	Electronics Equipment Library and Workshop National Manpower and Youth Council
Sri Lanka	Sri Lanka Ports Authority
Thailand	Communications Authority of Thailand, Kasetsart University
MIDDLE EAST	
Egypt	Suez Canal Research Centre Foreign Health Relations Ministry of Health
Morocco	Directeur des Affaires Sociales
Tunisia	Societe Tunisienne de Constructions et de Reparations Mecaniques et Navales (SOCOMENA)
Turkey	Mta Institute, Ministry of Energy and Mine Resources
North Yemen	Physical Planning Dept., Ministry of Municipality
AFRICA	
Kenya	National Horticultural Research Station
Senegal	Direction de L'Océanographie et des Deches Maritimes, Ministère du Développement Rural
Zaire	Oebk-Chemin de Fer et Pont a Matadi
LATIN AMERICA	
Bolivia	Universided Mayor de San Andrez
Brazil	Universidade Federal do Rio Grande do Sul
Chile	National Fisheries Service
Costa Rica	Direccion General de Educacion Fisica Y Deportes
Honduras	Instituto Nacional de Formacion Profesional (INFOP)
Mexico	Instituto Tecnologico Regional de CD.
Paraguay	Ministerio de Agricultura Y Ganaderia
Peru	Hospital Arzobispo Loayza - Ministerio de Salud
OCEANIA	
Fiji	Mineral Resources Department

Fig. 1. Equipment Supply by Region (1980)

Unit: Million Yen

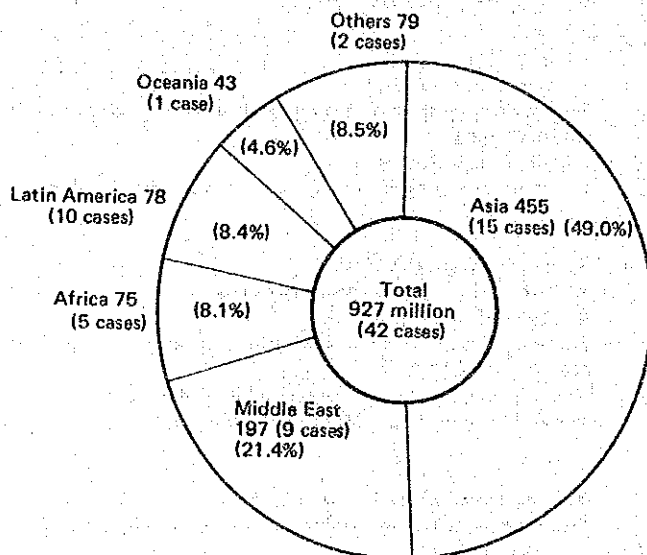
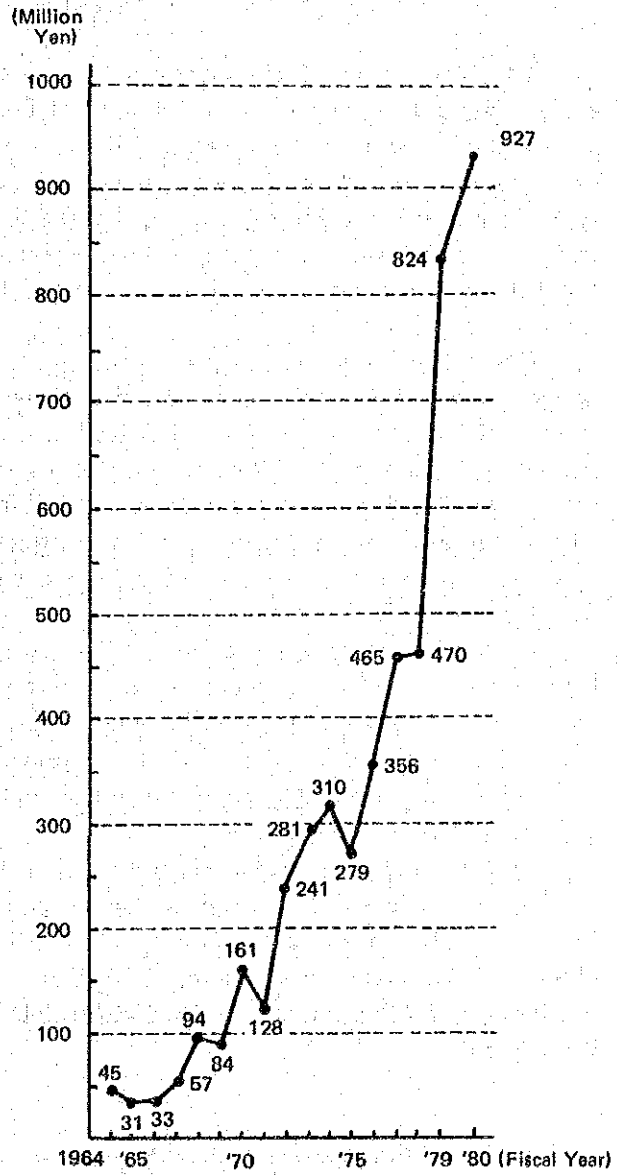


Fig. 2. Equipment Supply by Year



Section 4. Project-Type Technical Cooperation Programme

The form of technical cooperation includes "Acceptance of Trainees", "Dispatch of Experts" and "Supply of Equipment and Materials" as described in Sections 1 through 3. The Agency provides these 3 forms of technical cooperation singly or in combination. The term "Project-type Technical Cooperation" as used by the Agency means integrated technical cooperation from planning to implementation, which combines these three forms and is carried out systematically and comprehensively in the country concerned.

Under the programme of this type, the Agency provides technical cooperation through the dispatch of survey teams, assignment of experts, supply of equipment and materials and acceptance of counterparts related to planning of a project, selection of project site, preliminary survey, preparations, implementation, and follow-up evaluation after completion of the project in order to insure effective cooperation.

The counterparts are accepted under the training programme described in Section 1.

In implementing such a project the recipient country provides land, buildings and management of the project as a rule. There has been increasing cases in recent years in which construction of facilities for the project is also covered by a grant aid provided by Japan. Through such an organic combination of technical and financial cooperation, a greater effect can be expected.

The project-type technical cooperation being implemented by the Agency includes (1) Technical Cooperation Centre Programme, (2) Health and Medical Cooperation Programme, (3) Population and Family Planning Cooperation Programme, (4) Agricultural, Forestry and Fisheries Cooperation Programme and (5) Industrial Development Cooperation Programme.

(1) Technical Cooperation Centre Programme

1. Outline

Technical Cooperation Centres are designed to train and develop engineers and skilled workers whose services are essential for the socio-economic progress of developing countries and they can be broadly classified as follows:

- (1) Cooperation in the development of manpower resources aimed at upgrading engineers and skilled workers.
- (2) Cooperation in research and development and in experimental works involving tests for practical application.
- (3) Cooperation in development and improvement of production techniques.
- (4) Cooperation in vocational training.

However, some centres do not come under either of these categories but have multiple functions.

2. Performance in 1980

In 1980, this programme covered a total of 35 centres; centres (4) under preliminary survey, new centres (6) added after their implementation surveys, on-going centres (24) and centre (1) brought to termination of cooperation period. (See the Performance of Technical Cooperation Centre Project in Fiscal 1980).

Meanwhile, the Agency dispatched 25 survey teams and 275 experts to centres and accepted 92 counterparts from them. In addition, training materials worth 1,029 million yen were supplied as part of the programme.

The after-care service was carried out for the MARA Vocational Training Institute in Malaysia.

**Performance of Technical Cooperation Centre
Project in Fiscal 1980**

AREA COUNTRY	PROJECT	DURATION
ASIA		
Burma	The Bridge Engineering Training Centre Project	79. 7.12 ~ 83. 7.11
	The Establishment of the Metallurgical Research and Development Centre of Burma	80. 5.14 ~ 84. 5.13
Malaysia	The Proposed Marine Engineering Training Project at the Ungku Omar Polytechnic, Ipoh (The Marine Engineering Training Project at the Ungku Omar Polytechnic)	73.12. 3 ~ 82. 6. 2
	MARA Vocational Training Institute	76. 9.14 ~ 81. 9.13
	Technical Cooperation on the Establishment of the Metal Industry	78. 8.11 ~ 82. 8.10
Pakistan	The Central Telecommunication Research Laboratories Project	79. 3.22 ~ 84. 3.21
Philippines	The Transport Centre	77. 4.12 ~ 83. 4.11
	Technical Cooperation on the Establishment of the Ceramic Research and Development Centre	
Singapore	Metal Coating Technology Centre	80. 7.28 ~ 84. 7.27
	The Japan-Singapore Training Centre	78. 6.29 ~ 83. 6.28
	The Japan-Singapore Institute of Software Technology	80.12.18 ~ 85.12.17
Sri Lanka	Technical Cooperation Project for the Fisheries Training Institute	74. 4.16 ~ 81. 4.15
Thailand	The Institute for the Skill Development in the Northeast of Thailand Project	78.12.12 ~ 81.12.11
	The Expansion of King Mongkut's Institute of Technology	78.12.12 ~ 82.12.11
	Technical Cooperation on the Establishment of Furniture Industry Development Centre	79.11.25 ~ 82.11.24
MIDDLE EAST		
Egypt	The Arab Maritime Transport Academy	76.11. 6 ~ 82.11. 5
	The Establishment of the Maintenance Vocational Training Centre	77. 1.30 ~ 82. 1.29
	The Establishment of the Textile Research and Development Department of the National Research Centre	80.11. 7 ~ 85.11. 6
Iraq	Technical Cooperation on the Establishment of Iraq Electrical and Electronic Industries Training Centre	75. 1. 7 ~ 81. 7.31
Jordan	The Electronics Service Centre of the Royal Scientific Society Project	77.12.17 ~ 81.12.16

AREA COUNTRY	PROJECT	DURATION
Saudi Arabia	The Establishment of the Riyadh Electronics Technical Institute	72. 6.12 ~ up to operation
Tunisia	National Fisheries Centre	78. 7. 1 ~ 81. 6.30
AFRICA		
Kenya	National Youth Service Advanced Training Centre The Jomo Kenyatta College of Agriculture and Technology	75. 5.26 ~ 80. 5.25 80. 4.19 ~ 85. 4.18
LATIN AMERICA		
Brazil	The Senai Electrical and Electronic Vocational Training Centre Project	79. 3.29 ~ 84. 3.28
Panama	The Panama National Educational Television Broadcasting Project	81. 2.11 ~ 86. 2.10
Paraguay	The Vocational Training Centre	78. 2.24 ~ 82. 2.23
Peru	Instituto Nacional de Investigacion y Capacitacion de Telecomunicaciones Fish Processing Centre	79.11. 2 ~ 82.11. 1 76.10.13 ~ 80.10.12
Mexico	The Telecommunications Training Centre	67. 7. ~ 75. 7.
Preliminary Survey		
ASIA		
Indonesia	The Sumatra Chemical Industry and Development Centre	
Philippines	The Integrated Research and Training Centre in TUP The Telecommunications Training Institute	
AFRICA		
Nigeria	The Nigeria Vocational Training Institute	
Senegal	The Senegal Professional Training Centre	

(2) Health and Medical Cooperation Programme

1. Outline

This Programme is designed to offer medical cooperation to developing countries suffering from epidemic and endemic diseases through training of medical students, prevention and research of tropical diseases and expansion as well as improvement of medical facilities. The programme also emphasizes the cooperation for the welfare of the citizens in these countries, through the improvement of public hygiene and environment.

2. Performance in 1980

In 1980, cooperation was offered to a total of 34 projects; projects (4) under preliminary survey, new projects (7) added after their implementation surveys, on-going projects (21) and projects (2) brought to termination of cooperation period. (See the list of Performance of Health and Medical Cooperation Programme in Fiscal 1980).

Meanwhile, 21 survey teams were dispatched to the projects now under cooperation for the purpose of providing guidance and advice for project planning, including preliminary survey for the study of feasibility of cooperation in the future.

In addition; 232 experts were sent overseas and 66 counterparts were accepted. Equipment amounting to 1,067 million yen was supplied as part of this programme.

Performance of Health and Medical Cooperation
Programme in Fiscal 1980

AREA COUNTRY	PROJECT	DURATION
ASIA		
Bangladesh	Cardiovascular Disease Control	79. 2.22 ~ 84. 2.21
Burma	Communicable Disease Research and Control	80. 4.10 ~ 82. 4. 9
Indonesia	Promotion of Health in North Sumatra	78. 4. 1 ~ 83. 3.31
	Nursing Education	78.11. 3 ~ 83.11. 2
	Centre for Biomedical Research	75. 4. 1 ~ 82. 3.31

AREA COUNTRY	PROJECT	DURATION
Korea	Centre for Cardiovascular	79. 3. 2 ~ 83. 3. 1
Nepal	Development of Basic Health Services in Western Region	73.10.28 ~ 81. 2.27
	Tribhuran University Medical Education	80. 6.20 ~ 85. 6.19
Philippines	Schistosomiasis Research	74. 4. 1 ~ 81. 3.31
	The Institute for Tropical Medicine	80.10.17 ~ 85.10.16
Sri Lanka	Peradenia Teaching Hospital of Medical Department	80. 2.29 ~ 84. 2.28
Thailand	Promotion of Provincial Health Services	76. 4. 1 ~ 81. 3.31
	Nursing Education	80. 8. 1 ~ 85. 7.31
MIDDLE EAST		
Afghanistan	Tuberculosis Control	74. 4. 1 ~ 83. 3.31
Algeria	Centre Hospitalier et Universitaire, Université des Sciences de la Technologie d'Oran	78. 4. 1 ~ 83. 3.31
Egypt	Nursing Education and Research	78. 4. 1 ~ 83. 3.31
Iran	Industrial Health and Nuclear Medicine	78. 4. 1 ~ 82. 3.31
Tunisia	Drug Quality Control	78. 4. 1 ~ 82. 3.31
AFRICA		
Ghana	Medical School, Ghana University	68. 6. 8 ~ 85. 3.11
Kenya	Communicable Disease Research and Control	79. 3. 6 ~ 84. 3. 5
Zambia	Faculty of Medicine, University of Zambia	80. 2.21 ~ 85. 2.20
LATIN AMERICA		
Argentina	Health Care System	70. 4. 1 ~ 82. 3.31
Bolivia	Gastroenterology	77. 4. 1 ~ 83. 3.31
Brazil	Biologicals Production	80. 8.13 ~ 83. 8.12
Chile	Gastric Cancer Control	77. 4. 1 ~ 82. 3.31
Costa Rica	University of Costa Rica, Faculty of Medicine	73.11. 1 ~ 81. 3.31
Ecuador	Research of Microbial Control	77. 4. 1 ~ 82. 3.31
Guatemala	Onchocerciasis Research and its Control	75.10. 1 ~ 80. 9.30
Paraguay	Leprosy Control	80. 8.18 ~ 85. 8.17
Peru	Mental Health Services	80. 5.20 ~ 85. 5.19
Preliminary Survey		
ASIA		
Bangladesh	Prevention and Control of Blindness	
Burma	The Development for the Pharmaceutical Technology	
China	The China-Japan Friendship Hospital	
AFRICA		
Nigeria	Jos University Medical Research	

(3) Population and Family Planning Cooperation Programme

1. Outline

This programme, which had been a part of the Health and Medical Cooperation Programme conducted until 1979, was separated from the latter and established as a new technical cooperation programme since 1980 in order to contribute to the promotion of the family planning in developing countries.

2. Performance in 1980

In 1980, cooperation was offered to a total of 4 projects: 9 experts were sent overseas and equipment amounting to ¥351 million was supplied.

Performance of Population and Family Planning Cooperation Programme in Fiscal 1980

AREA COUNTRY	PROJECT	DURATION
ASIA		
Bangladesh	Family Planning	76. 3.29 ~ 86. 3.31
Indonesia	Family Planning	69.10.14 ~ 83. 3.17
Philippines	Family Planning	74. 4. 1 ~ 86. 3.31
Thailand	Family Planning	74. 4. 1 ~ 84. 3.31

(4) Agriculture, Forestry and Fisheries Development Cooperation Programme

1. Outline

This programme is intended to provide assistance in the agriculture, forestry and fisheries development of developing countries to contribute to increasing food production, improvement of farmers' incomes and living standards through the increase of productivity. The fields of cooperation cover rice cultivation, dry-field farming, livestock farming, forestry and fisheries. Forms of cooperation include: provision of technical guidance at agricultural extension centres and model extension farms of specific crops, provision of comprehensive guidance in the extension of advanced techniques in regional agricultural development centres to improve the infrastructure for increased production and promotion of farmers' organizations in each designated project area; assistance in agricultural research and experiment for enhancing research and development capacity of recipient countries.

2. Performance in 1980

In 1980, cooperation was extended to 46 agricultural, forestry and fisheries projects; a total of 396 experts were dispatched and agricultural vehicles, experiment and test equipment, chemicals and agricultural machines equivalent to 2,362 million yen were supplied.

Discussions were held and agreements were reached to offer cooperation on the following projects.

**Performance of Agriculture, Forestry and Fisheries
Development Cooperation Programme in Fiscal 1980**

AREA COUNTRY	PROJECT	DURATION
ASIA		
Bangladesh	Central Extension Resources Development Institute Project	73. 1.31 ~ 83.10.12
	Citrus and Vegetable Research Project	77.11. 3 ~ 83.11. 2
Burma	Pig and Poultry Development Project	78. 4.12 ~ 82. 4.11
	Forest Development Project in Arakan Range	77.12. 2 ~ 82. 3.31
Indonesia	The Strengthening of Legumes in relation to Cropping System Research Project	70.10.23 ~ 83.10.22
	Sericultural Development Project in South Sulawesi	78. 2.28 ~ 83. 2.27
	Project on South Sulawesi Regional Agricultural Development Planning	76.12.23 ~ 82. 6.22
	Agricultural Products Processing Pilot Plant Project	77.10.14 ~ 82.10.13
	Middle Level Agricultural Technician Training Project	79. 3.29 ~ 84. 3.28
	Animal Health Improvement Programme	77. 7. 7 ~ 82. 7. 6
	Mountain Logging Practice Project in Java	78. 4.20 ~ 81. 6.19
	Trial Plantation Project in Benakat, South Sumatra	79. 4.12 ~ 84. 4.11
	Mariculture Research and Development	78. 8.31 ~ 82. 3.31
	Remote Sensing Engineering Project	80. 4. 1 ~ 85. 3.31
	Plant Protection Project	80. 6.18 ~ 85. 6.17
	Lampung Agricultural Development Project	72.11.14 ~ 82.11.13
Korea	Japan-Korea Joint Research Programme on Agriculture	74. 6. 7 ~ 82. 3.31
Malaysia	Water Management Training Project	77. 9. 3 ~ 82. 9. 2
Nepal	Janakpur Zone Agricultural Development Project	74.11. 7 ~ 82.11. 6
Philippines	Cagayan Integrated Agricultural Development Project	76. 2.27 ~ 82. 2.26
	Afforestation Project of the Pantabangan Area	76. 6.18 ~ 81. 9.30
Thailand	Irrigated Agriculture Development Project	77. 4. 8 ~ 82. 4. 7
	Animal Health Improvement Programme	77. 3. 2 ~ 82. 3. 1
	Research and Development Project in Kasetsart University	80. 4.10 ~ 85. 4. 9
	The National Weed Science Research Institute Project	80. 4. 8 ~ 85. 4. 7
MIDDLE EAST		
Afghanistan	Rice Development Project	79. 3.14 ~ 84. 3.31
AFRICA		
Madagascar	Livestock Development Project in Northern Madagascar	77.11.11 ~ 83.11.10

AREA COUNTRY	PROJECT	DURATION
Tanzania	Kilimanjaro Agricultural Development Centre Project	78. 9.13 ~ 82. 9.12
LATIN AMERICA		
Brazil	Japan-Brazil Agricultural Research Project	77. 9.30 ~ 82. 9.29
	Agricultural Development Project in the Ribeira Basin	75. 3.10 ~ Up to Supplemental Agreement
	Forestry Research Project in Sao Paulo	79. 4. 1 ~ 81. 3.31
Chile	Aquaculture Project	79.10. 1 ~ 84.10. 1
Paraguay	Agriculture Development Project	79. 3.16 ~ 84. 3.15
	Forestry Development Project in the Southern Paraguay	79. 3.16 ~ 84. 3.15
Uruguay	Japan-Uruguay Vegetable Research Cooperation Project	78. 7.19 ~ 83. 7.18
OCEANIA		
Micronesia	Fisheries Development Project of the Trust Territory of the Pacific Islands	78. 4. 1 ~ 81. 3.31
Preliminary Survey		
Indonesia	The Construction Guidance Service Center Project	
Thailand	The Coastal Aquaculture Development Project	
	Agricultural Extension and Agricultural Mechanization in Kasetsart University	
Mexico	The Japanese Technical Cooperation for the Animal Health Centre Project	
Indonesia	The Technical Cooperation Project of the Riam-Kannan Pilot Farm	
Malaysia	The Technical Cooperation Project for Forest Products Research	
Thailand	Research and Training in Re-forestation Project	
	The Central Wholesale Market Improvement Project in Asuncion	

(5) Industrial Development Cooperation Programme

1. Outline

This Programme is aimed at the effective utilization of locally available natural and human resources in developing countries for the development, promotion and growth of mining and manufacturing industries to expand employment opportunities.

In order to promote local industries in developing countries, not only the transfer of manufacturing technology but also the transfer of production-related techniques such as production control, business management, distribution and marketing and development of human resources, as well as the enhancement of research and development capability are equally important.

The Industrial Development Cooperation Programme was initiated in 1978 through reorganization of the former Primary Commodities Development Cooperation Programme.

2. Performance in 1980

In 1980, cooperation was offered to a total of 17 projects including the new Technical Development of Mineral Processing and Metallurgy project (Mexico). For these projects, equipment and materials worth 379 million yen and a total of 102 experts were supplied.

Besides, preliminary survey teams were sent for Technical Cooperation on the Development of Cottage Industry (Nepal), Technical Cooperation for Appropriate Technology Research and Development Centre Project (Sri Lanka), Technical Cooperation on the Small and Medium Scale Industry (Brazil), and Technical Cooperation on Wholesale Marketing System Improvement Plan (Paraguay). Furthermore, Project Identification Survey teams were sent to Pakistan and Nepal. Another 7 teams were dispatched to various projects under cooperation for the purpose of providing guidance.

**Performance of Industrial Development Cooperation
Programme in Fiscal 1980**

AREA COUNTRY	PROJECT	DURATION
ASIA		
Indonesia	Technical Cooperation on the Development of Building Materials	78. 7.19 ~ 82. 7.18
Philippines	Technical Cooperation on the Development for Particle Board	77. 3.18 ~ 82. 1.31
Thailand	Technical Cooperation on the Development of Natural Rubber Processing	77. 4. 1 ~ 82. 3.31
	Technical Cooperation Project on Maize Development	76. 9.17 ~ 82. 9.16
AFRICA		
Tanzania	Technical Cooperation for Kilimanjaro Industrial Development Centre Project	78. 9.13 ~ 82. 9.12
LATIN AMERICA		
Bolivia	Technical Cooperation on the Recovery of Valuable Minerals from Complex Sulphide Ores	77. 2.21 ~ 81. 2.20
Brazil	Technical Cooperation on the Development of Mineral	78. 4. 1 ~ 81. 3.31
Chile	Technical Cooperation on the Development of Copper Smelting and Refining	76.11.29 ~ 81. 3.16
Mexico	Technical Cooperation on the Technological Development of Mineral Processing and Metallurgy	79.12. 5 ~ 83.12. 4
Peru	Technical Cooperation on Mine Safety	77.10.28 ~ 81.12.31
Preliminary Survey		
Sri Lanka	Technical Cooperation for Appropriate Technology Research and Development Centre	
Uruguay	Technical Cooperation for Pulp and Paper Quality Improvement	
Pakistan	Technical Cooperation for Pakistan Industrial Technical Assistance Centre	

Section 5. Development Survey Programme

1. Outline

This programme is intended to offer consultancy services through dispatch of teams composed of experts in field surveys and office work for development projects of public nature in developing countries.

Promotion of comprehensive regional development projects and other development projects in the public sector bears closely upon the socioeconomic progress of developing countries, and it has often been the case that these countries lack the sufficient number of experts with high level of technology and wide experience to make the necessary judgement in the planning of such projects and capable personnel who, under the instruction of experts, can coordinate and organize the project planning. There are also many cases where the system, under which the engineers responsible for projects planning work in unison, is inadequate. Accordingly, the Japanese government is frequently requested by these countries to cooperate in the planning of such comprehensive regional development projects or individual projects. To comply with such requests, the Agency conducts development surveys as part of its technical cooperation. By phase, the development surveys can be broadly classified as follows:

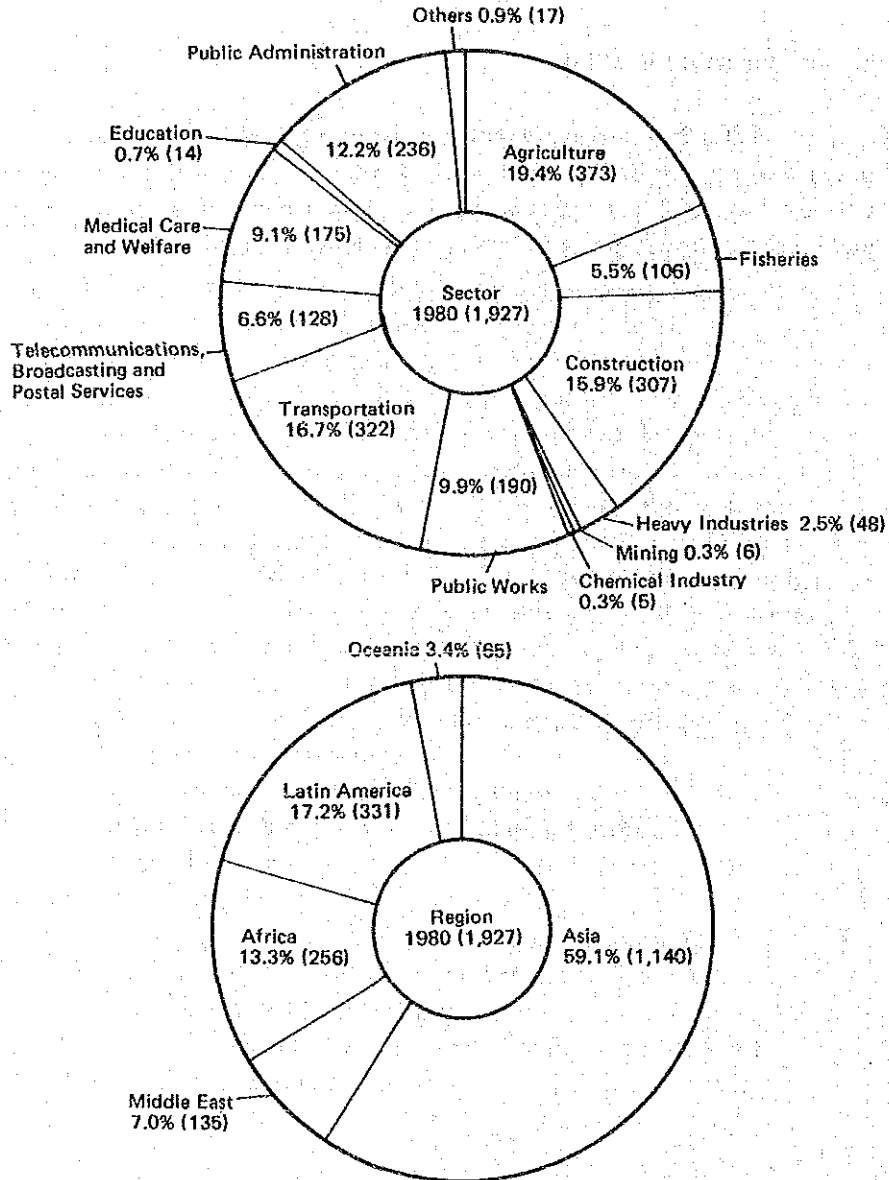
- (1) Surveys for formulating Master Plans
- (2) Surveys for drawing Maps and Marine Charts
- (3) Preliminary Surveys
- (4) Feasibility Studies
- (5) Surveys Directly Related to Financial Cooperation
- (6) Surveys Directly Related to Grant-Aid Programme
- (7) Surveys for Detailed Designs
- (8) Basic Surveys for Resources Development Cooperation
- (9) Surveys for Aftercare Services

2. Performance in 1980

In 1980, 260 survey teams, consisting of 1,927 experts, were dispatched for consultancy services. The total number of projects for the period from 1962 to 1980 is 1,515. The performance by region, country and sector is shown in the following chart and list of projects.

Number of Survey Team Members Dispatched by Sector and Region 1980

Unit: Person



AREA COUNTRY	NAME OF SURVEY	CLASSIFIED NO.
ASIA		
Bangladesh	Survey for the Establishment of the New National Broadcasting House	9
	Survey for the Kaptai Hydro-power Station Extension Project	4
	Survey for Development Plan of Small Scale Industries	4
Burma	Survey for the Construction of Diagnostic Centre in Rangoon	6
	Survey for the Okkan Dam Irrigation Project	4
China	Survey for Railway Modernization Project	1
	Survey for Peking Modern Hospital Construction Project	5
	Survey for Sanko Heigen Agricultural Development Project	3
	Survey for the Development of Wugianxi Hydro-electric Power Project	3
	Survey for Oh Min and Tei River Hydro-electric Power Development Project	3
	Survey for the Oh River Hydro-electric Power Development Project	3
	Survey for the Oh River Hydro-electric Power Development Project	4
	Survey for Project Identification in Mining, Industry and Power Development	3
Indonesia	Survey for the Jakarta Harbour Road Project	4
	Survey for the Development Project of the Port of Sorong	4
	Survey for Local Condom Production Project	4
	Survey for the North Sumatra Transmission Line Project	4
	Survey for Collaborative Mineral Resources Exploration	8
	Survey for Telecommunication Network in Developing Area Surrounding Medan and Ujang Pandang	4
	Survey for the Madiun River Urgent Improvement Project	3, 4, 5
	Survey for Sumatra Chemical Industry Development Training Centre Project	6
	Survey for the Low Cost Housing Project in CENGKARENG Jakarta (KTA-20)	1, 4
	Survey for Urban and Sub-urban Railway Transportation in JABOTABEK Area (Phase 1)	1, 4
	Survey for Medan Area Transportation Project	1
	Survey for Improvement of Telephone Network in the City of Jakarta	4
	Survey for the Reinforcement/Expansion Plan of PTIKI Makassar Ship Yard	4
	Survey for the Lower Jereberang River Flood Control Project	4
	Survey for the Establishment of Radio and Television Broadcasting Training Centre	1, 6
	Survey for Development of Maritime Communication System	1
	Survey for Mt. Merapi Sabo Project	1
	Survey for Shipbuilding Industry Promotion Project	1

AREA COUNTRY	NAME OF SURVEY	CLASSIFIED NO.
ASIA		
Indonesia	Survey for the Construction Project of Biomas	6
	Survey for Padang Airport Development Plan	3
	Survey for Billa Irrigation Project	3
	Survey for Crop Protection Development Project	3
	Survey for the Langkeme Irrigation Project	4
	Survey for the Upper Komering River Basin Agricultural Development Project	4
	Survey for the Food Crop Post-harvest Project	3
	Survey for the Watershed Management Plan in Upper Musi Watershed, South Sumatra	8
	Survey for Utilization of Lesser Known Species	3
	Study for Marunda Timber Estate and Terminal Development	3
	Survey for the Petroleum Exploration and Production Data Bank System Development Project	4
	Survey for the Ombiline Coal Mine Rehabilitation Project	9
	Survey for the Sawahlunto (Ombilin) Coal Development Project	4
	Survey for the Energy Supply-demand Data Bank System Project	4
	Survey for the Geothermal Development Project	3
	Survey for the Lempur Geothermal Development Project	4
	Survey for the Maung Hydro-electric Power Development Project	4
	Survey for the Establishment Programme of Medan Foundry Centre	4
	Survey for the Development Project of Asahan and Riam River Hydro-electric Power	3
	Survey for the Riam Kiwa Hydro-electric Power Development Project	4
	Survey for Asahan Hydro-electric Power Development Project	4
Laos	Survey for Repair Project in Nam Ngum Dan Power Station	6
Malaysia	Survey for Sewerage and Drainage System Project in Alor Setar and its Urban Environs	1, 4
	Survey for Urban Transport in Greater Metropolitan Area of George Town, Butterworth and Bukit Mertajan	4
	Survey for the Reclamation Project of Ex-mining Land Housing Development and Other Purposes	4
	Survey for VHF/FM Broadcast Coverage for Peninsular Malaysia	1, 4
	Survey for Kelantan Port Development Project	3, 4
	Survey for National Water Resources in Malaysia Comprehensive Development Project	1
	Survey for the Kinabatangan River Basin Project	4
	Survey for Transport of Johor Baru	1

AREA COUNTRY	NAME OF SURVEY	CLASSIFIED NO.
ASIA		
Malaysia	Survey for the Sewerage and Drainage of Klang and Port Klang and its Environs	1
	Survey for the Lebia Hydro-electric Development Project	4
	Survey for Tekai Hydro-electric Power Development Project	3, 4
	Survey for the ASBAN Urea Project	4
Nepal	Survey for the Establishment of Medium Wave Radio Broadcasting Network	6
	Survey for the Establishment of Electric Power Distribution Network in Kathmandu Region	6
	Survey for Construction Project of Tribhuvan University Teaching Hospital	6
	Survey for the Sapt Gandaki Hydro-electric Project	3
	Survey for Sapt Gandaki Hydro-power Project	4
Indonesia, Malaysia & Singapore	Survey for the Common Datum Chart Project in the Strait of Malacca and Singapore	2
Pakistan	Survey for the Introduction of Containerization	1, 3, 4
	Survey for Water Supply Project for Afghan Refugees Camp	6
	Survey for Road Construction Project	3
	Survey for the Improvement of Medical Equipment Project	6
	Survey for the Lakhura Coal Mining and Power Station Project	4
	Survey for Rehabilitation Plan of Special Steels of Pakistan	4
	Survey for Economic and Technical Cooperation	3
Philippines	Survey for Topographic Mapping Project in the Cagayan Valley	2
	Survey for the Flood Control and SABO Project for Mayon Volcano and Surrounding Area	1
	Survey for Pampanga Delta Development Project	3
	Survey for the Rural Telecommunication Project (Region III & IV)	4
	Survey for the Davao City Urban Transport Cum Land Use	1
	Survey for Metro Manila Outer Major Roads (C-5) Project	4
	Survey for Rural Water Supply Project	1
	Survey for the Development of Port Irene	1
	Survey for INNOTECH Research and Training Centre	6
	Survey for Petrological, Mineralogical and Geochronological Services Laboratory (Petrolab) Project	6
	Survey for the Lower Cotabato River Basin Development Project	1
	Survey for the Dalton Pass Tunnel Project	3
	Survey for Ilocos Norte Irrigation Project	4
	Survey for the Agricultural Development Project in Mabini	3
	Survey for the Paper and Pulp Industry	3
	Survey for the Transmission Line Network Expansion and Interconnection Project in the Visayas Islands	4

AREA COUNTRY	NAME OF SURVEY	CLASSIFIED NO.
ASIA		
Philippines	Survey for the EHV Transmission Line Project in Luzon Island	1
	Survey for the Collaborative Mineral Resources Exploration	8
	Survey for the Buguias Geothermal Development Project	4
	Survey for the Exploration, Development and Production of Water-dissolved Natural Gas	3
	Survey for the Leyte Power Transmission Project	3, 4
	Survey for Agbulu Hydro-electric Power Development Project	3
	Survey for the Alcoholgas Project in the Establishment on the Alcohol Distillery	3
Singapore	Survey for the Geothermal Development Project	3
	Survey for Environmental Effects of Coal Mining Power Stations and Integrated Steel Mill	4
Sri Lanka	Survey for Development of Port of Colombo	9
	Survey for Construction of Kotte General Hospital	6
	Survey for Mahaveli Agricultural Development Project (System C)	4
Thailand	Survey for Water Supply Project for Cambodian Refugees Camp	6
	Survey for Bangkok Telephone Network Project	7
	Survey for Bangkok Sewerage System Project	1
	Survey for Bangkok Solid Waste Disposal System Project	1
	Survey for Roads Development in the Northern Region	1, 4
	Survey for Small Scale Dam Construction Project	6
	Survey for Maharakhan College of Nursing Construction Project	6
	Survey for the East Coast Water Resources Development Project	3
	Survey for Chaopia Bridges Construction Project	4
	Survey for Bangsaen Marine Science Centre	6
	Survey for Agricultural Cooperative Promotion Project	4
	Survey for Irrigated Agricultural Development Project in Pasak River Basin	4
	Survey for Phetchaburi Kaeng Krachan Irrigation Agriculture Development Project	4
	Survey for Mae-Kuang Irrigated Agricultural Development Project	3, 4
	Survey for the Upper Quae Yai River Hydro-electric Development Project	4
	Survey for Samut Sakhon Industrial Estate Project	4
	Survey for Ethylene and Vinyl Chloride Monomer Plant Project	3, 4
	Survey for the Master Plan of the Mae Pai and Mae Chaem River Hydro-electric Power Development Project	1
	Survey for the Master Planning for MEA's Distribution System	1
	Survey for First Stage Evaluation of ASEAN Rock Salt-soda Ash Project	4

AREA COUNTRY	NAME OF SURVEY	CLASSIFIED NO
ASIA		
Thailand, Philippines, Malaysia, Indonesia & Singapore	Survey for Economic and Technical Cooperation	3
ASEAN Countries	Survey for Project Identification in Mining, Industry and Power Development	3
Nepal & Burma	Survey for Project Identification in Mining, Industry and Power Development	3
MIDDLE EAST		
Egypt	Survey for Technical Cooperation Programme to Suez Canal Authority (the third-year)	1
	Survey for the Second Stage Development Project of the Suez Canal	4
	Survey for the Expansion Plan of Telephone Plant Projects in Alexandria	4
	Survey for South Hosainia Valley Agricultural Development Project	4
	Survey for Economic and Technical Cooperation	3
	Survey for Agricultural Development Project	3
Jordan	Survey for the Ring Road of Irbid	4
	Survey for the IRBID Industrial Estate	4
Morocco	Survey for Collaborative Mineral Resources Exploration	8
North Yemen	Survey for Rural Water Supply Project	6
Oman	Survey for Agricultural Development Project	3
	Survey for Wadizizi Agricultural Development Project	4
	Survey for Collaborative Mineral Resources Exploration	8
Saudi Arabia	Survey for Reverse Osmosis (R/O) Brine Reject Treatment in the City of Riyad	4
	Survey for the Saline Water Conversion Scheme	3, 4
Sudan	Survey for the Improvement Project of Fish Supply Circulation System	6
	Survey for Establishment of a Ferrochrome Plant	4
Tunisia	Survey for Geological Features of the Kasseb Power Project	4
Turkey	Survey for the Zonguldak Off-shore Coal Mine Development Project	3, 4
	Survey for Collaborative Mineral Resources Exploration	8
U.A.E.	Survey for Water Resources Development Project	1
	Survey for Mariculture Centre Construction Plan	7
	Survey for the Technical Cooperation on the Solar Energy Utilization (Desalination) Project	3, 4

AREA COUNTRY	NAME OF SURVEY	CLASSIFIED NO.
MIDDLE EAST		
Egypt, U.A.E. & Kenya	Survey for Mining Industry and Power Development in the Follow-up Service of the Japanese Technical Cooperation Project	9
AFRICA		
Botswana	Survey for Collaborative Mineral Resources Exploration	8
Comoros	Survey for Rescue Boat Construction Project	6
Guinea	Survey for Topographic Mapping Project	2
	Survey for Shipbuilding Project	4
	Survey for Bisao Agricultural Development Project	6
Ivory Coast	Survey for the Regional Maritime Academy	6
Kenya	Survey for Water Supply Augmentation Project in Mombasa - Coastal Area - Hinterland	4
	Survey for Topographic Mapping Project in East Kenya	2
	Survey for the Rift Valley Geothermal Development	4
Liberia	Survey for Maternity Hospital Construction Project	6
	Survey for St. John River Hydro-electric Power Development Project	4
Mali	Survey for Subterranean Water Development Project	1
	Survey for Irrigated Agricultural Development Project in Bagnineda Region	4
Madagascar	Survey for Water Supply Project in Southern Area	6
	Survey for Promoting Fisheries	6
Mauritius	Survey for Link Road Construction Project	7
	Survey for Promoting Fisheries	6
Niger	Study for Water Supply Project	6
	Survey for Expansion Project of NIAMEY II Gas Turbine Power Station	6
Nigeria	Survey for the New Ocean Terminal Project, Lagos (Phase-II)	1
Senegal	Survey for Electronics Technology Training Centre Construction Project	6
	Study for Fleet Expansion Programme	4
Sierra Leone	Survey for the Road Construction Project between Makeni and Kamakwie	4
	Survey for Rhombe Swamp Agricultural Development Project	3
	Survey for Fisheries Development Project	6
Somalia	Survey for Fisheries Development Project	6
Swaziland	Survey for the Lubku Coal Field Development Project	3, 4
Tanzania	Survey for the Second Stage of Lower Moshi Agricultural Development Project	4
Togo	Study for Water Supply Project	6
Zambia	Survey for Construction Project of Paediatric Hospital	6
	Survey for Microwave Radio Relay Project	4

AREA COUNTRY	NAME OF SURVEY	CLASSIFIED NO.
AFRICA		
Zambia	Survey for Fisheries Resources Development Project	6
	Survey for the Rehabilitation of the Nitrogenous Fertilizer Plant	4
Zimbabwe	Survey for National Railway Electrification Project	1
	Survey for Economic and Technical Cooperation	3
Ghana & Nigeria	Study for Fisheries Promotion Plan	6
Morocco & Honduras	Survey for the Follow-up of Collaborative Mineral Resources Exploration	9
Africa & Middle Eastern Countries	Survey for Project Identification in Mining, Industry and Power Development	3
LATIN AMERICA		
Argentina	Survey for Collaborative Mineral Resources Exploration	8
	Survey for Regional Development Project (Famatua)	1
Bolivia	Survey for the Rehabilitation Planning of Bolivian National Railways	3, 4
	Survey for the Pilaya River Hydro-electric Power Development Project	4
	Survey for Collaborative Mineral Resources Exploration	8
Brazil	Survey for the Modernization of Mining Facilities	1
	Survey for Establishment of Fire Fighting Training Centre Research Institute of Fire Headquarters	1
	Survey for the Industrial Standard	3
	Survey for Collaborative Mineral Resources Exploration	8
	Survey for Economic and Technical Cooperation	3
Chile	Survey for Comprehensive Development in Karajas Area	1
	Survey for Collaborative Mineral Resources Exploration	8
	Survey for the Puchuldiza Geothermal Development Project	4
	Survey for Project Identification in Mining, Industry and Power Development	3
Colombia	Survey for the Bogota - Buenaventura Road Project	4
	Survey for the Simon Bolivar Grand (Great Memorial) Park Project	1
	Survey for Fisheries Resources	4
	Survey for the Power Development Project	3
	Survey for Collaborative Mineral Resources Exploration	8
Costa Rica	Survey for the Atrato River Hydro-electric Power Development Project	3
	Survey for the Second Stage Expansion Project	4
Dominican Rep.	Survey for the Baja Talamanca Coal Development Project	3
	Survey for the Modernization of Electric Distribution System Project	4

AREA COUNTRY	NAME OF SURVEY	CLASSIFIED NO.
LATIN AMERICA		
Dominican Rep.	Survey for Agripoli (Europoso) Agricultural Development Project	4
Ecuador	Survey for the Agricultural Development Programme in Catarama River Basin	3, 4
	Survey for Fisheries Development Project	6
Guatemala	Survey for Collaborative Mineral Resources Exploration	8
Guyana		
Honduras	Survey for Forest Inventory in LA MOSQUITIA of Honduras	2
	Survey for Coastal Fisheries Resources	3
Mexico	Survey for the Sub-urban Railway Planning	1
	Survey for Technical Cooperation Programme to Construction Project of Sea-front Industrial Area	1
	Survey for Collaborative Mineral Resources Exploration	8
	Survey for the Development of Laguna Cotton Textile Industry	3, 4
	Survey for the Pyrite Development Project at the State of Guersero	3, 7
	Survey for Economic and Technical Cooperation	3
Panama	Survey for Topographic Mapping Project in the Carribbean Coastal Area	2
	Survey for Development of Urban Transportation in the Metropolitan Area	1
	Survey for Experimental Fishing Programme in the Atlantic	3
Paraguay	Survey for National Improvement Plan for Telecommunications & Broadcasting	3
	Survey for the Central Laboratory Construction Project	6
	Survey for Northwest Lake Ypoa Agricultural Development Project	4
	Survey for Forest Inventory in Northeastern Region of Paraguay	1, 3
	Survey for the Textile Industry Development Project	1
Peru	Survey for Water Supply Project of Ventanilla	6
	Survey for Marcona Sintering Project	4
	Survey for Collaborative Mineral Resources Exploration	8
Uruguay	Survey for the Pulp and Paper Industries Development Programme	1
Venezuela	Survey for the Orinoco Heavy Oil Upgrading Project	4
OCEANIA		
Fiji	Survey for Water Supply Project	6
	Survey for Forestry Development	1
Kiribati	Survey for Betio Fish Port Complex Project	6
Solomon	Survey for the Lake Te Nggano Bauxite Resources Development Project	3
Tonga & Tuvalu	Survey for Training Vessel	6

AREA COUNTRY	NAME OF SURVEY	CLASSIFIED NO.
OCEANIA		
Tonga	Survey for the Elementary School	6
Western Samoa	Survey for Educational Development Project	6
Micronesia	Survey for Economic and Technical Cooperation	3

Note: The surveys are classified as follows and indicated by the numbers designated to respective items.

1. Surveys for the purpose of preparing master plan, etc.
2. Surveys for the purpose of drawing maps and marine charts
3. Preliminary surveys
4. Feasibility studies of projects
5. Surveys directly related to financial cooperation
6. Surveys directly related to grant-aid cooperation
7. Surveys for detailed designs
8. Basic survey for resources development cooperation
9. Surveys for aftercare services

Chapter 2.

Grant-Aid Cooperation Promotion

Programme

1. Outline

The programme is aimed at facilitating Japan's grant-aid cooperation to developing countries in accordance with international agreements.

The grant-aid cooperation is one form of extending financial assistance without repaying obligation. This category includes general grant aid, fisheries grant aid, food assistance, assistance for increased food production, etc. Of these, the Agency only deals with general grant aid and fisheries grant aid, which are closely related to technical cooperation.

The general grant aid is to offer funds needed to improve or expand the related facilities such as technical cooperation centres, hospitals, schools, research institutes and others, while the fisheries assistance is intended to help improve or expand fisheries training facilities including training boats.

The facilities closely related to technical cooperation include vocational training centres and others which are needed for the realization of technical cooperation, facilities to be improved according to the basic design made by Japanese survey teams and facilities used for technology transfer from Japan through dispatch of Japanese experts overseas and acceptance of overseas trainees.

Major activities under the Agency's cooperation promotion programme are: (1) when contracts are concluded between a developing country and Japanese private enterprises, JICA offers liaison, consultation and good offices in this regard, study of specifications of facilities and equipment to be offered from Japan and examination of the contents of contracts; (2) liaison, consultation and arrangements with local or Japanese banks on banking agreements, examination of the contents

of contracts, and studies and surveys (on-the-spot surveys and investigation of the progress of activities) so as to facilitate the grant-aid cooperation.

2. Performance in 1980

The Agency provided grant-aid cooperation for 98 overseas projects, as listed below;

Performance of Capital Grant Aid in Fiscal 1980

AREA COUNTRY	PROJECT
ASIA	
Bangladesh	Establishment of the Central Workshop for the Repair and Maintenance of Vehicles of Transport Expansion of the Capacity for Food Grain Storage The Project for the Improvement of the Equipment for Agricultural Development
Burma	Development Centre for Pharmaceutical Technology The Project for the Construction of Terminal Irrigation Facilities The Bridge Construction Project The Project for the Repair of Telephone Network System in Rangoon and Maymyo
China	Equipment Improvement Project for the Forestry Technique Development Detail Design for the Construction of China-Japan Friendship Hospital
Indonesia	The Construction Guidance Service Centre The Establishment of Middle Level Agricultural Technician Training Centres Trial Plantation Training Centre
Laos	The Project for the Repair and Maintenance of Hydro-electric Power Station in Nam Ngum
Maldives	The Establishment of the Schools for the Primary Education
Nepal	The Improvement and Development of the Power Transmission and Distribution System in the Kathmandu Valley
Pakistan	The Equipment Improvement Project for Repair and Maintenance Stations of Vehicles Programme for Urban Malaria Eradication The Medical Equipment Improvement Project for Hospitals in Sind Province
Philippines	The Establishment of the Integrated Research and Training Centre in the Technological University of the Philippines The Extension of the Project for the Construction of Terminal Irrigation Facilities
Sri Lanka	The Establishment of a Television Broadcasting Station

AREA COUNTRY	PROJECT
ASIA	
Sri Lanka	The Establishment of a Stationery Factory
	The Project for the Construction of Sri Jayewardenepura General Hospital
Thailand	The Establishment of Maharaj Hospital
	The Establishment of the Youth Welfare Centre
	The Establishment of a Rice Seed Storage Laboratory Centre
	Construction of the Huay-Ta-Kien-Dam for Kampuchean Displaced Persons and Thai Affected People
MIDDLE EAST	
Egypt	Establishment for Cairo University, Paediatric Hospital
AFRICA	
Burundi	The Project for the Improvement of Roads
	The Provision of Medical Equipment and Materials
Central Africa	The Project for the Reinforcement of Medical Functions
Comoros	Project for the Life Saving of Fisherman in Disaster at Sea
Congo	Project for the Maintenance of Roads
Ethiopia	The Transportation Reinforcement Project for the National Literacy Campaign
Gambia	Fisheries Development Project
Ghana	Fisheries Development Project
Guinea	Project for the Reinforcement of Transport Capacity Development of Rice Crop on the Geba Basin
Ivory Coast	Establishment of Regional Academy of Marine Science and Technology
Kenya	The Establishment of the Jomo Kenyatta College of Agriculture and Technology
	Project for Improvement of Medical Equipment
Madagascar	Project for the Exploitation of Water in the South Region
	Project for the Development of Petty Fisheries
Mali	The Reinforcement of Transport Capacity
Mauritius	Establishment of Fisheries Research Centre
Niger	The Reinforcement of Transport Capacity
Nigeria	Fisheries Development Project
Rwanda	The Construction of Earth Station for Satellite Telecommunication
Senegal	The Reinforcement of Transport Capacity
Sierra Leone	Fisheries Development Project
Somalia	Improvement of Marine Products Marketing
Sudan	The Project for the Prevention and Control of Communicable Diseases in Blue Nile Basin
Tanzania	The Selander Bridge Expansion Project
	Project for the Improvement of Medical Equipment
Togo	Water Supply to Rural Area
Zaire	The Reinforcement of Transport Capacity for Agriculture

AREA COUNTRY	PROJECT
AFRICA	
Zambia	Project for the Reinforcement of the Transportation for Agriculture
Zimbabwe	Project for the Reconstruction of Roads Network in Rural Area
LATIN AMERICA	
Bolivia	la Escuela Tecnica Nacional de Salud Publica
Ecuador	Fisheries Development Project
Guyana	Fisheries Development Project
Panama	Proyect Arreglo de la Instrument Mehico de Centro de Cancer "Hospital Publico Santo Tomas"
Paraguay	Instalacion del Centro de Dessarrollo Integral Agricola y Forestal en la Zona Sule del Paraguay
Peru	Centro de Salud Mental Comunitario "Sao Juan Bosco" el Proyecto para el Abstecimiento de Aqua Potable Para la Ciudad de Ventanilla
OCEANIA	
Fiji	Grand Water Exploitation Project
Solomon Islands	Fisheries Development Project
Tonga	Primary School Construction Project Fisheries Development Project
Tubal	Fisheries Development Project
Western Samoa	The Educational Development Project The Project for the Construction of Fishery Port

Chapter 3.

Japan Overseas Cooperation Volunteers Programme (JOCV)

1. Outline

This programme is designed to promote and assist the cooperation extended by Japanese young people for the socio-economic progress of developing countries.

The young volunteers participating in this programme undergo training to acquire techniques and skills required by developing countries and are charged with a mission to cooperate in their nation-building.

The characteristics of the JOCV Programme are that these Japanese young people are sent in order to deepen mutual understanding through personal contacts with the peoples of developing countries and cooperate with local people in nation-building that these countries seek through economic and social development.

Based on the requests made by developing countries, the Agency, in cooperation with prefectural governments and private organizations, publicly recruits volunteers twice a year and give them a four-month preassignment training. After this, the volunteers are sent to developing countries for assignment.

The sector covered by this programme has a wide range and includes agriculture, forestry and fisheries, civil engineering and construction, health and hygiene, mining and manufacturing and even education, sports and other fields.

2. Performance in 1980

There were 410 volunteers sent overseas in 1980, bringing the cumulative total to 3520 since the JOCV programme was initiated in 1965. Of the total figure for 1980, 198 (48.2%), the largest number, went to Africa. This was followed by 121 (29.5%) to Asia, 44 (10.7%)

to Latin America, 30 (7.3%) to Middle East, 17 (4.2%) to Oceania. By country, the largest number, 84 went to Malawi, followed by 61 to Kenya and 44 to the Malaysia. In the distribution by sector, the largest ratio was accounted for by agriculture with 76 (18.5%), followed by education with 65 (15.9%).

Fig. 1. Number of Japan Overseas Cooperation Volunteers Dispatched by Sector and Region (1980)

Unit: Person

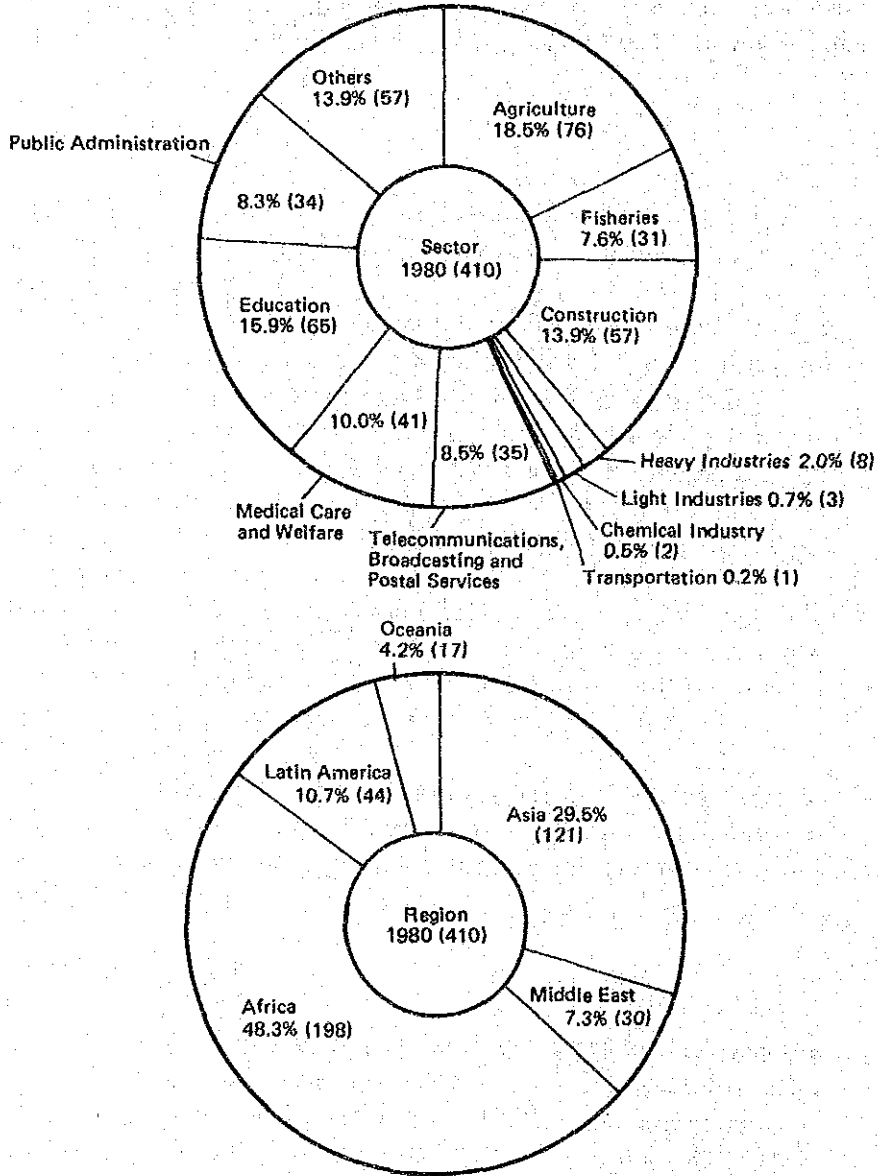


Fig. 2. Total number of Japan Overseas Cooperation Volunteers Dispatched by Sector and Region (1965--1980)

Unit: Person

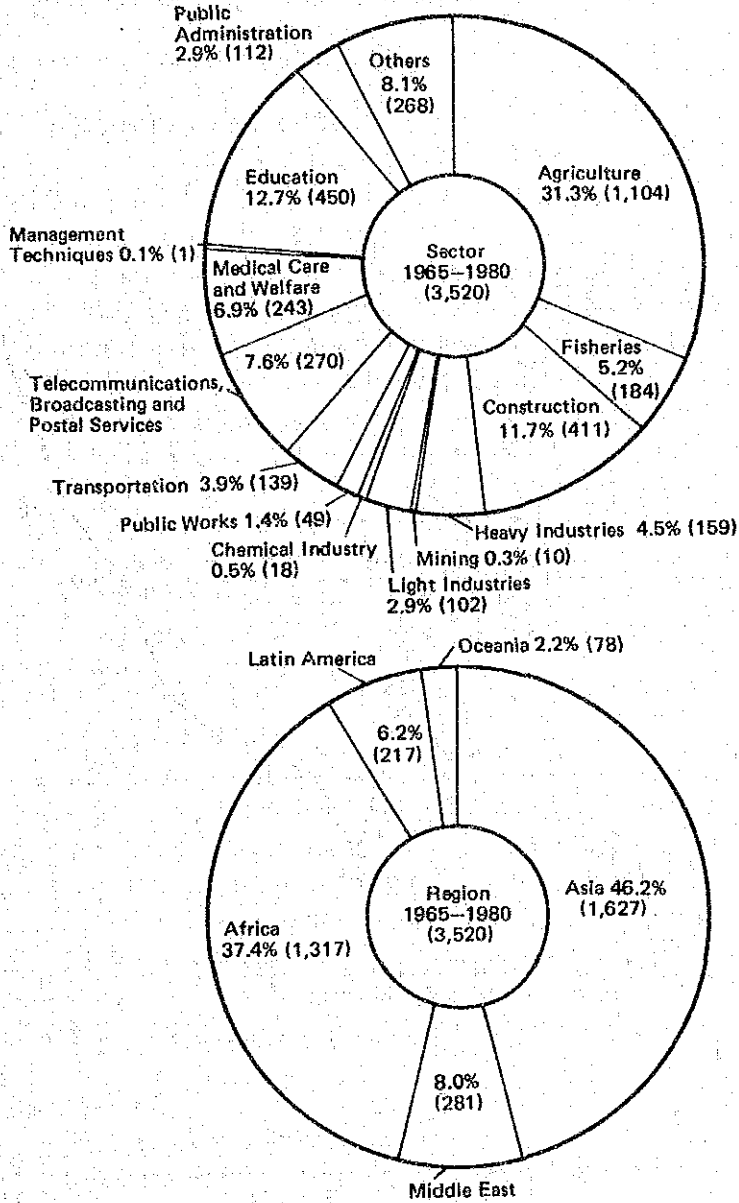
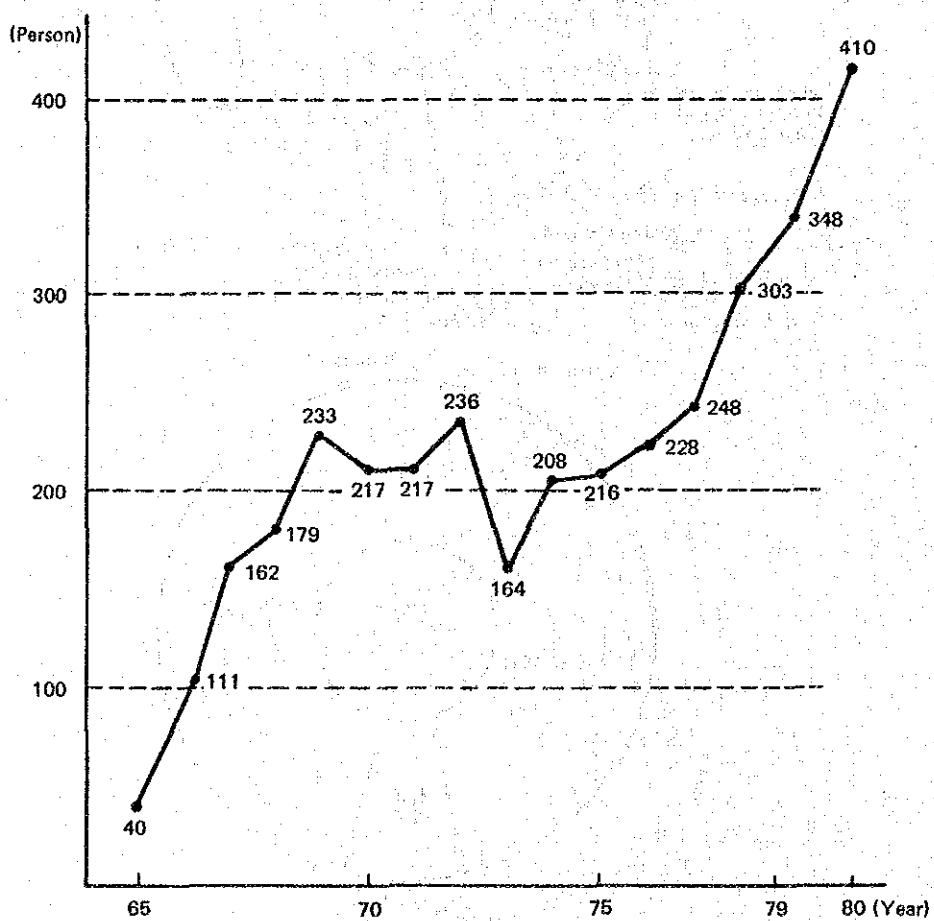


Fig. 3. Number of Japan Overseas Cooperation Volunteers Dispatched by year



Chapter 4.

Development Cooperation Programme (Investment in and Financing of Development Projects)

1. Outline

The Agency offers long-term, low-interest loans to Japanese corporations (including foreign corporations financed by Japanese firms) which require funds for improvement and expansion of facilities and for experimental projects in developing countries to promote social development, agricultural and forestry development and mining and manufacturing activities.

Such funds are used in projects which do not pay on commercial basis, e.g. improvement of related facilities such as roads to factories, hospitals, schools, port and harbour facilities, bridges and other infrastructure facilities and experimental projects such as cultivation of new crops, development of mining resources and mining activities which are risky.

2. Performance in 1980

During the fiscal 1980, the Agency consented to give 4,333 million yen for 4 projects for expansion of the related facilities and 554 million yen for 5 experimental projects. The loans totaled 4,887 million yen for 9 projects. On the contract basis, loans for the expansion of facilities reached 2,539 million yen and those for experimental projects 1,093 million yen, totaling 3,632 million yen. Basic surveys and technical guidance conducted during fiscal 1980 were as follows:

Basic surveys

Basic surveys related to facilities	2
Basic surveys related to experimental projects	5

Technical guidance

- Dispatch of experts 4 persons in 4 cases**
- Acceptance of overseas trainees 20 persons in 4 cases**

Chapter 5.

Emigration Service

1. Outline

Emigration of Japanese people dates back to 1868 when about 150 persons went to Hawaii. Since then, the number of emigrants to North and Latin America increased steadily. Emigration was suspended after the outbreak of World War II but was resumed after the war, and the first postwar emigrants left Japan for Brazil in 1952.

Japanese emigrants' activities in their new countries have diversified from agricultural to industrial fields. In the future, emigration connected with economic cooperation and technical assistance projects may be expected.

The agency is carrying out the following activities to further promote the emigration of Japanese people:

- (1) Diffusion of information and guidance on overseas emigration.
- (2) Various types of training and study meetings for those wishing to emigrate.
- (3) Improvement of living environment in the countries where the Japanese are emigrating.
- (4) Guidance and counselling to the prospective emigrants in such fields as agricultural management, technical services and financial aids.

2. Performance in 1980

During fiscal 1980, 597 Japanese emigrated to eight Latin American countries – Brazil, Paraguay, Argentina, Bolivia, Venezuela and Colombia. Qualification certificates for the emigration to Canada were issued to 311 persons. Australia accepted 40 persons.

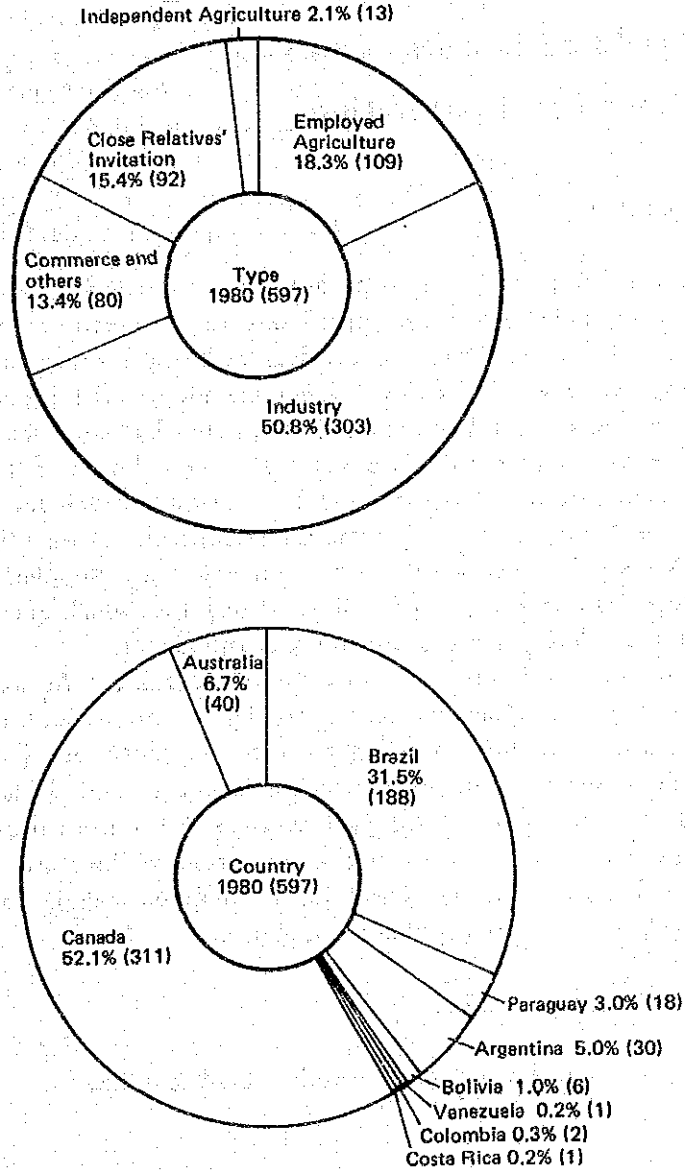
Consultations about overseas emigration totaled 6,305 cases during fiscal 1980 (978 cases for Latin America, 4,265 cases for North America, and Australia, and 1,062 for other destinations). Subjects of consulta-

tion cover a wider range, including the latest information on social conditions of the destination countries and the type of emigration.

As for the assistance to Japanese emigrants abroad, the Agency extended financial aids to them for improvement of medical services, which are the basis for stabilization of their lives, for educational facilities, for construction of roads and for electricity supply for settlements. Loans were also provided for agricultural management.

Fig. 1. Emigrants by Type and Country (1980)

Unit: Person



Chapter 6.

Recruiting and Training of Qualified Japanese Experts for Technical Cooperation

1. Outline

While there are many capable persons in technical fields in Japan, the present employment system is hampering the recruitment of qualified experts for assignment to overseas technical cooperation activities. To improve this situation, the Agency has adopted the Experts Registration System and the Experts Pooling System which are aimed at pooling experts who have returned to Japan after completion of their overseas assignments or other experts who have expressed their intention to be dispatched abroad. For the smooth recruitment of qualified persons, the Agency has also adopted the Domestic Wage Supplement System for local public bodies and private enterprises which are cooperative in releasing their employees for overseas assignment.

To further improve the quality of experts, the Agency conducts pre-departure training courses in foreign languages and in technical fields, and medium-term training courses in Japan and abroad, which provide extensive training on foreign languages and specialized techniques for experts to be assigned overseas in the near future, and also long-term training courses at well-known research institutes or universities in foreign countries to train highly qualified technical experts who will seek their career in technical cooperation.

2. Performance in 1980

In 1980, this programme was conducted as follows:

Orientation and Training Programmes in 1980

Programmes	Participants	
Pre-Departure Orientation Programme	412	
Individual Language Training Programme	62	
Technical Training Programme	52	
Would-be Experts Training Programme	116	
Overseas Training Programme	27	
Special Technical Training Programme	6	
Comprehensive Training Programme	22	
<hr/>		
Total	697	Persons

Appendices (Statistics)

**Performance of Technical Cooperation by Region, Country,
Type of Cooperation and Sector
(As of March 31, 1981)**

Region, Country, Organization	Sector							
	Type of Cooperation	Total	Agriculture	Fisheries	Construc- tion	Heavy Industries	Mining	Light Industries
ASIA								
Bangladesh	Trainees	656 (112)	107 (15)	12 (-)	44 (5)	41 (10)	15 (2)	27 (6)
	Survey Team Members	438 (54)	108 (24)	12 (-)	160 (-)	20 (-)	- (-)	19 (-)
	Experts	141 (22)	74 (17)	3 (-)	- (-)	5 (-)	- (-)	2 (-)
	Volunteers	115 (16)	89 (9)	5 (1)	6 (2)	4 (-)	- (-)	1 (-)
Bhutan	Trainees	81 (9)	25 (1)	-	1	1	- (-)	3 (-)
	Experts	2	1	-	-	1	-	-
Burma	Trainees	718 (94)	150 (21)	27 (2)	61 (9)	45 (8)	30 (2)	38 (1)
	Survey Team Members	512 (51)	168 (23)	- (-)	58 (-)	24 (3)	137 (-)	- (-)
	Experts	238 (51)	59 (11)	1 (-)	20 (9)	8 (7)	21 (-)	6 (3)
Cambodia	Trainees	443	152	5	23	10	3	13
	Survey Team Members	98	24	12	-	-	-	-
	Experts	195	72	1	7	-	1	3
	Volunteers	16	7	-	-	-	-	-
China	Trainees	179 (124)	1 (1)	- (-)	18 (7)	16 (16)	1 (1)	4 (4)
	Survey Team Members	198 (125)	13 (13)	- (-)	25 (-)	- (-)	16 (16)	- (-)
	Experts	53 (37)	1 (1)	- (-)	- (-)	- (-)	- (-)	- (-)
India	Trainees	1,442 (50)	447 (8)	84 (1)	91 (1)	60 (2)	13 (2)	150 (1)
	Survey Team Members	161 (5)	23 (5)	- (-)	- (-)	- (-)	- (-)	- (-)
	Experts	194 (5)	121 (-)	25 (1)	4 (-)	- (-)	1 (-)	8 (-)
	Volunteers	131	84	1	-	-	-	9
Indonesia	Trainees	(16) (2)	(16) (2)	197 (7)	307 (34)	135 (13)	99 (6)	214 (10)
	Survey Team Members	3,805 (317)	717 (73)	42 (3)	693 (53)	85 (39)	229 (58)	56 (4)
	Experts	1,229 (164)	372 (83)	51 (7)	151 (10)	19 (3)	53 (7)	14 (-)
Korea	Trainees	(2)	(2) (2)	103 (-)	108 (7)	80 (5)	40 (3)	105 (2)
	Survey Team Members	2,348 (87)	545 (11)	- (-)	65 (-)	9 (-)	- (-)	5 (-)
	Experts	383 (4)	114 (-)	1 (-)	90 (4)	20 (-)	14 (1)	4 (2)
Laos	Trainees	339	100	5	36	9	2	15
	Survey Team Members	183 (11)	8 (-)	(-)	104 (-)	- (-)	12 (-)	- (-)
	Experts	105	47	-	10	-	-	1
	Volunteers	250	98	1	45	-	8	14
Malaysia	Trainees	(6)	(6)	48 (3)	105 (16)	54 (14)	19 (1)	57 (4)
	Survey Team Members	1,469 (140)	268 (16)	22 (-)	147 (59)	21 (1)	- (-)	- (-)
	Experts	244 (36)	50 (7)	3 (-)	32 (4)	30 (12)	5 (-)	4 (-)
	Volunteers	429 (44)	95 (7)	17 (8)	33 (1)	39 (-)	1 (-)	23 (-)

Note: The numbers in parenthesis show the performance in FY1979.

Chemical Industry	Public Works	Transportation	Postal Services & Telecommunications	Health & welfare	Atomic Energy	Management Techniques	Education	Public Administration	Others
17 (5)	12 (1)	65 (9)	70 (7)	80 (19)	1 (1)	32 (6)	5 (-)	100 (19)	28 (7)
- (-)	16 (1)	3 (-)	45 (18)	26 (11)	- (-)	10 (-)	- (-)	- (-)	19 (-)
- (-)	- (-)	11 (1)	10 (2)	16 (2)	- (-)	- (-)	6 (-)	8 (-)	6 (-)
- (-)	- (-)	2 (-)	2 (2)	- (-)	- (-)	- (-)	- (-)	4 (2)	2 (-)
- (-)	- (-)	9 (1)	4 (-)	1 (-)	- (-)	3 (-)	- (-)	23 (-)	11 (7)
-	-	-	-	-	-	-	-	-	-
25 (8)	12 (2)	94 (8)	47 (9)	80 (10)	2 (-)	13 (2)	3 (-)	61 (8)	30 (4)
8 (-)	- (-)	16 (-)	22 (-)	51 (21)	- (-)	- (-)	- (-)	14 (4)	14 (-)
4 (4)	1 (-)	2 (-)	33 (5)	47 (6)	- (-)	- (-)	10 (-)	22 (6)	4 (-)
1	12	35	64	8	-	10	33	43	31
-	-	22	12	-	-	-	-	-	28
-	2	1	45	46	-	-	10	2	5
-	-	-	-	-	-	-	9	-	-
5 (5)	2 (2)	63 (31)	4 (4)	23 (13)	- (-)	22 (20)	- (-)	5 (5)	15 (15)
- (-)	24 (17)	64 (23)	- (-)	56 (56)	- (-)	- (-)	- (-)	- (-)	- (-)
- (-)	- (-)	8 (6)	2 (2)	8 (4)	- (-)	24 (17)	- (-)	10 (7)	- (-)
19 (-)	28 (2)	97 (6)	47 (2)	69 (5)	1 (1)	33 (3)	37 (-)	211 (10)	55 (6)
- (-)	- (-)	9 (-)	- (-)	3 (-)	- (-)	- (-)	- (-)	4 (-)	122 (-)
1 (-)	- (-)	5 (-)	1 (-)	17 (4)	- (-)	2 (-)	4 (-)	2 (-)	3 (-)
-	1	2	2	13	-	-	17	-	2
60 (6)	101 (16)	440 (34)	227 (24)	420 (35)	2 (2)	146 (6)	60 (3)	488 (34)	192 (14)
72 (14)	152 (21)	377 (73)	96 (44)	63 (4)	- (-)	- (-)	- (-)	200 (12)	228 (17)
2 (2)	97 (3)	74 (6)	54 (8)	157 (21)	- (-)	7 (3)	59 (-)	87 (9)	32 (2)
29 (-)	16 (-)	233 (8)	83 (1)	229 (12)	10 (2)	54 (4)	107 (3)	486 (21)	120 (8)
- (-)	55 (-)	49 (-)	- (-)	24 (4)	- (-)	- (-)	- (-)	35 (-)	27 (-)
1 (-)	1 (-)	59 (-)	17 (4)	96 (10)	- (-)	12 (-)	6 (-)	100 (11)	23 (2)
3	6	21	21	19	-	1	6	86	9
- (-)	11 (11)	- (-)	- (-)	3 (-)	- (-)	- (-)	- (-)	- (-)	45 (-)
-	3	-	5	26	-	-	-	10	3
1	10	-	37	3	-	-	26	-	7
8 (-)	46 (9)	185 (17)	131 (10)	81 (9)	3 (2)	48 (5)	31 (-)	315 (29)	70 (5)
40 (-)	200 (43)	98 (19)	43 (16)	- (-)	- (-)	- (-)	- (-)	95 (56)	59 (-)
5 (-)	- (-)	52 (7)	14 (-)	15 (-)	2 (2)	5 (-)	8 (1)	15 (3)	4 (-)
- (-)	8 (-)	12 (-)	35 (5)	17 (1)	- (-)	- (-)	90 (3)	7 (4)	52 (15)

Region, Country, Organization	Sector							
	Type of Cooperation	Total	Agriculture	Fisheries	Construc- tion	Heavy Industries	Mining	Light Industries
Maldives	Trainees	22 (5)	- (-)	2 (-)	- (-)	- (-)	- (-)	- (-)
	Survey Team Members	4	-	-	4	-	-	-
	Experts	10 (1)	1 (-)	2 (-)	- (-)	- (-)	- (-)	- (-)
Mongolia	Trainees	18 (4)	2 (-)	- (-)	- (-)	- (-)	- (-)	12 (4)
Nepal	Trainees	558 (59)	135 (9)	5 (-)	37 (5)	4 (1)	2 (-)	26 (3)
	Survey Team Member	262 (49)	38 (5)	- (-)	- (-)	6 (-)	- (-)	12 (7)
	Experts	186 (22)	45 (6)	1 (-)	20 (-)	14 (-)	10 (3)	11 (5)
	Volunteers	201 (25)	41 (3)	9 (1)	33 (7)	3 (-)	1 (-)	3 (-)
Pakistan	Trainees	926 (72)	118 (8)	23 (-)	49 (4)	24 (6)	6 (-)	79 (3)
	Survey Team Members	410 (58)	- (-)	11 (-)	81 (2)	23 (4)	13 (-)	12 (-)
	Experts	233 (6)	59 (-)	15 (-)	18 (-)	4 (2)	7 (-)	12 (-)
Philippines	Trainees	(8) 2,548 (190)	(8) 544 (29)	112 (4)	212 (22)	76 (8)	55 (6)	164 (9)
	Survey Team Members	1,760 (343)	296 (31)	32 (-)	307 (60)	67 (5)	246 (39)	56 (24)
	Experts	560 (81)	102 (21)	32 (-)	58 (5)	22 (7)	18 (-)	28 (-)
	Volunteers	485 (36)	266 (13)	44 (2)	15 (1)	17 (1)	- (-)	29 (1)
Singapore	Trainees	958 (93)	31 (4)	35 (1)	84 (8)	37 (4)	- (-)	41 (2)
	Survey Team Member	88 (27)	- (-)	- (-)	5 (-)	- (-)	- (-)	- (-)
	Experts	210 (48)	2 (-)	3 (-)	26 (-)	13 (-)	- (-)	4 (-)
Sri Lanka	Trainees	1,209 (125)	287 (17)	97 (4)	42 (4)	41 (5)	5 (2)	71 (6)
	Survey Team Members	314 (26)	63 (6)	32 (-)	27 (-)	- (-)	- (-)	24 (2)
	Experts	229 (14)	49 (-)	66 (1)	10 (1)	3 (3)	2 (-)	31 (-)
Thailand	Trainees	(88) (15) 3,657 (284)	(88) (15) 803 (70)	220 (4)	223 (15)	52 (13)	53 (6)	183 (14)
	Survey Team Members	1,689 (327)	394 (94)	51 (14)	215 (26)	58 (27)	16 (-)	11 (-)
	Experts	1,382 (312)	213 (47)	61 (2)	98 (1)	8 (2)	8 (-)	35 (2)
Vietnam	Trainees	637	109	26	22	3	6	18
	Survey Team Members	132	34	-	3	-	-	-
	Experts	163	30	4	-	-	-	5
Brunei	Trainees	4 (2)	3 (2)	- (-)	- (-)	- (-)	- (-)	- (-)
Hong Kong	Trainees	56 (16)	5 (-)	- (-)	1 (1)	- (-)	- (-)	5 (2)

Chemical Industry	Public Works	Transportation	Postal Services & Telecommunications	Health & welfare	Atomic Energy	Management Techniques	Education	Public Administration	Others
- (-)	- (-)	3 (-)	7 (2)	- (-)	- (-)	- (-)	- (-)	1 (-)	8 (3)
- (-)	- (-)	- (-)	5 (1)	- (-)	- (-)	- (-)	1 (-)	- (-)	1 (-)
- (-)	- (-)	- (-)	- (-)	4 (-)	- (-)	- (-)	- (-)	- (-)	- (-)
4 (-)	16 (3)	12 (1)	38 (6)	59 (11)	- (-)	35 (3)	21 (-)	136 (11)	28 (6)
13 (-)	52 (19)	18 (-)	24 (5)	40 (12)	- (-)	- (-)	- (-)	- (-)	59 (1)
- (-)	11 (1)	7 (-)	1 (-)	47 (7)	- (-)	- (-)	- (-)	16 (-)	3 (-)
- (-)	3 (-)	3 (-)	15 (2)	61 (7)	- (-)	- (-)	8 (1)	2 (1)	19 (3)
96 (3)	21 (8)	63 (6)	150 (9)	50 (4)	13 (-)	35 (2)	14 (2)	140 (13)	45 (4)
- (-)	74 (32)	124 (10)	62 (-)	4 (4)	- (-)	- (-)	- (-)	5 (5)	1 (1)
4 (-)	3 (-)	6 (-)	83 (3)	3 (1)	- (-)	1 (-)	5 (-)	1 (-)	12 (-)
80 (10)	57 (8)	222 (15)	149 (8)	267 (24)	3 (1)	63 (3)	42 (2)	420 (34)	82 (7)
48 (4)	166 (58)	182 (43)	51 (10)	48 (7)	- (-)	3 (-)	4 (4)	173 (56)	81 (2)
22 (4)	- (-)	74 (18)	14 (1)	97 (6)	- (-)	5 (-)	16 (2)	58 (12)	14 (5)
11 (2)	15 (-)	6 (-)	22 (3)	7 (-)	- (-)	- (-)	22 (4)	9 (3)	22 (6)
16 (-)	18 (4)	97 (8)	90 (10)	69 (8)	1 (1)	20 (2)	22 (-)	288 (37)	109 (4)
- (-)	21 (21)	33 (-)	- (-)	- (-)	- (-)	- (-)	- (-)	17 (-)	12 (6)
1 (-)	1 (1)	6 (1)	38 (9)	25 (12)	- (-)	- (-)	50 (17)	28 (1)	13 (7)
28 (2)	11 (3)	85 (8)	114 (30)	66 (8)	1 (1)	57 (5)	8 (1)	244 (22)	52 (7)
7 (-)	- (-)	35 (1)	40 (-)	25 (17)	- (-)	5 (-)	- (-)	1 (-)	55 (-)
- (-)	1 (-)	2 (-)	10 (2)	36 (4)	- (-)	- (-)	7 (1)	6 (2)	6 (-)
52 (9)	129 (15)	243 (21)	293 (23)	482 (30)	8 (1)	78 (7)	199 (2)	482 (39)	157 (15)
54 (20)	239 (57)	145 (-)	144 (3)	117 (60)	- (-)	- (-)	7 (-)	123 (21)	115 (5)
15 (2)	56 (3)	21 (7)	116 (11)	578 (205)	- (-)	3 (-)	31 (2)	117 (24)	22 (4)
4	15	21	26	188	-	11	40	118	30
-	40	11	5	5	-	-	-	1	33
-	-	-	15	88	-	-	19	1	1
- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	1 (-)	- (-)	- (-)	- (-)
- (-)	- (-)	9 (3)	- (-)	1 (1)	- (-)	1 (-)	- (-)	23 (6)	11 (3)

Region, Country, Organization	Sector							
	Type of Cooperation	Total	Agriculture	Fisheries	Construc- tion	Heavy Industries	Mining	Light Industries
Others	Trainees	1,850	631	102	79	33	60	97
	Survey Team Members	81	-	-	12	-	9	-
	Experts	198	38	14	13	2	37	16
Unspecified	Trainees	20	1	6	-	-	-	2
	Survey Team Members	1,306 (113)	252 (41)	3 (-)	388 (-)	19 (3)	25 (3)	13 (-)
	Experts	65 (25)	7 (-)	1 (-)	6 (-)	- (-)	2 (-)	- (-)
Total for Asia	Trainees	(120) (17)	(120) (17)	1,109 (26)	1,543 (138)	721 (105)	409 (31)	1,324 (71)
	Survey Team Members	23,943 (1,783)	5,181 (285)	217 (17)	2,295 (200)	332 (82)	703 (116)	208 (37)
	Experts	6,227 (881)	1,489 (216)	284 (11)	563 (34)	149 (36)	179 (11)	184 (12)
	Volunteers	1,627 (121)	680 (32)	77 (12)	132 (11)	63 (1)	10 (-)	79 (1)

MIDDLE EAST

Afghanistan	Trainees	437	81	2	18	10	9	26
	Survey Team Members	93	28	-	13	-	-	7
	Experts	121	8	-	2	-	3	7
Algeria	Trainees	51 (6)	6 (-)	- (-)	- (-)	3 (1)	- (-)	- (-)
	Survey Team Members	30	-	-	-	-	-	5
	Experts	52 (14)	9 (-)	- (-)	9 (8)	- (-)	- (-)	2 (-)
Bahrain	Trainees	6	-	-	-	-	-	-
Egypt	Trainees	921 (126)	64 (2)	7 (2)	68 (12)	34 (8)	15 (1)	59 (9)
	Survey Team Members	401 (68)	40 (22)	6 (-)	29 (-)	49 (-)	- (-)	10 (5)
	Experts	165 (28)	11 (4)	1 (-)	10 (3)	10 (-)	- (-)	5 (-)
Iran	Trainees	1,021 (36)	158 (3)	22 (-)	111 (4)	25 (2)	28 (3)	43 (1)
	Survey Team Members	161	15	-	35	-	-	-
	Experts	251	28	8	31	3	3	30
Iraq	Trainees	529 (47)	28 (6)	7 (-)	50 (3)	13 (1)	5 (-)	45 (4)
	Survey Team Members	74 (3)	34 (-)	- (-)	- (-)	22 (-)	- (-)	- (-)
	Experts	72 (7)	2 (-)	- (-)	7 (3)	24 (1)	- (-)	2 (-)
Israel	Trainees	5	5	-	-	-	-	-
Jordan	Trainees	101 (18)	9 (1)	2 (-)	4 (-)	4 (1)	- (-)	4 (-)
	Survey Team Members	123 (20)	- (-)	- (-)	40 (11)	9 (9)	- (-)	- (-)
	Experts	20 (6)	- (-)	- (-)	- (-)	- (-)	2 (2)	- (-)
Kuwait	Trainees	90 (6)	1 (-)	- (-)	3 (-)	2 (-)	- (-)	1 (-)
	Experts	22 (2)	- (-)	6 (-)	5 (-)	- (-)	- (-)	- (-)
Lebanon	Trainees	19 (1)	4 (-)	4 (-)	3 (-)	- (-)	- (-)	1 (-)
	Survey Team Members	6	-	-	6	-	-	-
	Experts	14 (1)	4	5	1	-	-	3

Chemical Industry	Public Works	Transportation	Postal Services & Telecommunications	Health & welfare	Atomic Energy	Management Techniques	Education	Public Administration	Others
18	54	105	102	119	5	50	137	180	78
-	11	36	-	-	-	-	-	10	3
-	7	14	16	17	-	3	2	13	6
-	3	1	2	5	-	-	-	-	-
4 (-)	- (-)	109 (22)	25 (-)	46 (4)	- (-)	- (-)	- (-)	145 (29)	277 (11)
- (-)	- (-)	7 (-)	- (-)	11 (-)	- (-)	- (-)	- (-)	28 (25)	3 (-)
465 (48)	559 (73)	2,103 (176)	1,669 (145)	2,320 (189)	50 (12)	714 (68)	765 (13)	3,850 (288)	1,161 (115)
246 (38)	1,061 (280)	1,331 (191)	569 (96)	511 (200)	- (-)	18 (-)	11 (4)	823 (183)	1,178 (43)
55 (12)	183 (8)	349 (46)	479 (48)	1,330 (282)	2 (2)	62 (20)	234 (23)	524 (100)	161 (20)
12 (2)	37 (-)	25 (-)	113 (12)	101 (8)	- (-)	- (-)	172 (8)	22 (10)	104 (24)
8	28	12	68	87	-	11	2	56	19
-	-	-	24	7	-	-	-	5	9
-	19	-	13	55	-	1	-	13	-
6 (1)	- (-)	3 (1)	25 (2)	4 (1)	- (-)	- (-)	- (-)	4 (-)	- (-)
-	-	-	14	11	-	-	-	-	-
- (-)	- (-)	1 (-)	9 (-)	12 (6)	- (-)	- (-)	8 (-)	2 (-)	- (-)
-	1	-	1	-	-	-	-	4	-
22 (2)	33 (5)	161 (17)	131 (18)	94 (12)	- (-)	42 (3)	9 (5)	169 (30)	13 (-)
- (-)	32 (-)	90 (12)	19 (12)	25 (-)	- (-)	6 (-)	- (-)	94 (16)	1 (1)
- (-)	- (-)	57 (8)	13 (-)	20 (5)	- (-)	- (-)	1 (-)	36 (8)	1 (-)
24 (-)	50 (5)	66 (-3)	146 (2)	85 (3)	1 (-)	29 (1)	12 (-)	180 (8)	41 (1)
26	4	27	12	9	-	-	-	13	20
-	3	12	60	27	-	1	16	26	1
12 (1)	18 (2)	60 (2)	96 (9)	34 (5)	2 (-)	30 (1)	3 (-)	116 (11)	10 (2)
- (-)	7 (-)	- (-)	11 (3)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
2 (-)	- (-)	- (-)	6 (-)	2 (-)	- (-)	- (-)	- (-)	22 (3)	5 (-)
-	-	-	-	-	-	-	-	-	-
5 (1)	1 (1)	4 (-)	36 (3)	- (-)	- (-)	2 (-)	5 (4)	24 (7)	1 (-)
- (-)	- (-)	- (-)	21 (-)	- (-)	- (-)	- (-)	- (-)	53 (-)	- (-)
- (-)	- (-)	- (-)	12 (4)	- (-)	- (-)	- (-)	- (-)	6 (-)	- (-)
4 (1)	1 (-)	1 (-)	62 (3)	1 (-)	- (-)	1 (-)	- (-)	13 (2)	- (-)
-	-	-	5	3	-	-	-	-	3
1 (1)	- (-)	2 (-)	2 (-)	- (-)	- (-)	- (-)	- (-)	1 (-)	1 (-)
-	-	-	-	-	-	-	-	-	-
-	-	-	-	1 (1)	-	-	-	-	-

Region, Country, Organization	Sector							
	Type of Cooperation	Total	Agriculture	Fisheries	Construc- tion	Heavy Industries	Mining	Light Industries
Libya	Trainees	45 (4)	3	3 (3)	2 (1)	2	2	3
	Survey Team Members	16	-	-	-	-	-	-
	Experts	10	5	-	-	-	-	-
Morocco	Trainees	33 (7)	3 (-)	- (-)	4 (2)	- (-)	8 (2)	1 (-)
	Survey Team Members	98 (11)	- (-)	5 (-)	- (-)	- (-)	93 (11)	- (-)
	Experts	34 (12)	5 (-)	3 (3)	6 (6)	- (-)	6 (2)	- (-)
	Volunteers	157 (7)	77 (2)	4 (-)	57 (3)	- (-)	- (-)	- (-)
Oman	Trainees	6 (2)	- (-)	1 (-)	- (-)	2 (-)	- (-)	- (-)
	Survey Team Members	65 (36)	19 (19)	- (-)	- (-)	5 (-)	16 (9)	- (-)
Qatar	Trainees	21 (4)	- (-)	- (-)	- (-)	- (-)	3 (-)	- (-)
	Experts	13 (1)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
Saudi Arabia	Trainees	223 (56)	2 (-)	- (-)	11 (3)	62 (33)	7 (-)	7 (3)
	Survey Team Members	107 (28)	6 (6)	- (-)	17 (-)	- (-)	- (-)	- (-)
	Experts	144 (45)	- (-)	7 (3)	37 (16)	11 (8)	27 (-)	10 (6)
Sudan	Trainees	269 (28)	28 (6)	12 (-)	15 (3)	4 (1)	- (-)	21 (3)
	Survey Team Members	115 (15)	41 (-)	4 (4)	32 (-)	- (-)	26 (11)	- (-)
	Experts	19 (7)	9 (3)	1 (-)	- (-)	- (-)	2 (1)	- (-)
Syria	Trainees	132 (12)	22 (1)	4 (1)	11 (1)	1 (-)	1 (1)	8 (-)
	Survey Team Members	15	12	-	-	-	-	-
	Experts	51 (2)	36 (2)	1 (-)	7 (-)	- (-)	- (-)	- (-)
	Volunteers	55 (11)	24 (8)	5 (2)	5 (-)	1 (-)	- (-)	- (-)
Tunisia	Trainees	44 (12)	1 (1)	11 (3)	- (-)	7 (2)	- (-)	- (-)
	Survey Team Members	55 (8)	- (-)	14 (8)	- (-)	- (-)	- (-)	- (-)
	Experts	39 (16)	- (-)	13 (4)	- (-)	10 (5)	- (-)	- (-)
	Volunteers	69 (12)	3 (-)	2 (1)	3 (-)	10 (2)	- (-)	- (-)
Turkey	Trainees	536 (49)	29 (1)	33 (2)	71 (4)	37 (8)	31 (6)	33 (2)
	Survey Team Members	137 (16)	- (-)	16 (-)	- (-)	1 (-)	95 (16)	- (-)
	Experts	100 (3)	- (-)	33 (-)	13 (-)	1 (-)	28 (-)	1 (-)
North Yemen	Trainees	14 (7)	- (-)	1 (1)	2 (1)	- (-)	2 (-)	- (-)
	Survey Team Members	55	29	-	-	-	-	-
	Experts	11 (3)	3 (3)	- (-)	6 (-)	- (-)	- (-)	- (-)

Chemical Industry	Public Works	Transportation	Postal Services & Telecommunications	Health & welfare	Atomic Energy	Management Techniques	Education	Public Administration	Others
2	2	1	16	-	-	-	-	5	4
-	-	-	16	-	-	-	-	-	-
-	-	3	-	2	-	-	-	-	-
1 (1)	3 (1)	1 (-)	3 (-)	2 (-)	- (-)	- (-)	2 (-)	5 (1)	- (-)
- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
- (-)	- (-)	- (-)	- (-)	1 (1)	- (-)	- (-)	3 (-)	10 (-)	- (-)
- (-)	- (-)	2 (-)	3 (1)	2 (-)	- (-)	- (-)	3 (-)	4 (-)	5 (1)
- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	1 (-)	2 (2)
17 (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	8 (8)	- (-)
1 (-)	4 (1)	- (-)	9 (2)	- (-)	- (-)	1 (-)	- (-)	3 (1)	- (-)
- (-)	- (-)	- (-)	4 (1)	- (-)	- (-)	- (-)	- (-)	9 (-)	- (-)
4 (1)	6 (3)	7 (1)	57 (6)	11 (1)	- (-)	- (-)	- (-)	45 (4)	4 (1)
60 (22)	- (-)	- (-)	11 (-)	- (-)	- (-)	- (-)	5 (-)	- (-)	8 (-)
- (-)	6 (6)	5 (2)	16 (2)	- (-)	- (-)	2 (-)	- (-)	17 (-)	6 (2)
4 (1)	7 (-)	40 (2)	59 (3)	19 (3)	- (-)	5 (-)	4 (-)	46 (5)	5 (1)
2 (-)	2 (-)	6 (-)	- (-)	- (-)	- (-)	- (-)	- (-)	2 (-)	- (-)
- (-)	- (-)	2 (-)	4 (2)	1 (1)	- (-)	- (-)	- (-)	- (-)	- (-)
4 (1)	11 (2)	19 (2)	20 (1)	7 (1)	- (-)	4 (-)	- (-)	18 (1)	2 (-)
-	-	-	-	-	-	-	-	3	-
- (-)	- (-)	3 (-)	0 (-)	- (-)	- (-)	- (-)	- (-)	3 (-)	1 (-)
- (-)	- (-)	1 (-)	3 (-)	2 (-)	- (-)	- (-)	5 (-)	- (-)	9 (1)
1 (1)	7 (-)	5 (1)	1 (-)	6 (2)	- (-)	- (-)	- (-)	5 (2)	- (-)
- (-)	37 (-)	- (-)	- (-)	4 (-)	- (-)	- (-)	- (-)	- (-)	- (-)
- (-)	- (-)	1 (-)	1 (-)	12 (7)	- (-)	- (-)	- (-)	2 (-)	- (-)
- (-)	- (-)	1 (-)	7 (2)	18 (-)	- (-)	- (-)	8 (3)	1 (1)	16 (3)
24 (4)	54 (6)	38 (2)	69 (4)	24 (1)	- (-)	9 (1)	20 (1)	52 (6)	12 (1)
- (-)	25 (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
1 (-)	14 (-)	- (-)	1 (-)	2 (-)	2 (2)	- (-)	- (-)	3 (1)	1 (-)
- (-)	2 (1)	- (-)	2 (1)	3 (2)	- (-)	- (-)	- (-)	2 (1)	- (-)
-	22	-	-	-	-	-	-	-	4
- (-)	- (-)	- (-)	- (-)	2 (-)	- (-)	- (-)	- (-)	- (-)	- (-)

Region, Country, Organization	Sector							
	Type of Cooperation	Total	Agriculture	Fisheries	Construction	Heavy Industries	Mining	Light Industries
South Yemen	Trainees	7	-	-	1	-	-	-
	Experts	8 (4)	- (-)	8 (4)	- (-)	- (-)	- (-)	- (-)
United Arab Emirates	Trainees	40 (10)	- (-)	- (-)	4 (1)	- (-)	2 (-)	- (-)
	Survey Team Members	114 (55)	5 (-)	12 (12)	- (-)	- (-)	- (-)	- (-)
	Experts	28 (4)	7 (-)	10 (2)	2 (-)	- (-)	- (-)	- (-)
Unspecified	Survey Team Members	40 (9)	10 (-)	2 (-)	- (-)	- (-)	5 (-)	- (-)
	Experts	11	-	2	8	-	-	-
Total for Middle East	Trainees	4,550 (431)	444 (21)	109 (12)	378 (35)	206 (57)	113 (13)	252 (22)
	Survey Team Members	1,705 (269)	239 (47)	59 (24)	172 (11)	86 (9)	235 (47)	22 (5)
	Experts	1,185 (155)	127 (12)	98 (16)	144 (36)	59 (14)	71 (5)	60 (6)
	Volunteers	281 (30)	104 (10)	11 (3)	65 (3)	11 (2)	- (-)	- (-)

AFRICA

Benin	Trainees	3	-	1	-	-	-	-
Botswana	Trainees	4 (1)	- (-)	- (-)	- (-)	- (-)	2 (1)	- (-)
	Survey Team Members	20 (11)	- (-)	- (-)	- (-)	- (-)	20 (11)	- (-)
	Experts	3	-	-	-	-	3	-
Burundi	Trainees	3	-	-	-	-	-	-
Cameroon	Trainees	11 (3)	2 (1)	- (-)	1 (-)	- (-)	1 (-)	- (-)
	Survey Team Members	5	5	-	-	-	-	-
Cape Verde	Survey Team Members	6 (4)	- (-)	6 (4)	- (-)	- (-)	- (-)	- (-)
Central Africa	Trainees	9 (2)	- (-)	- (-)	2 (2)	- (-)	- (-)	1 (-)
	Survey Team Members	2 (2)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
	Experts	3 (1)	- (-)	- (-)	1 (1)	- (-)	2 (-)	- (-)
Chad	Trainees	2	-	-	-	-	-	-
Comoro	Survey Team Members	4 (4)	- (-)	- (-)	- (-)	4 (4)	- (-)	- (-)
Congo	Trainees	2 (1)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
	Experts	3	-	-	-	-	-	-
Ethiopia	Trainees	260 (20)	17 (-)	1 (-)	20 (2)	5 (1)	21 (1)	23 (1)
	Survey Team Members	112	-	-	-	4	14	-
	Experts	71	3	-	12	-	3	1
	Volunteers	90 (5)	9 (-)	3 (-)	17 (2)	4 (-)	- (-)	3 (-)
Gabon	Trainees	12 (5)	6 (3)	3 (-)	- (-)	- (-)	- (-)	- (-)
	Survey Team Member	7	-	7	-	-	-	-
	Experts	1	-	1	-	-	-	-
Gambia	Trainees	3	-	-	-	-	-	-
	Survey Team Members	4 (4)	- (-)	4 (4)	- (-)	- (-)	- (-)	- (-)

Chemical Industry	Public Works	Transportation	Postal Services & Telecommunications	Health & welfare	Atomic Energy	Management Techniques	Education	Public Administration	Others
-	-	3	2	-	-	1	-	-	-
- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
2 (-)	2 (1)	6 (4)	15 (1)	1 (-)	- (-)	1 (-)	- (-)	5 (1)	2 (2)
- (-)	23 (16)	28 (-)	- (-)	- (-)	- (-)	- (-)	- (-)	46 (27)	- (-)
- (-)	1 (-)	- (-)	8 (2)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	7 (3)	16 (6)
-	-	-	-	1	-	-	-	-	-
125 (16)	230 (28)	429 (35)	820 (55)	378 (31)	3 (-)	136 (6)	57 (10)	754 (80)	116 (10)
105 (22)	152 (16)	151 (12)	128 (15)	56 (-)	- (-)	6 (-)	5 (-)	231 (54)	58 (7)
5 (-)	43 (6)	84 (10)	152 (12)	141 (22)	2 (2)	4 (-)	28 (-)	149 (12)	18 (2)
- (-)	- (-)	4 (-)	13 (3)	22 (-)	- (-)	- (-)	16 (3)	5 (1)	30 (5)
-	-	-	-	-	-	-	-	1	1
- (-)	- (-)	- (-)	2 (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
-	-	-	-	-	-	1	-	1	1
- (-)	- (-)	5 (-)	- (-)	1 (-)	- (-)	- (-)	- (-)	1 (1)	- (-)
-	-	-	-	-	-	-	-	-	-
- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
- (-)	- (-)	- (-)	4 (-)	- (-)	- (-)	- (-)	- (-)	1 (-)	1 (-)
- (-)	- (-)	- (-)	- (-)	2 (2)	- (-)	- (-)	- (-)	- (-)	- (-)
- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
-	-	-	2	-	-	-	-	-	-
- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	1 (1)	- (-)	1 (-)
-	-	-	-	-	-	-	-	-	3
6 (6)	18 (1)	16 (-)	76 (4)	9 (2)	- (-)	10 (1)	1 (-)	31 (1)	6 (-)
-	21	19	36	-	-	-	-	-	18
-	13	-	8	26	-	-	5	-	-
- (-)	2 (-)	11 (-)	15 (1)	15 (-)	- (-)	- (-)	3 (-)	4 (2)	4 (-)
- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	2 (2)	1 (-)
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	2	-	-	-	-	1	-
- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)

Region, Country, Organization	Sector							
	Type of Cooperation	Total	Agriculture	Fisheries	Construc- tion	Heavy Industries	Mining	Light Industries
Ghana	Trainees	287 (24)	25 (3)	14 (1)	8 (-)	6 (2)	1 (-)	29 (1)
	Survey Team Members	77 (4)	5 (-)	- (-)	22 (-)	- (-)	- (-)	10 (-)
	Experts	124 (14)	4 (-)	- (-)	- (-)	- (-)	- (-)	27 (-)
	Volunteers	69 (19)	3 (-)	2 (1)	14 (2)	4 (-)	- (-)	- (-)
Guinea	Trainees	14 (7)	1 (-)	- (-)	7 (4)	- (-)	- (-)	- (-)
	Survey Team Members	152 (36)	34 (-)	- (-)	111 (29)	7 (7)	- (-)	- (-)
	Experts	1	-	-	-	-	-	1
Guinea-Bissau	Survey Team Members	4 (4)	4 (4)	- (-)	- (-)	- (-)	- (-)	- (-)
Ivory Coast	Trainees	23 (3)	- (-)	9 (-)	1 (-)	- (-)	- (-)	- (-)
	Survey Team Members	9	-	4	-	-	-	5
	Experts	4	-	4	-	-	-	-
Kenya	Trainees	284 (47)	31 (11)	22 (2)	31 (6)	4 (2)	1 (1)	14 (-)
	Survey Team Members	285 (55)	12 (11)	8 (-)	132 (19)	- (-)	- (-)	- (-)
	Experts	251 (50)	30 (16)	5 (-)	12 (3)	5 (-)	6 (-)	6 (-)
	Volunteers	361 (61)	63 (8)	25 (3)	63 (20)	23 (1)	- (-)	9 (-)
Lesotho	Trainees	3	-	-	-	-	-	-
Liberia	Trainees	63 (10)	17 (5)	- (-)	6 (1)	1 (-)	- (-)	- (-)
	Survey Team Members	63 (19)	- (-)	- (-)	33 (-)	- (-)	- (-)	- (-)
	Experts	19	5	-	8	-	-	-
	Volunteers	7	1	-	-	2	-	-
Madagascar	Trainees	43 (6)	11 (2)	3 (2)	2 (-)	3 (-)	1 (1)	- (-)
	Survey Team Members	126 (26)	40 (7)	6 (6)	13 (-)	- (-)	7 (-)	- (-)
	Experts	20 (3)	17 (3)	- (-)	1 (-)	- (-)	- (-)	- (-)
Malawi	Trainees	10 (2)	6 (1)	- (-)	- (-)	- (-)	- (-)	- (-)
	Survey Team Members	11	-	-	-	11	-	-
	Experts	7	3	2	2	-	-	-
	Volunteers	327 (84)	18 (2)	5 (2)	74 (17)	20 (-)	- (-)	2 (-)
Mali	Trainees	14 (4)	2 (2)	- (-)	2 (-)	- (-)	3 (-)	- (-)
	Survey Team Members	87 (30)	39 (21)	- (-)	- (-)	- (-)	14 (-)	- (-)
	Experts	3	-	-	-	-	-	-
Mauritania	Trainees	4 (2)	- (-)	1 (1)	- (-)	- (-)	1 (1)	- (-)
	Experts	12 (1)	- (-)	11 (-)	- (-)	- (-)	- (-)	- (-)
Mauritius	Trainees	7	-	-	6	-	-	-
	Survey Team Members	80 (11)	- (-)	5 (5)	75 (6)	- (-)	- (-)	- (-)

Chemical Industry	Public Works	Transportation	Postal Services & Telecommunications	Health & welfare	Atomic Energy	Management Techniques	Education	Public Administration	Others
4 (2)	2 (-)	17 (-)	75 (3)	50 (6)	- (-)	13 (1)	3 (1)	33 (4)	7 (-)
- (-)	- (-)	- (-)	6 (-)	18 (4)	- (-)	- (-)	- (-)	2 (-)	14 (-)
- (-)	1 (-)	2 (-)	- (-)	80 (11)	- (-)	- (-)	- (-)	9 (3)	1 (-)
- (-)	1 (-)	- (-)	4 (4)	- (-)	- (-)	- (-)	34 (7)	1 (-)	6 (5)
2 (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	3 (3)	1 (-)
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
- (-)	- (-)	7 (2)	2 (-)	1 (1)	- (-)	- (-)	- (-)	2 (-)	- (-)
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
1 (-)	6 (2)	20 (1)	65 (9)	26 (2)	- (-)	14 (1)	5 (5)	37 (5)	7 (-)
- (-)	51 (25)	- (-)	15 (-)	11 (-)	- (-)	- (-)	6 (-)	31 (-)	19 (-)
- (-)	13 (2)	1 (-)	19 (7)	96 (8)	- (-)	4 (2)	2 (-)	51 (12)	1 (-)
- (-)	4 (-)	52 (-)	21 (3)	- (-)	- (-)	- (-)	72 (21)	14 (3)	15 (2)
-	-	-	1	-	-	-	-	2	-
- (-)	1 (-)	4 (1)	17 (1)	3 (-)	- (-)	8 (-)	- (-)	6 (2)	- (-)
- (-)	16 (5)	- (-)	- (-)	14 (14)	- (-)	- (-)	- (-)	- (-)	- (-)
-	1	-	3	1	-	-	1	-	-
-	-	-	1	-	-	-	-	3	-
- (-)	4 (-)	5 (-)	12 (1)	- (-)	- (-)	- (-)	- (-)	1 (-)	1 (-)
- (-)	41 (13)	- (-)	15 (-)	- (-)	- (-)	- (-)	- (-)	- (-)	4 (-)
- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	1 (-)	1 (-)
- (-)	- (-)	- (-)	2 (-)	- (-)	- (-)	2 (1)	- (-)	- (-)	- (-)
-	-	-	-	-	-	-	-	-	-
2 (-)	3 (-)	16 (-)	14 (3)	81 (26)	- (-)	- (-)	56 (22)	19 (9)	17 (3)
- (-)	- (-)	- (-)	4 (1)	- (-)	- (-)	- (-)	- (-)	2 (1)	1 (-)
- (-)	32 (9)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	2 (-)	- (-)
-	-	-	3	-	-	-	-	-	-
- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	1 (-)	1 (-)
- (-)	1 (1)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
-	-	1	-	-	-	-	-	-	-
- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)

Region, Country, Organization	Sector							
	Type of Cooperation	Total	Agriculture	Fisheries	Construc- tion	Heavy Industries	Mining	Light Industries
Niger	Trainees	5 (3)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
	Survey Team Members	40 (13)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
	Experts	8	-	-	-	2	4	-
Nigeria	Trainees	325 (46)	43 (1)	22 (-)	11 (-)	35 (26)	8 (1)	24 (-)
	Survey Team Members	122 (20)	21 (-)	- (-)	- (-)	- (-)	- (-)	- (-)
	Experts	85 (7)	5 (-)	2 (-)	7 (-)	- (-)	- (-)	- (-)
Rwanda	Trainees	10 (2)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
	Survey Team Members	17	-	-	-	-	-	-
	Experts	9	-	-	-	1	-	-
Senegal	Trainees	25 (5)	1 (-)	4 (2)	2 (-)	3 (3)	1 (-)	- (-)
	Survey Team Member	39 (10)	- (-)	- (-)	26 (-)	7 (7)	- (-)	- (-)
	Experts	10 (3)	- (-)	3 (-)	- (-)	- (-)	- (-)	- (-)
	Volunteers	3 (3)	1 (1)	1 (1)	- (-)	- (-)	- (-)	- (-)
Sierra Leone	Trainees	16 (5)	- (-)	- (-)	1 (-)	2 (2)	- (-)	- (-)
	Survey Team Members	23 (12)	8 (8)	4 (4)	11 (-)	- (-)	- (-)	- (-)
	Experts	1	-	-	-	-	-	-
Somalia	Trainees	21 (3)	1 (-)	4 (1)	- (-)	- (-)	- (-)	- (-)
	Survey Team Members	5 (5)	- (-)	5 (5)	- (-)	- (-)	- (-)	- (-)
	Experts	11 (2)	- (-)	11 (2)	- (-)	- (-)	- (-)	- (-)
Swaziland	Trainees	3 (1)	- (-)	- (-)	- (1)	1 (-)	- (-)	- (-)
	Survey Team Member	29 (6)	- (-)	- (-)	- (-)	- (-)	9 (6)	- (-)
	Experts	7 (1)	- (-)	- (-)	- (-)	2 (-)	2 (-)	1 (-)
Tanzania	Trainees	261 (30)	50 (8)	14 (1)	37 (2)	12 (4)	8 (1)	14 (3)
	Survey Team Members	355 (9)	70 (7)	- (-)	140 (-)	10 (-)	- (-)	23 (-)
	Experts	140 (12)	29 (4)	3 (-)	22 (1)	1 (-)	- (-)	9 (4)
	Volunteers	317 (19)	164 (13)	17 (-)	25 (1)	9 (-)	- (-)	7 (-)
Togo	Trainees	3	-	-	-	-	-	-
Uganda	Trainees	127 (5)	9 (1)	- (-)	2 (-)	6 (-)	2 (-)	10 (-)
	Survey Team Members	29	-	-	-	-	13	-
	Experts	69	-	-	9	1	-	13
Upper Volta	Trainees	7 (1)	- (-)	- (-)	- (-)	1 (-)	- (-)	- (-)
	Survey Team Members	6	-	-	-	-	-	-
	Experts	1	-	-	-	-	-	-
Zaire	Trainees	88 (8)	- (-)	- (-)	16 (3)	- (-)	28 (3)	- (-)
	Survey Team Members	98	-	-	46	-	-	-
	Experts	72 (10)	5 (1)	- (-)	43 (8)	1 (-)	4 (1)	- (-)

Chemical Industry	Public Works	Transportation	Postal Services & Telecommunications	Health & welfare	Atomic Energy	Management Techniques	Education	Public Administration	Others
- (-)	- (-)	- (-)	2 (1)	- (-)	- (-)	- (-)	- (-)	2 (2)	1 (-)
7 (-)	13 (13)	8 (-)	- (-)	- (-)	- (-)	- (-)	- (-)	12 (-)	- (-)
-	-	-	2	-	-	-	-	-	-
6 (-)	12 (1)	35 (6)	35 (1)	38 (1)	- (-)	12 (2)	5 (1)	34 34 (6)	5 (-)
7 (-)	- (-)	72 (16)	4 (-)	7 (4)	- (-)	- (-)	- (-)	4 (-)	7 (-)
- (-)	5 (-)	- (-)	8 (-)	43 (-)	- (-)	1 (1)	- (-)	12 (6)	2 (-)
- (-)	- (-)	6 (-)	3 (2)	- (-)	- (-)	- (-)	- (-)	- (-)	1 (-)
-	-	-	15	-	-	-	-	-	2
-	-	4	-	1	-	-	-	1	2
- (-)	- (-)	- (-)	2 (-)	- (-)	- (-)	- (-)	- (-)	2 (-)	10 (-)
- (-)	4 (1)	- (-)	2 (2)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	2 (-)	3 (3)	2 (-)
- (-)	- (-)	- (-)	- (-)	1 (1)	- (-)	- (-)	- (-)	- (-)	- (-)
- (-)	- (-)	3 (3)	4 (-)	1 (-)	- (-)	- (-)	2 (-)	3 (-)	- (-)
- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
-	-	-	-	1	-	-	-	-	-
- (-)	- (-)	5 (1)	5 (-)	1 (1)	- (-)	- (-)	- (-)	5 (-)	- (-)
- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
- (-)	- (-)	- (-)	2 (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
- (-)	- (-)	20 (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
- (-)	- (-)	- (-)	1 (1)	- (-)	- (-)	- (-)	- (-)	1 (-)	- (-)
8 (1)	4 (-)	24 (2)	30 (3)	22 (4)	- (-)	8 (1)	1 (-)	22 (-)	7 (-)
10 (-)	3 (-)	25 (-)	8 (-)	4 (-)	- (-)	- (-)	- (-)	39 (-)	23 (2)
2 (-)	1 (-)	11 (-)	9 (2)	13 (-)	- (-)	8 (-)	2 (-)	25 (1)	5 (-)
- (-)	2 (-)	19 (-)	5 (1)	6 (-)	- (-)	- (-)	45 (-)	12 (3)	6 (1)
-	-	1	-	-	-	-	-	1	1
7 (-)	- (-)	5 (-)	49 (3)	2 (-)	- (-)	6 (-)	3 (-)	23 (1)	3 (-)
-	-	-	9	-	-	-	-	7	-
-	2	2	15	-	-	-	1	23	3
- (-)	- (-)	- (-)	1 (-)	- (-)	- (-)	- (-)	- (-)	3 (1)	2 (-)
-	-	-	-	-	-	-	-	6	-
-	-	-	-	-	-	1	-	-	-
- (-)	- (-)	38 (1)	3 (-)	- (-)	- (-)	- (-)	- (-)	2 (1)	1 (-)
- (-)	- (-)	41 (-)	11 (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
- (-)	- (-)	14 (-)	- (-)	- (-)	- (-)	- (-)	4 (-)	- (-)	1 (-)

Region, Country, Organization	Sector Type of Cooperation	Sector						
		Total	Agriculture	Fisheries	Construc- tion	Heavy Industries	Mining	Light Industries
Zambia	Trainees	46 (6)	1 (-)	1 (-)	- (-)	- (-)	- (-)	- (-)
	Survey Team Members	53 (34)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
	Experts	5	-	-	-	-	-	-
	Volunteers	143 (7)	20 (2)	8 (-)	2 (-)	11 (-)	- (-)	- (-)
Zimbabwe	Survey Team Members	13 (13)	- (-)	- (-)	2 (2)	- (-)	- (-)	- (-)
Unspecified	Survey Team Members	228 (31)	6 (-)	23 (5)	4 (-)	- (-)	19 (10)	30 (-)
	Experts	13 (2)	- (-)	3 (-)	- (-)	- (-)	- (-)	- (-)
Total of Africa	Trainees	1,998 (252)	223 (38)	99 (10)	155 (20)	79 (41)	78 (10)	115 (5)
	Survey Team Members	2,111 (363)	244 (58)	72 (33)	615 (56)	43 (18)	96 (27)	68 (-)
	Experts	953 (106)	101 (24)	45 (2)	117 (13)	13 (-)	24 (1)	58 (4)
	Volunteers	1,317 (198)	279 (26)	61 (7)	195 (41)	73 (2)	- (-)	21 (-)

LATIN AMERICA

Argentina	Trainees	298 (29)	17 (3)	11 (2)	11 (-)	9 (1)	13 (3)	6 (-)
	Survey Team Members	95 (21)	15 (-)	- (-)	- (-)	- (-)	60 (21)	- (-)
	Experts	77 (8)	24 (5)	6 (-)	3 (-)	- (-)	4 (-)	- (-)
Barbados	Trainees	7 (2)	1 (-)	1 (-)	- (-)	2 (2)	- (-)	- (-)
Bolivia	Trainees	263 (13)	13 (-)	- (-)	40 (1)	3 (-)	36 (1)	1 (-)
	Survey Team Members	345 (63)	24 (-)	- (-)	96 (-)	19 (-)	80 (19)	- (-)
	Experts	117 (26)	3 (2)	6 (-)	2 (2)	4 (-)	29 (5)	- (-)
	Volunteers	19 (10)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
Brazil	Trainees	(5) (3) 1,052 (167)	(5) (3) 211 (30)	36 (3)	58 (13)	36 (5)	17 (6)	55 (9)
	Survey Team Members	502 (110)	225 (45)	5 (-)	41 (-)	20 (15)	26 (7)	23 (-)
	Experts	326 (58)	114 (21)	11 (-)	18 (7)	12 (2)	16 (3)	18 (-)
Chile	Trainees	287 (43)	10 (2)	34 (2)	27 (3)	20 (4)	18 (3)	9 (1)
	Survey Team Members	172 (33)	5 (5)	20 (8)	- (-)	12 (-)	81 (17)	- (-)
	Experts	113 (22)	2 (1)	34 (6)	4 (-)	12 (-)	17 (-)	- (-)
Colombia	Trainees	275 (38)	29 (1)	15 (3)	25 (6)	1 (-)	7 (1)	3 (-)
	Survey Team Members	188 (60)	12 (-)	24 (6)	76 (39)	- (-)	37 (10)	- (-)
	Experts	57 (5)	3 (-)	11 (3)	9 (-)	7 (-)	3 (-)	6 (1)
Costa Rica	Trainees	(1)	(1)	3 (-)	8 (1)	1 (1)	- (-)	- (-)
	Survey Team Members	120 (13)	12 (1)	- (-)	- (-)	- (-)	4 (4)	- (-)
	Experts	72 (15)	7 (-)	- (-)	- (-)	- (-)	- (-)	- (-)
	Volunteers	58 (7)	11 (2)	- (-)	13 (-)	- (-)	- (-)	- (-)
		35 (5)	4 (1)	1 (-)	- (-)	- (-)	- (-)	2 (2)

Chemical Industry	Public Works	Transportation	Postal Services & Telecommunications	Health & Welfare	Atomic Energy	Management Techniques	Education	Public Administration	Others
--(-)	--(-)	8(-)	17(2)	5(4)	--(-)	1(-)	1(-)	12(-)	--(-)
11(11)	--(-)	--(-)	21(11)	21(12)	--(-)	--(-)	--(-)	--(-)	--(-)
--	--	--	1	3	--	--	--	1	--
--(-)	--(-)	8(-)	72(4)	--(-)	--(-)	--(-)	6(-)	4(-)	12(1)
--(-)	--(-)	6(6)	--(-)	--(-)	--(-)	--(-)	--(-)	5(5)	--(-)
--(-)	5(-)	--(-)	--(-)	13(-)	--(-)	--(-)	--(-)	75(3)	53(13)
--(-)	--(-)	--(-)	--(-)	4(-)	--(-)	--(-)	--(-)	2(2)	4(-)
34(9)	47(4)	200(18)	417(31)	159(21)	--(-)	76(7)	22(8)	234(30)	60(-)
35(11)	186(66)	191(22)	142(13)	90(36)	--(-)	--(-)	6(-)	183(8)	140(15)
2(-)	37(3)	34(-)	69(10)	268(19)	--(-)	14(3)	12(-)	134(27)	25(-)
2(-)	12(-)	106(-)	132(16)	103(27)	--(-)	--(-)	216(50)	57(17)	60(12)
7(1)	28(1)	72(7)	49(4)	36(3)	1(-)	12(2)	--(-)	25(2)	1(-)
4(-)	6(-)	4(-)	--(-)	6(-)	--(-)	--(-)	--(-)	--(-)	--(-)
--(-)	--(-)	12(1)	--(-)	13(2)	--(-)	12(-)	--(-)	3(-)	--(-)
--(-)	--(-)	1(-)	--(-)	1(-)	--(-)	--(-)	--(-)	--(-)	--(-)
1(-)	16(1)	23(2)	58(2)	46(5)	--(-)	1(-)	4(1)	17(-)	4(-)
--(-)	19(4)	86(31)	5(-)	16(9)	--(-)	--(-)	--(-)	--(-)	--(-)
--(-)	1(-)	9(6)	8(-)	42(11)	--(-)	--(-)	8(-)	3(-)	2(-)
--(-)	--(-)	--(-)	--(-)	4(4)	--(-)	--(-)	2(2)	--(-)	13(4)
19(6)	81(7)	107(12)	87(13)	103(21)	2(-)	70(10)	15(4)	141(28)	14(-)
--(-)	6(-)	15(-)	--(-)	20(6)	--(-)	10(-)	--(-)	87(37)	23(-)
5(2)	10(-)	34(9)	7(1)	33(7)	7(1)	3(-)	8(-)	27(5)	3(-)
2(-)	13(3)	34(3)	24(5)	58(12)	--(-)	7(1)	8(-)	21(4)	2(-)
--(-)	26(3)	8(-)	5(-)	7(-)	--(-)	--(-)	--(-)	8(-)	--(-)
--(-)	5(-)	10(4)	1(-)	26(9)	--(-)	1(-)	--(-)	1(-)	--(-)
5(1)	27(-)	20(-)	65(-)	29(9)	--(-)	24(3)	--(-)	23(8)	2(-)
--(-)	39(5)	--(-)	--(-)	--(-)	--(-)	--(-)	--(-)	--(-)	--(-)
--(-)	3(-)	1(-)	4(-)	3(-)	--(-)	6(1)	--(-)	1(-)	--(-)
--(-)	11(-)	25(4)	22(1)	23(3)	--(-)	5(-)	--(-)	6(1)	4(1)
--(-)	7(-)	24(11)	--(-)	2(-)	--(-)	--(-)	--(-)	25(-)	3(-)
--(-)	3(-)	12(3)	--(-)	13(2)	--(-)	--(-)	1(-)	5(-)	--(-)
--(-)	--(-)	--(-)	1(-)	2(-)	--(-)	--(-)	6(-)	--(-)	19(2)

Region, Country, Organization	Sector							
	Type of Cooperation	Total	Agriculture	Fisheries	Construc- tion	Heavy Industries	Mining	Light Industries
Cuba	Trainees	23 (2)	7 (-)	2 (-)	- (-)	2 (-)	- (-)	2 (1)
Dominican Republic	Trainees	64 (8)	15 (2)	- (-)	2 (-)	- (-)	- (-)	2 (-)
	Survey Team Members	40 (18)	30 (17)	- (-)	- (-)	- (-)	- (-)	- (-)
	Experts	16 (2)	2 (-)	- (-)	1 (-)	- (-)	- (-)	- (-)
Ecuador	Trainees	143 (15)	11 (2)	17 (-)	20 (1)	- (-)	6 (-)	3 (-)
	Survey Team Members	67 (20)	34 (14)	6 (6)	- (-)	- (-)	3 (-)	- (-)
	Experts	59 (6)	7 (-)	- (-)	1 (-)	- (-)	12 (-)	1 (-)
El Salvador	Trainees	86 (1)	2 (-)	- (-)	4 (-)	3 (-)	2 (-)	11 (-)
	Survey Team Members	27	-	-	13	9	-	-
	Experts	30	-	-	-	7	-	-
	Volunteers	73	4	-	1	-	-	-
Grenada	Trainees	3	2	-	-	-	-	-
Guatemala	Trainees	117 (13)	10 (-)	- (-)	5 (1)	- (-)	9 (-)	- (-)
	Survey Team Members	127 (12)	5 (-)	- (-)	- (-)	- (-)	55 (9)	- (-)
	Experts	99 (29)	- (-)	1 (-)	7 (-)	- (-)	1 (-)	- (-)
Guyana	Trainees	21 (3)	7 (1)	3 (-)	- (-)	- (-)	- (-)	- (-)
	Survey Team Members	10 (6)	- (-)	10 (6)	- (-)	- (-)	- (-)	- (-)
	Experts	2	-	2	-	-	-	-
Haiti	Trainees	8 (2)	3 (-)	- (-)	- (-)	- (-)	- (-)	- (-)
	Survey Team Members	2	-	-	-	-	-	-
	Experts	1	-	-	-	-	-	-
Honduras	Trainees	91 (13)	8 (2)	1 (-)	9 (1)	- (-)	5 (-)	- (-)
	Survey Team Members	137 (13)	40 (8)	10 (5)	14 (-)	- (-)	46 (-)	- (-)
	Experts	9 (2)	3 (1)	- (-)	1 (-)	- (-)	- (-)	- (-)
	Volunteers	62 (21)	10 (4)	11 (3)	- (-)	3 (1)	- (-)	- (-)
Jamaica	Trainees	18 (2)	5 (1)	- (-)	- (-)	- (-)	2 (1)	- (-)
	Experts	3 (2)	2 (2)	- (-)	- (-)	- (-)	- (-)	- (-)
Mexico	Trainees	1,194 (147)	76 (5)	137 (24)	27 (4)	216 (25)	36 (5)	106 (16)
	Survey Team Members	238 (97)	29 (10)	- (-)	7 (-)	6 (6)	86 (22)	13 (13)
	Experts	150 (28)	12 (2)	26 (4)	6 (4)	2 (-)	11 (4)	2 (2)
Nicaragua	Trainees	43	2	5	6	-	3	-
	Experts	15	1	10	-	-	-	-

Chemical Industry	Public Works	Transportation	Postal Services & Telecommunications	Health & Welfare	Atomic Energy	Management Techniques	Education	Public Administration	Others
- (-)	- (-)	4 (1)	3 (-)	2 (-)	- (-)	1 (-)	- (-)	- (-)	- (-)
- (-)	7 (2)	10 (-)	5 (2)	13 (2)	- (-)	9 (-)	- (-)	1 (-)	- (-)
- (-)	10 (1)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
- (-)	- (-)	- (-)	- (-)	5 (1)	- (-)	1 (1)	- (-)	1 (-)	- (-)
2 (-)	20 (1)	8 (-)	21 (6)	11 (3)	- (-)	8 (1)	- (-)	13 (1)	3 (-)
- (-)	17 (-)	- (-)	- (-)	7 (-)	- (-)	- (-)	- (-)	- (-)	- (-)
8 (-)	8 (1)	1 (-)	2 (2)	13 (3)	- (-)	- (-)	- (-)	4 (-)	2 (-)
4 (-)	2 (-)	5 (-)	20 (-)	11 (1)	- (-)	1 (-)	4 (-)	11 (-)	6 (-)
-	-	5	-	-	-	-	-	-	-
1	1	6	8	1	-	-	2	4	-
1	-	1	1	-	-	1	35	-	29
-	-	1	-	-	-	-	-	-	-
1 (1)	8 (-)	18 (-)	40 (5)	17 (4)	- (-)	5 (1)	- (-)	- (-)	4 (1)
- (-)	24 (-)	24 (-)	- (-)	19 (3)	- (-)	- (-)	- (-)	- (-)	- (-)
- (-)	5 (-)	- (-)	7 (1)	70 (25)	- (-)	- (-)	- (-)	8 (3)	- (-)
1 (1)	3 (-)	- (-)	5 (1)	- (-)	- (-)	1 (-)	- (-)	- (-)	- (-)
- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
- (-)	- (-)	- (-)	1 (-)	2 (2)	- (-)	2 (-)	- (-)	- (-)	- (-)
-	-	-	-	2	-	-	-	-	-
-	-	-	-	1	-	-	-	-	-
3 (1)	- (-)	7 (1)	31 (5)	15 (1)	- (-)	3 (-)	1 (-)	8 (1)	- (-)
- (-)	- (-)	27 (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
- (-)	- (-)	- (-)	1 (1)	3 (-)	- (-)	- (-)	- (-)	1 (-)	- (-)
3 (-)	- (-)	- (-)	7 (3)	2 (2)	- (-)	- (-)	2 (1)	2 (1)	22 (6)
- (-)	- (-)	3 (-)	- (-)	- (-)	- (-)	3 (-)	- (-)	5 (-)	- (-)
- (-)	- (-)	- (-)	- (-)	1 (-)	- (-)	- (-)	- (-)	- (-)	- (-)
57 (8)	22 (3)	97 (15)	158 (7)	84 (19)	6 (-)	53 (2)	21 (2)	48 (10)	50 (2)
- (-)	- (-)	83 (43)	11 (-)	- (-)	- (-)	- (-)	- (-)	3 (3)	- (-)
3 (1)	6 (6)	13 (-)	53 (3)	2 (-)	- (-)	- (-)	6 (-)	6 (2)	2 (-)
-	4	1	15	-	-	4	-	3	-
-	-	-	2	2	-	-	-	-	-

Region, Country, Organization	Sector							
	Type of Cooperation	Total	Agriculture	Fisheries	Construc- tion	Heavy Industries	Mining	Light Industries
Panama	Trainees	114 (28)	8 (-)	5 (-)	12 (5)	- (-)	10 (6)	1 (-)
	Survey Team Members	81 (42)	- (-)	5 (5)	42 (3)	- (-)	- (-)	- (-)
	Experts	13 (1)	1 (-)	1 (-)	- (-)	- (-)	2 (-)	- (-)
Paraguay	Trainees	(1) 260 (51)	(1) 65 (14)	1 (-)	2 (1)	2 (-)	- (-)	2 (1)
	Survey Team Members	298 (88)	139 (41)	- (-)	17 (-)	2 (-)	- (-)	16 (10)
	Experts	103 (22)	49 (11)	- (-)	- (-)	- (-)	- (-)	1 (-)
	Volunteers	23 (4)	12 (2)	1 (-)	- (-)	- (-)	- (-)	- (-)
Peru	Trainees	593 (70)	26 (6)	54 (6)	66 (9)	17 (2)	47 (6)	15 (4)
	Survey Team Members	427 (39)	15 (5)	46 (5)	8 (-)	7 (-)	218 (18)	- (-)
	Experts	174 (32)	6 (3)	33 (2)	25 (4)	3 (1)	19 (6)	1 (-)
	Volunteers	5 (4)	- (-)	1 (1)	- (-)	- (-)	- (-)	- (-)
Puerto Rico	Experts	1	-	-	-	-	-	-
Surinam	Experts	6	-	6	-	-	-	-
Trinidad and Tobago	Trainees	17 (2)	7 (-)	2 (-)	- (-)	- (-)	- (-)	- (-)
	Survey Team Members	15	15	-	-	-	-	-
	Experts	8	7	-	-	-	-	1
Uruguay	Trainees	71 (13)	15 (7)	4 (-)	- (-)	- (-)	- (-)	4 (2)
	Survey Team Members	37 (22)	20 (5)	- (-)	- (-)	- (-)	- (-)	17 (17)
	Experts	28 (8)	16 (6)	- (-)	- (-)	- (-)	- (-)	2 (-)
Venezuela	Trainees	134 (23)	6 (-)	5 (3)	14 (3)	9 (1)	1 (-)	5 (1)
	Survey Team Members	53 (13)	- (-)	- (-)	- (-)	19 (13)	6 (-)	- (-)
	Experts	44 (16)	- (-)	1 (-)	14 (8)	- (-)	- (-)	- (-)
Antilles	Trainees	1	-	-	-	-	-	-
	Experts	1	-	-	-	-	-	-
Unspecified	Survey Team Members	200 (40)	33 (14)	- (-)	5 (-)	- (-)	42 (7)	16 (-)
	Experts	50 (19)	4 (3)	- (-)	3 (-)	- (-)	- (-)	- (-)
Total for Latin America	Trainees	(7) (3) 5,303 (698)	(7) (3) 568 (77)	336 (43)	336 (49)	322 (41)	212 (33)	225 (35)
	Survey Team Members	3,133 (712)	648 (164)	126 (41)	319 (42)	94 (34)	744 (134)	85 (40)
	Experts	1,554 (293)	267 (59)	148 (17)	107 (25)	47 (3)	114 (18)	32 (3)
	Volunteers	217 (44)	30 (7)	14 (4)	1 (-)	3 (1)	- (-)	2 (2)

OCEANIA AND EUROPE

Vanuatu	Survey Team Members	6	6	-	-	-	-	-
---------	---------------------	---	---	---	---	---	---	---

Chemical Industry	Public Works	Transportation	Postal Services & Telecommunications	Health & Welfare	Atomic Energy	Management Techniques	Education	Public Administration	Others
- (-)	2 (-)	10 (4)	32 (7)	13 (3)	1 (-)	6 (1)	1 (-)	13 (2)	- (-)
- (-)	- (-)	21 (21)	10 (10)	3 (3)	- (-)	- (-)	- (-)	- (-)	- (-)
- (-)	- (-)	- (-)	8 (-)	- (-)	- (-)	- (-)	- (-)	1 (1)	- (-)
2 (-)	7 (1)	13 (1)	57 (13)	32 (6)	- (-)	23 (2)	- (-)	52 (11)	2 (1)
- (-)	4 (-)	43 (-)	31 (12)	21 (18)	- (-)	- (-)	- (-)	21 (7)	4 (-)
- (-)	- (-)	2 (-)	18 (6)	8 (2)	- (-)	1 (1)	- (-)	24 (2)	- (-)
- (-)	- (-)	- (-)	1 (-)	4 (-)	- (-)	- (-)	- (-)	1 (-)	4 (2)
7 (2)	38 (4)	48 (3)	141 (15)	31 (2)	1 (-)	38 (2)	5 (-)	51 (8)	8 (1)
- (-)	52 (7)	- (-)	44 (-)	19 (4)	- (-)	- (-)	- (-)	18 (-)	- (-)
2 (-)	5 (-)	2 (-)	41 (6)	11 (4)	- (-)	1 (-)	2 (-)	23 (6)	- (-)
- (-)	- (-)	1 (1)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	3 (2)
-	-	-	-	1	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
- (-)	- (-)	1 (-)	5 (2)	- (-)	- (-)	2 (-)	- (-)	- (-)	- (-)
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
- (-)	1 (-)	5 (-)	17 (1)	15 (3)	- (-)	2 (-)	- (-)	8 (-)	- (-)
- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
2 (2)	- (-)	5 (-)	2 (-)	- (-)	- (-)	- (-)	- (-)	1 (-)	- (-)
3 (1)	11 (3)	22 (2)	23 (1)	4 (1)	- (-)	16 (2)	2 (1)	11 (4)	2 (-)
3 (-)	- (-)	14 (-)	- (-)	- (-)	- (-)	6 (-)	- (-)	5 (-)	- (-)
4 (2)	5 (3)	4 (-)	8 (-)	3 (3)	- (-)	- (-)	- (-)	3 (-)	2 (-)
-	1	-	-	-	-	-	-	-	-
1	-	-	-	-	-	-	-	-	-
- (-)	- (-)	15 (-)	2 (-)	12 (-)	- (-)	- (-)	- (-)	52 (13)	23 (6)
- (-)	- (-)	- (-)	15 (6)	20 (2)	- (-)	- (-)	- (-)	8 (8)	- (-)
114 (22)	302 (26)	535 (55)	879 (96)	546 (100)	11 (-)	297 (27)	61 (8)	457 (80)	102 (6)
7 (-)	210 (20)	370 (106)	108 (22)	134 (43)	- (-)	15 (-)	- (-)	219 (60)	53 (6)
26 (7)	52 (10)	111 (23)	185 (26)	271 (71)	7 (1)	25 (3)	27 (-)	124 (27)	11 (-)
4 (-)	- (-)	2 (1)	10 (3)	12 (6)	- (-)	1 (-)	45 (3)	3 (1)	90 (16)
-	-	-	-	-	-	-	-	-	-

Region, Country, Organization	Sector							
	Type of Cooperation	Total	Agriculture	Fisheries	Construc- tion	Heavy Industries	Mining	Light Industries
Fiji	Trainees	55 (14)	6 (1)	8 (1)	2 (-)	1 (-1)	1 (-)	2 (-)
	Survey Team Members	64 (30)	45 (17)	11 (5)	- (-)	- (-)	- (-)	- (-)
	Experts	21 (4)	3 (1)	3 (2)	- (-)	- (-)	- (-)	- (-)
Kiribati	Trainees	3	-	3	-	-	-	-
	Survey Team Members	20	-	20	-	-	-	-
	Experts	3 (2)	- (-)	3 (2)	- (-)	- (-)	- (-)	- (-)
Mariana Islands	Trainees	1	-	-	-	-	-	-
Micronesia	Trainees	6 (2)	1 (-)	2 (1)	- (-)	- (-)	- (-)	- (-)
	Survey Team Members	34 (4)	6 (-)	28 (4)	- (-)	- (-)	- (-)	- (-)
	Experts	35 (9)	1 (-)	33 (9)	- (-)	- (-)	- (-)	- (-)
Papua New Guinea	Trainees	(6) (2)	(6) (2)	6 (1)	6 (3)	5 (-)	1 (-)	- (-)
	Survey Team Members	89 (26)	9 (2)	62 (17)	35 (-)	- (-)	- (-)	- (-)
	Experts	16 (5)	2 (-)	9 (2)	3 (3)	- (-)	- (-)	- (-)
	Volunteers	7 (7)	1 (1)	1 (1)	1 (1)	- (-)	- (-)	- (-)
Solomon Islands	Trainees	9 (6)	2 (2)	1 (1)	- (-)	- (-)	- (-)	- (-)
	Survey Team Members	63 (14)	9 (5)	12 (6)	- (-)	- (-)	5 (3)	- (-)
	Experts	3 (1)	- (-)	1 (1)	- (-)	- (-)	- (-)	- (-)
	Volunteers	2	2	-	-	-	-	-
Tonga	Trainees	18 (4)	- (-)	8 (1)	- (-)	1 (-)	- (-)	- (-)
	Survey Team Members	10 (10)	- (-)	5 (5)	- (-)	- (-)	- (-)	- (-)
	Experts	3 (1)	- (-)	3 (1)	- (-)	- (-)	- (-)	- (-)
	Volunteers	13 (3)	1 (-)	10 (3)	- (-)	2 (-)	- (-)	- (-)
Western Samoa	Trainees	27 (5)	2 (1)	3 (-)	-	-	-	-
	Survey Team Members	5 (5)	- (-)	- (-)	-	-	-	-
	Experts	5 (2)	3 (-)	1 (1)	-	-	-	-
	Volunteers	56 (7)	7 (-)	10 (1)	17 (1)	7 (2)	-	-
Cyprus	Trainees	6	1	-	-	-	-	-
Greece	Trainees	1	-	-	-	-	-	-
Malta	Trainees	3	-	-	-	-	-	2
	Survey Team Members	16	-	-	16	-	-	-
	Experts	10	-	-	-	7	-	-
Yugoslavia	Trainees	4 (3)	- (-)	- (-)	1 (1)	- (-)	- (-)	- (-)
	Experts	7	2	-	3	-	-	-

Chemical Industry	Public Works	Transportation	Postal Services & Telecommunications	Health & Welfare	Atomic Energy	Management Techniques	Education	Public Administration	Others
- (-)	- (-)	2 (1)	13 (3)	1 (-)	- (-)	1 (-)	- (-)	12 (5)	6 (2)
- (-)	8 (8)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
- (-)	- (-)	2 (-)	9 (1)	1 (-)	- (-)	- (-)	- (-)	- (-)	3 (-)
-	-	-	-	-	-	-	-	-	-
- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
-	-	-	-	-	-	-	-	-	1
- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	1 (1)	2 (-)
- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	1 (-)	- (-)
- (-)	3 (1)	10 (2)	9 (6)	4 (1)	- (-)	5 (1)	3 (-)	18 (6)	10 (3)
- (-)	64 (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	11 (-)	- (-)
- (-)	- (-)	- (-)	- (-)	2 (-)	- (-)	- (-)	- (-)	- (-)	- (-)
- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	1 (1)	1 (1)	2 (2)
- (-)	- (-)	- (-)	5 (3)	- (-)	- (-)	- (-)	1 (-)	- (-)	- (-)
- (-)	- (-)	- (-)	23 (-)	- (-)	- (-)	- (-)	- (-)	14 (-)	- (-)
- (-)	- (-)	2 (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
-	-	-	-	-	-	-	-	-	-
- (-)	- (-)	2 (-)	- (-)	- (-)	- (-)	- (-)	- (-)	7 (3)	- (-)
- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	5 (5)	- (-)	- (-)
- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
-	-	4	1	3	-	1	-	6	7
-	-	-	-	-	-	-	5	-	-
-	-	-	-	-	-	-	-	1	-
-	-	2	2	5	-	-	-	5	1
-	-	1	2	1	-	1	-	-	-
-	-	-	1	-	-	-	-	-	-
-	-	-	-	-	-	1	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	3	-	-	-	-	-	-	-
- (-)	- (-)	3 (2)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
-	-	-	-	1	-	-	-	1	-

Region, Country, Organization	Sector							
	Type of Cooperation	Total	Agriculture	Fisheries	Construc- tion	Heavy Industries	Mining	Light Industries
Others	Trainees	22	6	2	--	--	--	3
	Survey Team Members	3	--	--	--	--	--	--
	Experts	10	--	--	9	--	--	--
Unspecified	Survey Team Members	38 (27)	6 (6)	7 (7)	-- (-)	-- (-)	-- (-)	-- (-)
	Experts	10 (4)	1 (-)	2 (-)	-- (-)	-- (-)	-- (-)	-- (-)
Total for Oceania and Europe	Trainees	(6) (2)	(6) (2)	33 (5)	9 (4)	7 (1)	2 (-)	7 (-)
	Survey Team Members	244 (60)	27 (6)	118 (27)	16 (-)	-- (-)	5 (3)	-- (-)
	Experts	431 (107)	134 (45)	55 (18)	15 (3)	7 (-)	-- (-)	-- (-)
	Volunteers	123 (28)	12 (1)	21 (5)	18 (2)	9 (2)	-- (-)	-- (-)
Subtotal	Trainees	(133) (22)	(133) (22)	1,685 (96)	2,421 (246)	1,335 (245)	814 (87)	1,923 (133)
	Survey Team Members	36,038(3,224)	6,443 (427)	592 (142)	3,416 (309)	555 (143)	1,783 (327)	383 (82)
	Experts	19,277(3,349)	3,660 (725)	630 (64)	946 (111)	275 (53)	388 (35)	334 (25)
	Volunteers	10,042(1,463)	1,996 (312)	184 (31)	411 (57)	159 (8)	10 (-)	102 (3)

INTERNATIONAL ORGANIZATION

ADB	Experts	2	--	--	--	--	--	--
ADC	Experts	2	--	--	--	--	--	--
AFDB	Experts	3	--	--	--	--	--	--
AIT	Experts	52 (8)	-- (-)	-- (-)	15 (4)	-- (-)	1 (1)	-- (-)
AOPU	Experts	2	--	--	--	--	--	--
APDAC	Experts	1	--	--	--	--	--	--
APT	Trainees	1 (1)	-- (-)	-- (-)	-- (-)	-- (-)	-- (-)	-- (-)
	Experts	4 (1)	-- (-)	-- (-)	-- (-)	-- (-)	-- (-)	-- (-)
ASPAC	Trainees	8	8	--	--	--	--	--
	Experts	8	--	--	--	--	1	--
ASPAC-FFTC	Trainees	42 (10)	34 (10)	-- (-)	-- (-)	-- (-)	-- (-)	-- (-)
	Experts	1 (1)	1 (1)	-- (-)	-- (-)	-- (-)	-- (-)	-- (-)
AURDC	Trainees	11	11	--	--	--	--	--
	Experts	5 (2)	5 (2)	-- (-)	-- (-)	-- (-)	-- (-)	-- (-)
CP	Experts	1	--	--	--	--	--	--

Chemical Industry	Public Works	Transportation	Postal Services & Telecommunications	Health & Welfare	Atomic Energy	Management Techniques	Education	Public Administration	Others
-	-	-	-	1	-	-	2	1	7
-	-	-	-	1	-	-	-	3	-
- (-)	4 (- 4)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	17 (- 8)	4 (- 2)
- (-)	- (-)	- (-)	- (-)	2 (- 2)	- (-)	- (-)	- (-)	3 (- 2)	2 (-)
- (-)	3 (- 1)	22 (- 5)	31 (- 12)	10 (- 2)	- (-)	9 (- 1)	6 (-)	45 (- 17)	33 (- 6)
- (-)	76 (- 12)	- (-)	23 (-)	- (-)	- (-)	- (-)	10 (- 10)	45 (- 8)	4 (- 2)
- (-)	- (-)	7 (-)	9 (- 1)	7 (- 2)	- (-)	- (-)	- (-)	6 (- 3)	5 (-)
- (-)	- (-)	2 (-)	2 (- 1)	5 (-)	- (-)	- (-)	1 (- 1)	6 (- 3)	3 (- 2)
738 (95)	1,141 (132)	3,289 (289)	3,816 (339)	3,413 (343)	64 (12)	1,232 (109)	911 (39)	5,340 (495)	1,472 (137)
393 (71)	1,685 (394)	2,043 (331)	970 (146)	791 (279)	- (-)	40 (-)	32 (14)	1,501 (313)	1,433 (73)
88 (19)	315 (27)	585 (79)	894 (97)	2,017 (396)	11 (5)	105 (26)	301 (23)	937 (169)	220 (22)
18 (2)	49 (-)	139 (1)	270 (35)	243 (41)	- (-)	1 (-)	450 (65)	93 (32)	287 (59)
-	-	2	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	2	-
-	-	3	-	-	-	-	-	-	-
1 (-)	- (-)	5 (-)	- (-)	- (-)	- (-)	3 (- 3)	22 (-)	- (-)	5 (-)
-	-	-	2	-	-	-	-	-	-
-	-	-	-	-	-	-	-	1	-
- (-)	- (-)	- (-)	1 (1)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
- (-)	- (-)	- (-)	4 (1)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
-	-	-	-	-	-	-	-	-	-
-	-	2	-	-	-	-	1	4	-
- (-)	- (-)	1 (-)	- (-)	7 (-)	- (-)	- (-)	- (-)	- (-)	- (-)
- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
-	-	-	-	-	-	-	-	-	-
- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
-	-	-	-	-	-	-	-	1	-

Region, Country, Organization	Sector Type of Cooperation	Sector						
		Total	Agriculture	Fisheries	Construc- tion	Heavy Industries	Mining	Light Industries
CPSG	Experts	12 (3)	-- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
ECA	Experts	11 (1)	-- (-)	- (-)	5 (-)	- (-)	1 (1)	1 (-)
ECLA	Experts	6	-	-	-	-	-	-
ESCAP	Trainees	34 (3)	10 (3)	- (-)	- (-)	- (-)	1 (-)	- (-)
	Experts	190 (20)	18 (2)	1 (-)	32 (1)	10 (1)	31 (3)	3 (-)
ECOCEN	Experts	1	-	-	-	-	-	-
EROPA	Experts	1	-	-	-	-	-	-
FAO	Trainees	55 (3)	32 (3)	18 (-)	2 (-)	1 (-)	- (-)	- (-)
	Experts	1	1	-	-	-	-	-
IAEA	Trainees	52 (3)	4 (-)	1 (-)	- (-)	- (-)	- (-)	1 (-)
	Experts	8 (4)	-- (-)	- (-)	- (-)	- (-)	- (-)	-- (-)
IBRD	Trainees	22 (1)	22 (1)	- (-)	- (-)	- (-)	- (-)	- (-)
ICAO	Trainees	2	-	-	-	-	-	-
IDA	Trainees	3	-	-	-	-	-	-
HTA	Experts	1 (1)	1 (1)	- (-)	- (-)	- (-)	- (-)	- (-)
ILO	Trainees	98 (10)	4 (1)	- (-)	1 (1)	1 (-)	2 (-)	8 (-)
	Experts	4	-	-	-	-	-	-
IMCO	Trainees	23	-	-	-	15	-	-
ISVS	Experts	1	-	-	-	-	-	-
ITU	Trainees	84 (15)	-- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
	Experts	15 (2)	-- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
MECON	Experts	3	1	-	2	-	-	-
OAS	Experts	11	9	-	-	1	-	-
OECD	Trainees	3	-	-	-	2	-	-
	Experts	2	-	-	-	-	-	-
SEAFDEC	Trainees	109 (27)	-- (-)	109 (27)	- (-)	- (-)	- (-)	- (-)
	Experts	162 (19)	-- (-)	153 (19)	1 (-)	- (-)	- (-)	- (-)

Chemical Industries	Public Works	Transportation	Postal Services & Telecommunications	Health & Welfare	Atomic Energy	Management Techniques	Education	Public Administration	Others
- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	9 (-)	3 (3)	- (-)
- (-)	- (-)	1 (-)	- (-)	2 (-)	- (-)	- (-)	- (-)	1 (-)	- (-)
-	-	-	-	-	-	-	-	6	-
- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	3 (-)	- (-)	- (-)	20 (-)
5 (-)	- (-)	42 (9)	5 (-)	1 (-)	- (-)	5 (3)	6 (-)	14 (1)	17 (-)
-	-	-	-	-	-	-	-	1	-
-	-	-	-	-	-	-	-	1	-
1 (-)	- (-)	- (-)	- (-)	1 (-)	- (-)	- (-)	- (-)	- (-)	- (-)
-	-	-	-	-	-	-	-	-	-
1 (-)	- (-)	1 (-)	- (-)	6 (1)	36 (1)	- (-)	- (-)	1 (1)	1 (-)
1 (-)	3 (-)	- (-)	- (-)	4 (4)	- (-)	- (-)	- (-)	- (-)	- (-)
- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
-	-	2	-	-	-	-	-	-	-
-	-	-	3	-	-	-	-	-	-
- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
- (-)	1 (1)	2 (-)	- (-)	5 (-)	- (-)	4 (-)	- (-)	68 (7)	2 (-)
-	-	-	-	-	-	-	-	4	-
-	-	8	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	1
- (-)	- (-)	- (-)	83 (15)	- (-)	- (-)	- (-)	- (-)	- (-)	1 (-)
- (-)	- (-)	- (-)	15 (2)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	1	-	-	-
-	-	-	-	-	-	-	-	1	-
-	-	-	-	-	-	-	1	1	-
- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
- (-)	- (-)	- (-)	4 (-)	- (-)	- (-)	- (-)	- (-)	4 (-)	- (-)

Region, Country, Organization	Sector Type of Cooperation	Total	Sector					
			Agriculture	Fisheries	Construc- tion	Heavy Industries	Mining	Light Industries
SEAMEO	Trainees	13 (5)	- (-)	1 (-)	- (-)	- (-)	- (-)	1 (-)
	Experts	3 (1)	2 (1)	- (-)	- (-)	- (-)	- (-)	- (-)
SEARCA	Trainees	1	-	-	-	-	-	-
	Experts	6	6	-	-	-	-	-
SEATAC	Trainees	12 (12)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
	Experts	5	-	-	-	-	-	-
TNA	Trainees	3 (2)	1 (1)	- (-)	- (-)	- (-)	- (-)	- (-)
	Experts	35 (15)	- (-)	- (-)	- (-)	32 (15)	- (-)	- (-)
UN	Trainees	62	17	-	6	1	1	4
	Experts	3	-	-	-	-	-	-
UNCTAD	Experts	1	-	-	-	-	-	-
UNDP	Trainees	11 (4)	- (-)	- (-)	1 (1)	1 (1)	- (-)	- (-)
UNESCO	Trainees	53 (9)	2 (-)	1 (-)	- (-)	3 (-)	- (-)	1 (1)
	Experts	1	-	-	-	-	-	-
UNIC	Trainees	2	-	-	-	-	-	-
UNIDO	Trainees	109 (21)	- (-)	- (-)	- (-)	37 (-)	1 (-)	40 (19)
	Experts	3	-	-	-	1	-	-
UNDRO	Experts	2	-	-	2	-	-	-
UPU	Trainees	8	-	-	-	-	-	-
UNV	Experts	1	-	-	-	-	-	-
WARDA	Experts	7 (1)	6 (1)	- (-)	- (-)	- (-)	- (-)	- (-)
WHO	Trainees	121 (43)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
	Experts	3 (1)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
WMO	Trainees	3	-	-	-	-	-	-
WIPO	Trainees	2	-	-	-	-	-	-
Unspecified	Trainees	1,479	176	53	146	15	16	42
Subtotal	Trainees	2,419 (169)	321 (19)	183 (27)	156 (2)	76 (1)	21 (-)	97 (20)
	Experts	578 (80)	50 (8)	154 (19)	57 (5)	44 (16)	34 (5)	4 (-)

Chemical Industries	Public Works	Transportation	Postal Services & Telecommunications	Health & Welfare	Atomic Energy	Management Techniques	Education	Public Administration	Others
- (-)	- (-)	- (-)	- (-)	6 (1)	- (-)	- (-)	5 (4)	- (-)	- (-)
- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	1 (-)
1	-	-	-	-	-	-	-	-	-
- (-)	- (-)	12 (12)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
-	-	5	-	-	-	-	-	-	-
1 (1)	- (-)	- (-)	- (-)	- (-)	- (-)	1 (-)	- (-)	- (-)	- (-)
- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	3 (-)	- (-)	- (-)	- (-)
-	14	1	3	-	-	3	4	7	1
-	-	-	-	+	-	-	-	-	3
-	-	-	-	-	-	-	-	1	-
1 (-)	1 (-)	2 (-)	- (-)	- (-)	1 (-)	- (-)	- (-)	2 (2)	2 (-)
- (-)	- (-)	- (-)	2 (-)	1 (1)	- (-)	- (-)	38 (5)	1 (-)	4 (2)
-	-	-	-	-	-	-	1	-	-
-	-	1	-	-	-	-	-	-	1
9 (2)	- (-)	- (-)	1 (-)	- (-)	3 (-)	5 (-)	- (-)	1 (-)	3 (-)
1	-	-	-	-	-	-	-	-	1
-	-	-	-	-	-	-	-	-	-
-	-	-	8	-	-	-	-	-	-
-	-	-	-	-	-	-	-	1	-
- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	1 (-)	- (-)
- (-)	- (-)	- (-)	- (-)	121 (43)	- (-)	- (-)	- (-)	- (-)	- (-)
- (-)	- (-)	- (-)	- (-)	3 (1)	- (-)	- (-)	- (-)	- (-)	- (-)
-	-	2	-	-	-	-	-	-	1
-	-	-	-	-	-	-	-	-	2
6	7	89	110	83	248	84	25	145	234
20 (3)	23 (1)	121 (12)	213 (16)	230 (46)	288 (1)	100 (-)	72 (9)	226 (10)	272 (2)
8 (-)	3 (-)	60 (9)	28 (3)	10 (5)	- (-)	12 (6)	40 (-)	46 (4)	28 (-)

Region, Country, Organization	Sector							
	Type of Cooperation	Total	Agriculture	Fisheries	Construc- tion	Heavy Industries	Mining	Light Industries
Total	Trainees	(133) (22)	(133) (22)	1,869 (123)	2,577 (248)	1,411 (246)	835 (87)	2,020 (153)
	Survey Team Members	38,457(3,393)	6,764 (446)	592 (142)	3,416 (309)	555 (143)	1,783 (327)	383 (82)
	Experts	10,620(1,543)	2,046 (320)	784 (83)	1,003 (116)	319 (69)	422 (40)	338 (25)
	Volunteers	3,520 (410)	1,104 (76)	184 (31)	411 (57)	159 (8)	10 (-)	102 (3)

Chemical Industries	Public Works	Transportation	Postal Services & Telecommunications	Health & Welfare	Atomic Energy	Management Techniques	Education	Public Administration	Others
758 (98)	1,164 (133)	3,410 (301)	4,029 (355)	3,643 (389)	352 (13)	1,332 (109)	983 (48)	5,566 (505)	1,744 (139)
393 (71)	1,685 (394)	2,043 (331)	970 (146)	791 (279)	- (-)	40 (-)	32 (14)	1,501 (313)	1,433 (73)
96 (19)	318 (27)	645 (88)	922 (100)	2,027 (401)	11 (5)	117 (32)	341 (23)	983 (173)	248 (22)
18 (2)	49 (-)	139 (1)	270 (35)	243 (41)	- (-)	1 (-)	450 (65)	93 (32)	287 (59)

