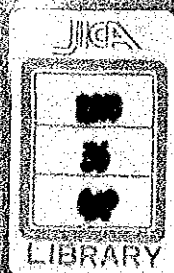




JAPAN INTERNATIONAL COOPERATION AGENCY

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JAPAN INTERNATIONAL COOPERATION AGENCY

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## FOREWORD

As shown in this Annual Report, the Japan International Cooperation Agency conducts diversified operations. In particular, of Japan's Official Development Assistance (ODA), JICA implements almost all of the technical cooperation based on government-to-government agreements, and promotes a major part of the technical cooperation-related grant capital assistance projects.

As already announced, Japan's net ODA expenditure for 1982 was \$3,023 million (¥752,900 million), down 4.7% on a dollar basis from the previous year. When the New Medium-Term Target for Japan's ODA was set in 1981, the government made an international pledge to more than double the amount of ODA (about \$10,700 million) extended during the latter half of the 70's in the first half of the 80's. It is regrettable that the performance in 1982, the second year of the target period, showed a decrease.

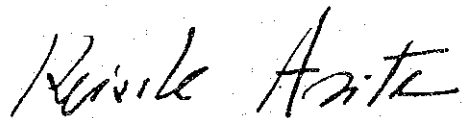
On the other hand; technical cooperation for 1982 showed an increase of 3.8% on a dollar basis, or 17.3% on a yen basis, from \$378.4 million (¥83,450 million) for 1981 to \$392.9 million (¥97,850 million) for 1982. The Agency carried out two-thirds of Japan's technical cooperation mainly in training of overseas participants, dispatch of Japanese experts, survey teams and Japan Overseas Cooperation Volunteers, and supply of equipment. This showed that in 1982 the Agency continued to fulfill its assigned important task of international cooperation.

Future expansion of technical cooperation is one of the most important tasks of Japan, which results in improvement of the quality of Japan's ODA. The Agency intends to continue its efforts to improve its operations in quantity and quality.

The Present Report contains detailed information on JICA's performance in fiscal 1982. I hope that it will be read by people in wide circles and will serve for a better understanding of international cooperation of JICA.

November 1983

Keisuke Arita



President

Japan International Cooperation Agency





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**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 development cooperation and recruiting and training of qualified Japanese experts for technical cooperation.

The Agency performs its activities for international cooperation in accordance with the Japan 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 calendar year 1982 was 66.0%.

## 2. Budget

The budget of the Agency consists of Grants, Investments and Funds in Trust. The amount of the initial budget of the Agency for fiscal 1982 was ¥76,955 million, comprising ¥66,079 million for Grants, ¥5,068 million for Investments and ¥5,808 million for Funds in Trust.

The actual expenditure by the Agency in relation to technical cooperation in fiscal 1982 amounted to ¥60,313,867 thousand, including the expense brought forward from 1981. Fig. 2 shows the expenditure by programme and Fig. 3 shows its distribution by area.

Fig. 1 Expenditure of Technical Cooperation Programme (Calendar Year 1982)

Unit: U.S. \$10,000

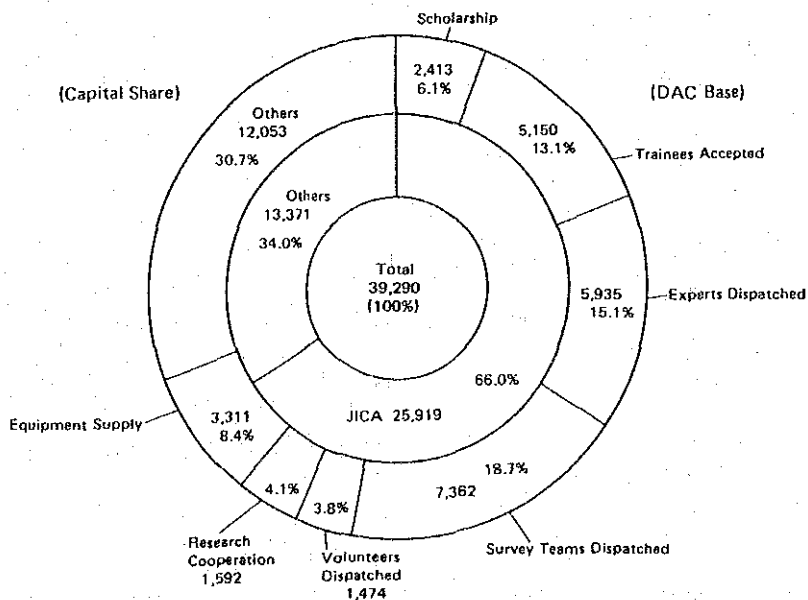


Table 1. Trend of JICA's Budget

(Unit: Million yen)

Expenses	Year	1979	1980	1981	1982	% compared with previous year
I. Grants		46,800	54,585	61,010	66,079	108.3
1. Working Expenses		36,059	43,302	49,009	53,006	108.2
(1) Expenses for Overseas Trainees Accepted		5,752	6,735	7,786	8,466	108.7
(2) Expenses for Experts Dispatched		5,585	6,709	7,385	7,991	108.2
(3) Expenses for Development Surveys		8,617	10,285	11,542	12,308	106.6
(4) Expenses for Technical Cooperation		2,939	3,431	3,918	4,632	118.2
(5) Expenses for Equipment Supply		835	976	1,068	1,339	125.4
(6) Expenses for Health and Medical Cooperation		2,676	3,180	3,533	3,652	103.4
(7) Expenses for Population and Family Planning		—	460	519	661	127.4
(8) Expenses for Agricultural and Forestry Development Cooperation		4,367	5,236	5,756	6,211	107.2
(9) Expenses for Experts' Welfare		112	250	299	334	111.7
(10) Expenses for Recruiting & Training Qualified Persons for Technical Cooperation		467	539	633	683	107.9
(11) Expenses for Development Cooperation		613	680	706	743	105.2
(12) Expenses for Industrial Development Cooperation		779	1,030	1,196	1,296	108.4
(13) Expenses for Promotion of Grant Aid Cooperation		63	70	86	94	109.3
(14) Expenses for Overseas Cooperation Volunteers		3,250	3,271	4,083	4,597	112.6
(15) Other (adjustments)		—	—	500	—	—
2. Working Expenses for Emigration Service		1,601	1,773	1,835	1,910	104.1
3. Administrative Expenses		9,140	9,510	10,167	11,163	109.8

Expenses		Year	1979	1980	1981	1982	% compared with previous year
II.	Investments		3,211	3,341	4,260	5,068	119.0
1.	Expenses for Facilities		1,761	1,841	2,710	3,418	126.1
2.	Funds for Investment in and Financing of Development Projects		400	100	100	200	200.0
3.	Funds for Investment and Financing for Emigrants		1,050	1,400	1,450	1,450	100.0
III.	Funds in Trust		4,362	4,842	5,486	5,808	105.9
1.	Funds in Trust for Survey on Overseas Development		4,039	4,742	5,291	5,808	109.8
(1)	Expenses for Surveys on Overseas Development		2,479	3,017	3,411	3,701	108.5
(2)	Expenses for Basic Surveys on Resources Development Cooperation		1,560	1,725	1,880	2,107	112.1
2.	Expenses for the South-east Asian Fisheries Development Centre		323	100	195	—	—
Total			54,373	62,768	70,756	76,955	108.8

Table 2. Expenses of JICA by Type of Cooperation

Expense & Person Type of Cooperation	1979		1980		1981		1982		Total (1954-1982)	
	Expense (¥Million)	Person	Expense (¥Million)	Person	Expense (¥Million)	Person	Expense (¥Million)	Person	Expense (¥Million)	Person
1. Trainees	5,805 (14.2%)	3,124	6,891 (14.8%)	3,393	8,047 (15.0%)	3,772	8,382 (13.9%)	3,858	60,182 (16.2%)	46,087
2. Experts	9,544 (23.4%)	944	11,131 (24.0%)	1,543	13,852 (25.7%)	1,681	16,018 (26.5%)	1,470	95,450 (25.6%)	13,771
3. Survey Teams	13,403 (32.8%)	2,762	14,659 (31.5%)	3,349	15,972 (29.7%)	4,168	19,219 (31.9%)	4,454	105,588 (28.3%)	27,899
4. Volunteers	2,861 (7.0%)	348	3,350 (7.2%)	410	3,817 (7.1%)	442	3,609 (6.0%)	441	29,850 (8.0%)	4,403
5. Emigration	284 (0.7%)	549	267 (0.6%)	594	186 (0.3%)	600	142 (0.2%)	357	1,145 (0.3%)	71,848
6. Equipment Supply	6,997 (17.1%)	-	7,877 (17.0%)	-	10,399 (10.3%)	-	10,474 (17.4%)	-	69,479 (18.7%)	-
7. Others	1,947 (4.8%)	-	2,270 (4.9%)	-	1,576 (2.9%)	-	2,469 (4.1%)	-	10,841 (2.9%)	-
Total	40,841 (100.0%)		46,445 (100.0%)		53,849 (100.0%)		60,314 (100.0%)		372,535 (100.0%)	



Fig. 2 Expenses by Programme of Technical Cooperation (1982)

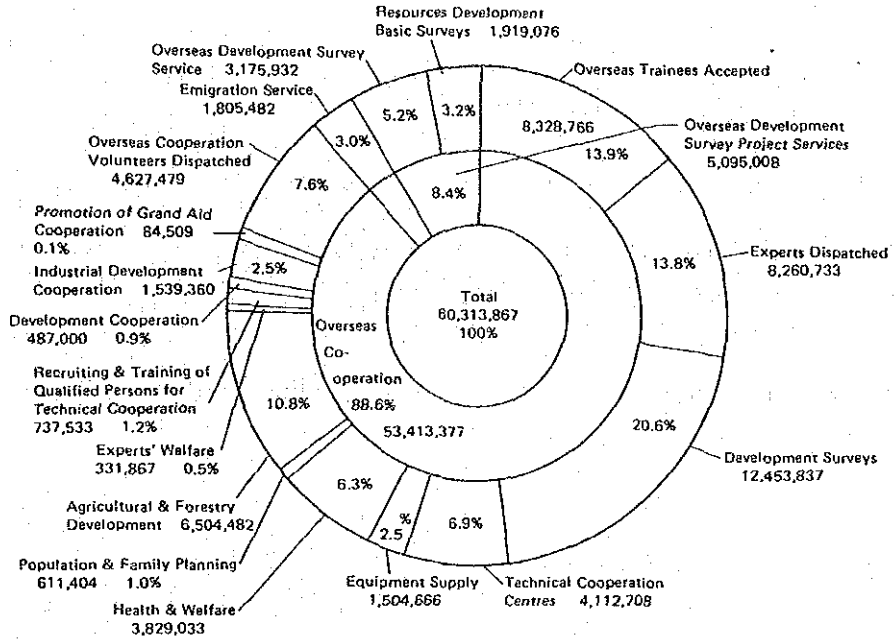
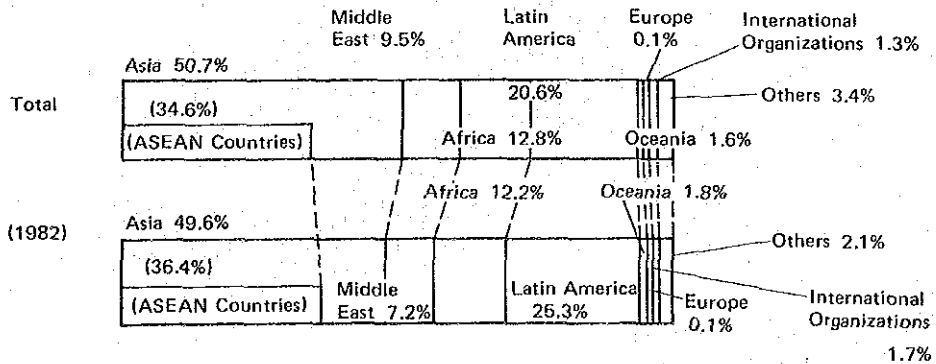


Fig. 3 Expenses for Technical Cooperation by Region



### 3. Overview of the Operations in Fiscal 1982

Training for Overseas Trainees: the number of trainees accepted in fiscal 1982 was 4,532 including those in training from the preceding year on.

Expert Dispatch: in fiscal 1982, the number of experts who served abroad reached 2,520 including those in service from the preceding year on.

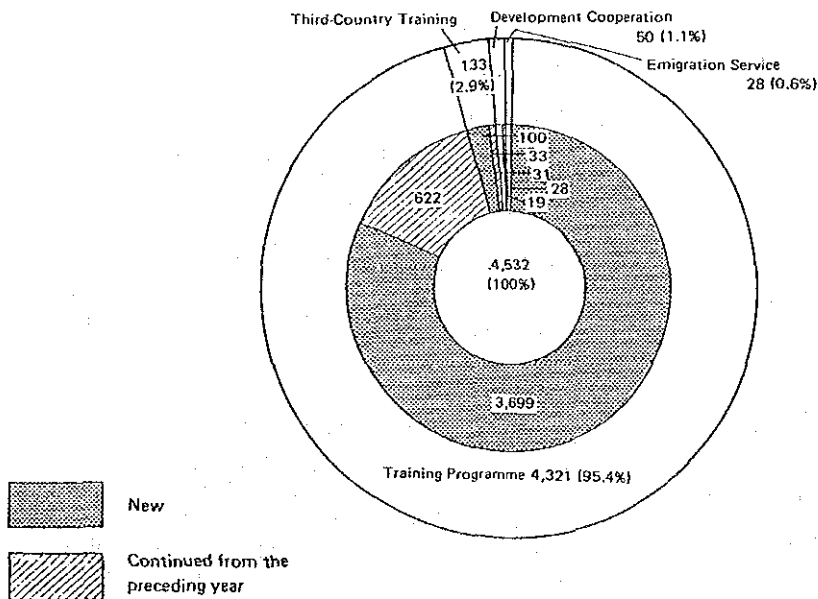
Survey Team Dispatch: the number of survey team members dispatched in fiscal 1982 was 4,670 including those in service from the preceding year on.

The Japan Overseas Cooperation Volunteers Programme: in fiscal 1982, 441 new volunteers were sent overseas, and the total number with those in service from the preceding year on reached 1,392.

Equipment Supply: in fiscal 1982, ¥10,470 million worth of equipment was granted.

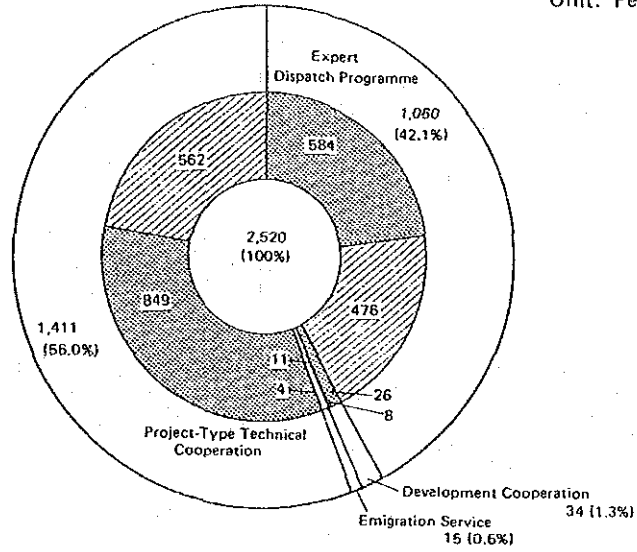
Training Classified by Programmes (1982)

Unit: Person



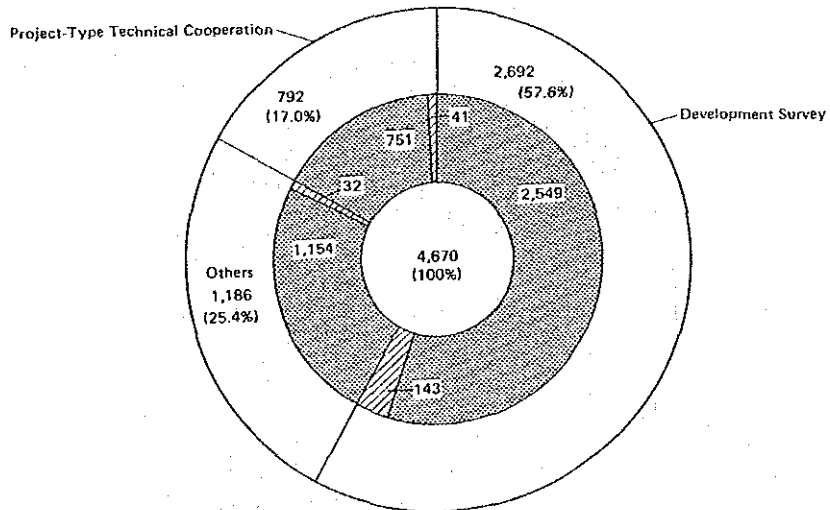
Expert Dispatched by Programmes (1982)

Unit: Person



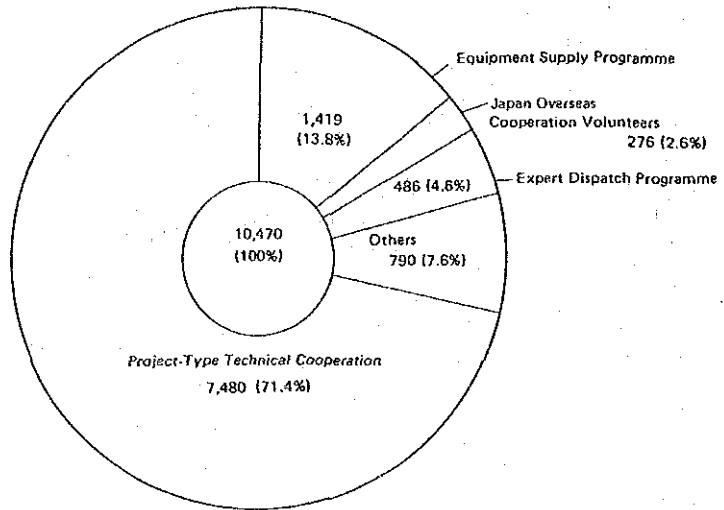
Survey Team Dispatched by Programme (1982)

Unit: Person



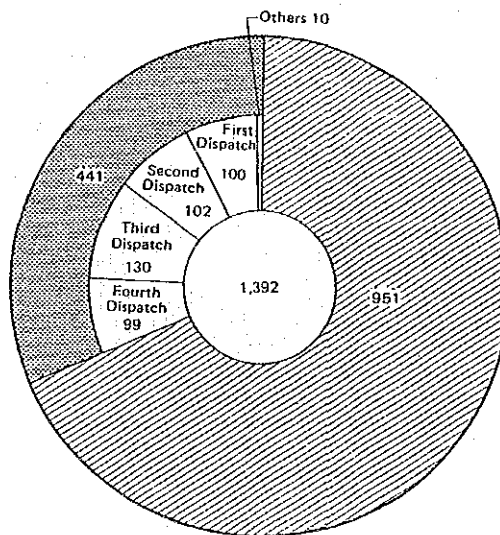
**Equipment Supplied by Programme (1982)**

Unit: Million Yen



**Japan Overseas Cooperation Volunteers Programme (1982)**

Unit: Person



## **Part II**

### **Performance of**

### **Japan International Cooperation Agency**

### **in Fiscal 1982**

## 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 1982

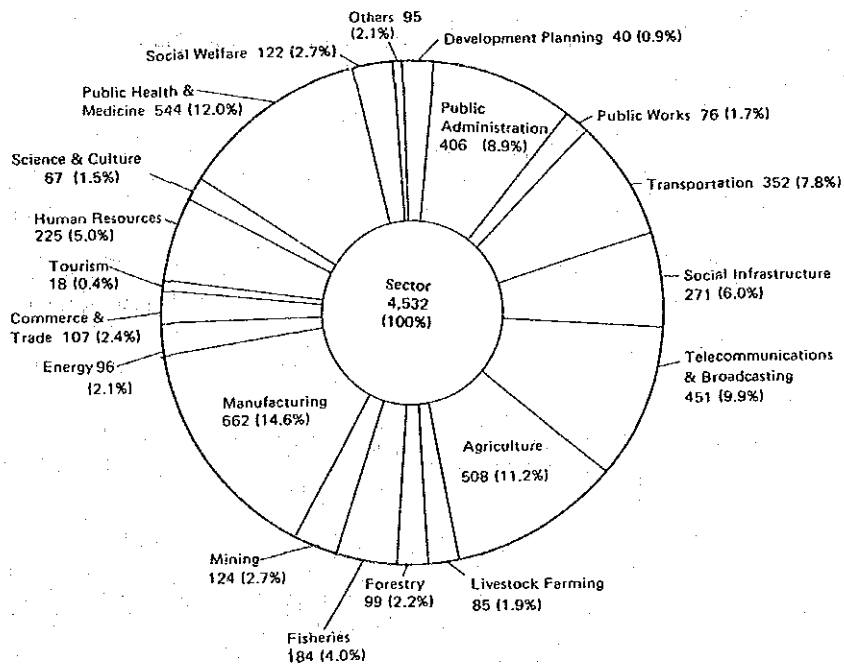
The number of trainees including project counterpart trainees accepted in fiscal 1982 was 4,532 (3,858\*), including those in training from the preceding year on, and the cumulative total accepted since 1954 has reached 46,087. Of the total number, 4,532, 2,560 (56.5%) were from Asia, 1,088 (24.0%) from Latin America, 408 (9.0%) from the Middle East, 405 (8.9%) from Africa, 60 (1.3%) from Oceania and 11 (0.3%) from other regions. By country, 416 were from Indonesia, 406 from Thailand and 286 from the Philippines. Sector-wise, 876 (19.3%) were in agriculture, forestry and fisheries, 544 (12.0%) in public health & medicine and 451

(9.9%) in telecommunications & broadcasting. The performance of the training programme for participants in fiscal 1982 by country and sector is shown in the appendix.

\* The number in parenthesis shows trainees newly accepted in FY 1982.

Trainees are also accepted in the field of development cooperation and emigration.

**Fig. 1 Number of Trainees Accepted by Sector and Region (1982)  
(including those in training from the preceding year on)**



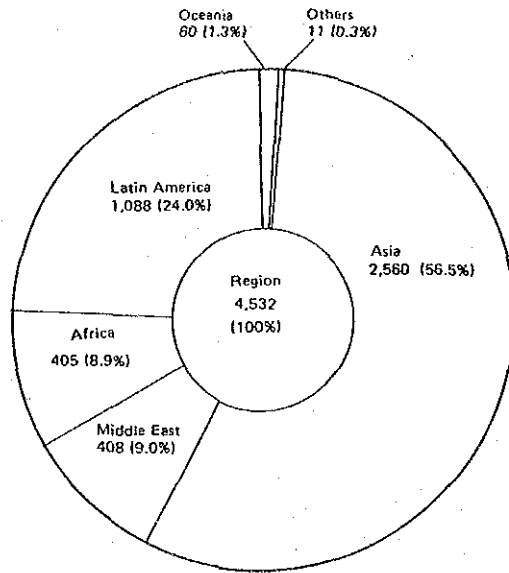
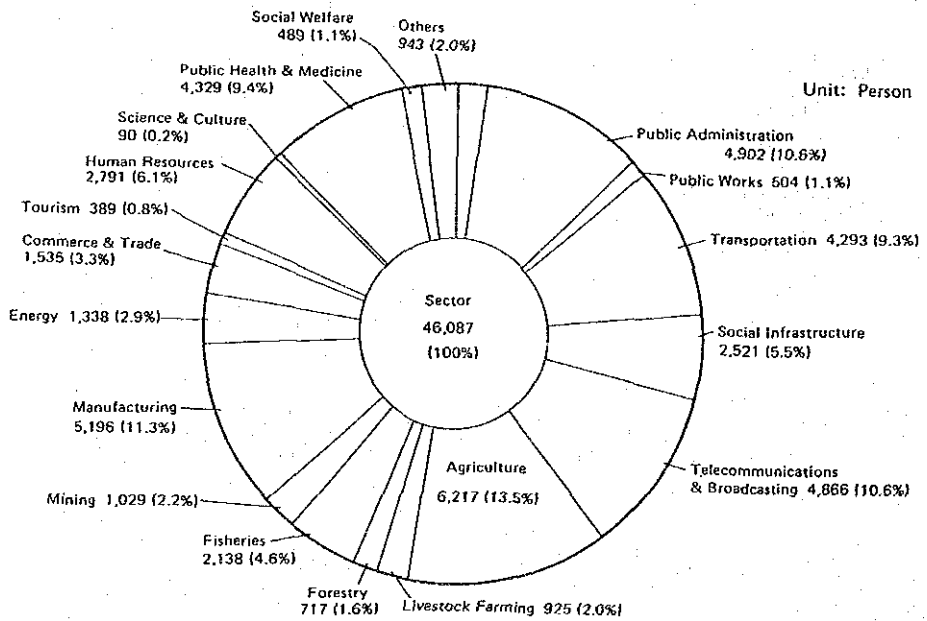


Fig. 2 Total Number of Trainees Accepted by Sector and Region (1954–1982)





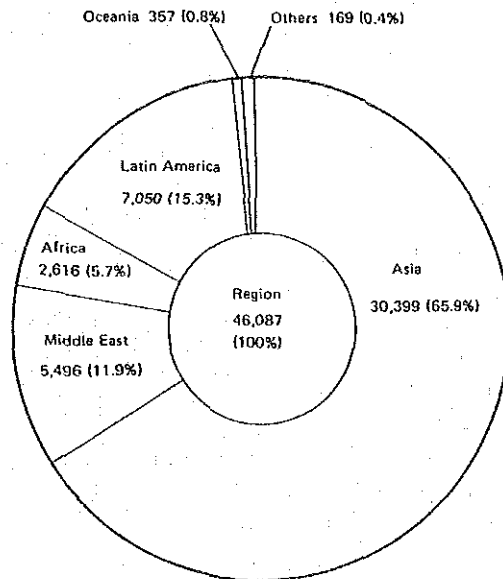
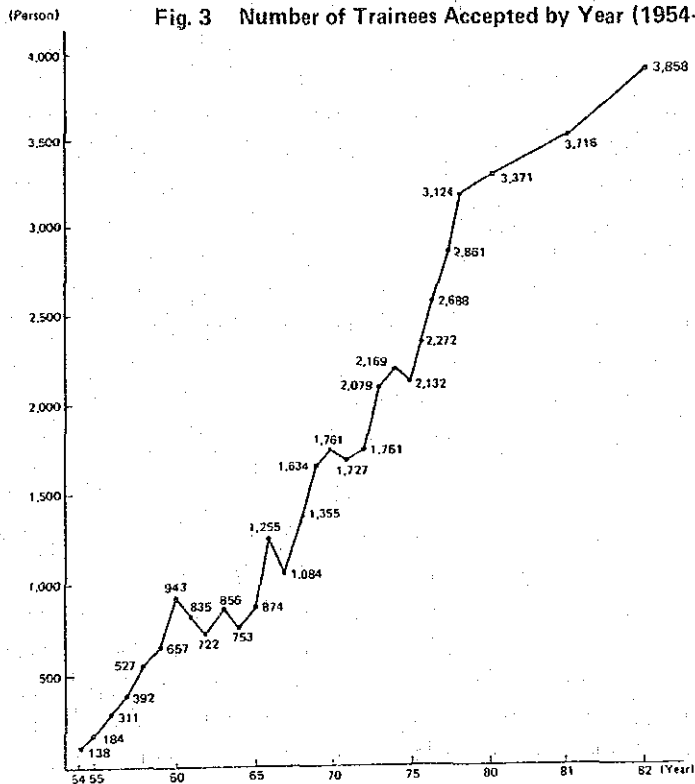


Fig. 3 Number of Trainees Accepted by Year (1954-1982)



## 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 7,007 by the end of fiscal 1981.

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 the 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 in and Financing of Development Projects) 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 1982

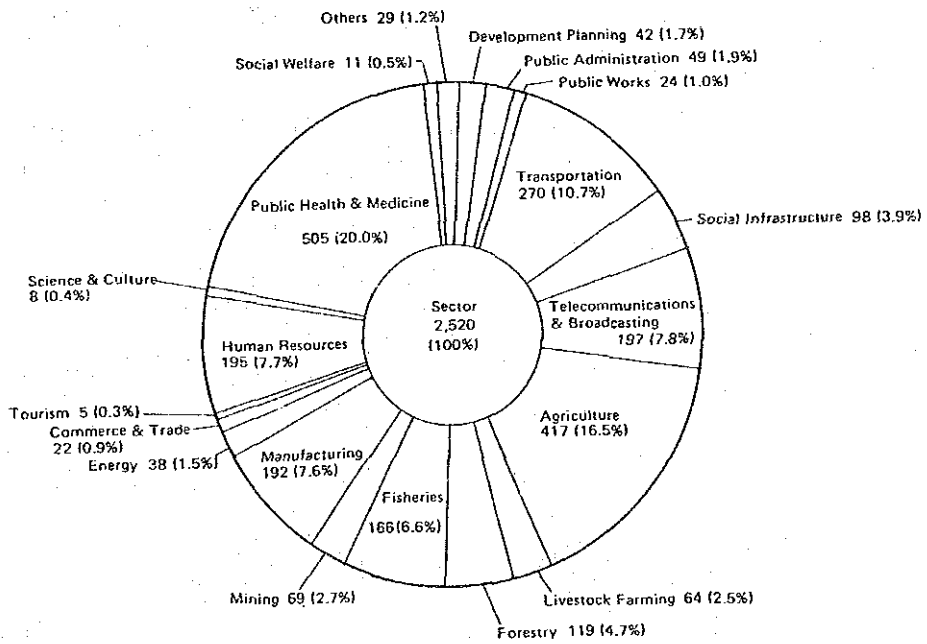
In 1982, the number of experts who served abroad reached 2,520 (1,470)\* and the cumulative total dispatched since 1955 has reached 13,771. By region, 1,546 (61.3%) experts were assigned to Asia, 525 (20.8%) to Latin America, 158 (6.3%) to the Middle East, 218 (8.7%) to Africa, 49 (1.9%) to Oceania and 20 (0.8%) to others. By country, 317 experts were assigned to Indonesia, 104 to China, 409 to Thailand and 85 to Malaysia. Sector-wise, public administration accounted for 49 (1.9%) experts, transportation 270 (10.7%), agriculture, livestock farming,

forestry and fisheries 766 (30.3%). Performance of the expert dispatch programme in fiscal 1982 by region, country and sector is shown in the appendix.

\* The number in parenthesis shows experts newly dispatched in FY 1982.

**Fig. 1 Number of Experts Dispatched by Sector and Region (1982)**  
(including those in service from the preceding year on)

Unit: Person



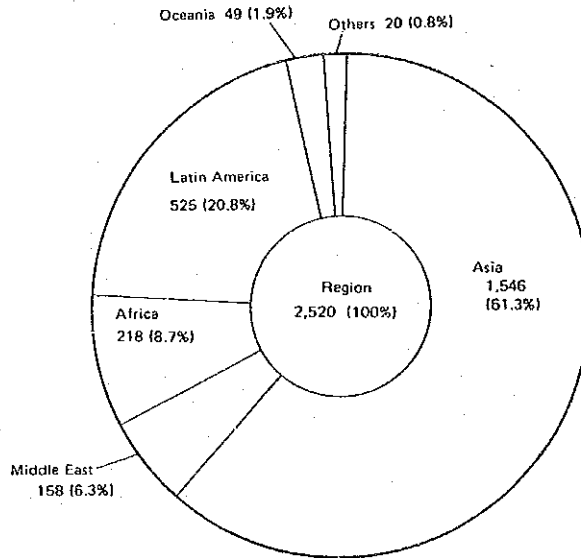
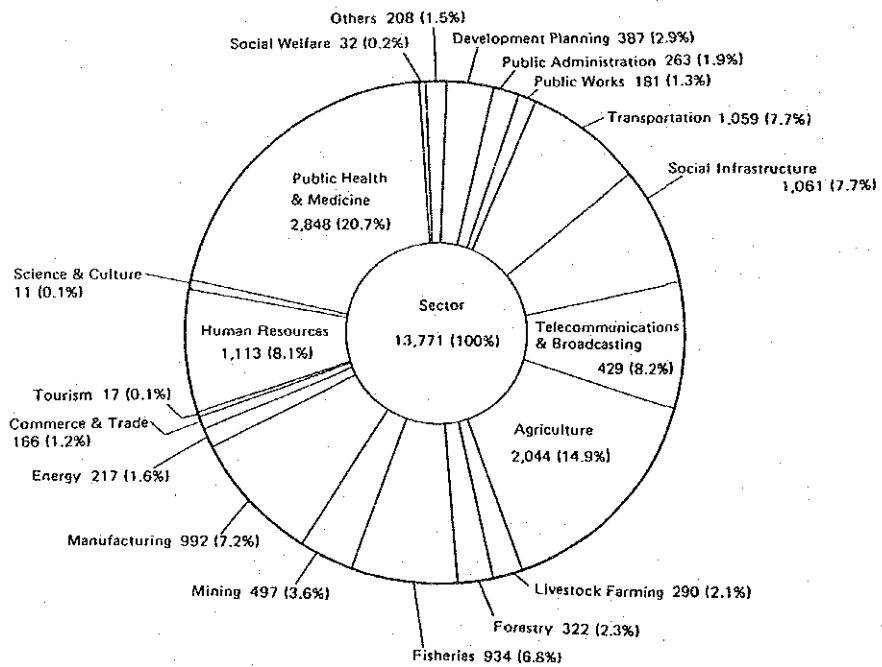


Fig. 2 Total Number of Experts Dispatched by Sector and Region (1955--1982)

Unit: Person



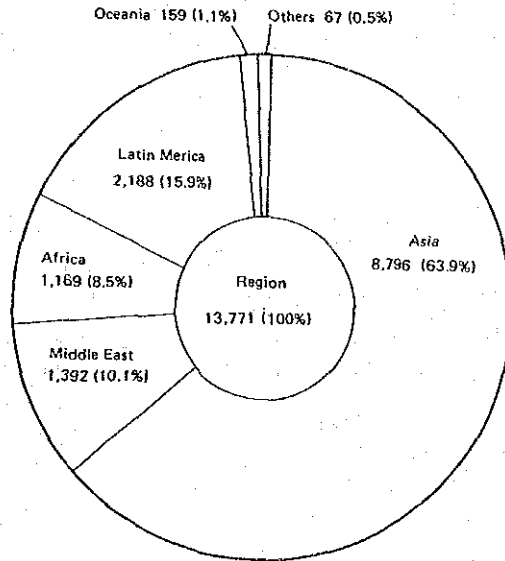
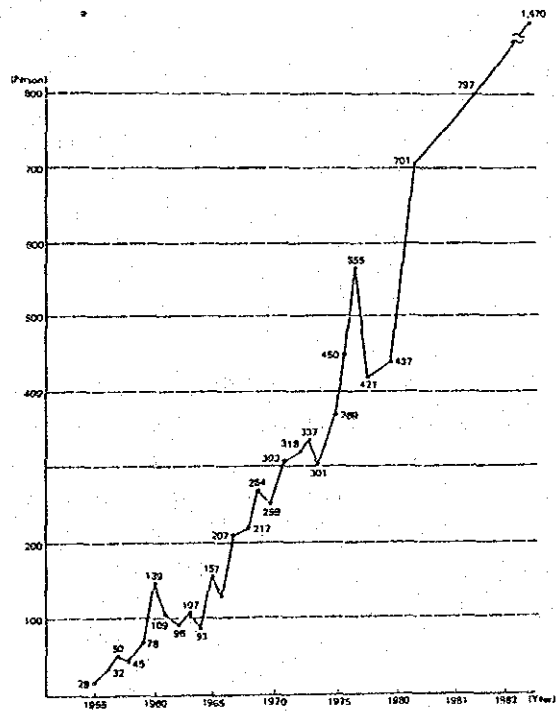


Fig. 3 Number of Experts Dispatched by Year



## 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 1982

In 1982, ¥1,419 million worth of equipment was supplied in a total of 64 cases. By region, Asia accounted for 23 cases amounting to ¥611 million (43.1%), the Middle East 6 cases amounting to ¥123 million (8.7%), Africa 12 cases amounting to ¥177 million (12.5%), Latin America 15 cases amounting to ¥348 million (24.5%), Oceania 5 cases amounting to ¥35 million (2.5%) and other region 3 cases amounting to ¥125 million (8.7%).

## Performance of Equipment Supply Programme in FY 1982

AREA COUNTRY	FACILITIES
<b>ASIA</b>	
Bangladesh	Bangladesh Agricultural Research Institute
India	Ministry of Works & Housing
Indonesia	Water Resources Development, Ministry of Public Works
Korea	Korea Advanced Energy Research Institute
Laos	Ministry of Agriculture, Hydraulic Agricultural Cooperative
Malaysia	The Standards & Industrial Research Institute of Malaysia
Nepal	Department of Mines & Geology, Ministry of Industry
Philippines	National Irrigation Administration KKK, Ministry of Human Settlements
Sri Lanka	Ministry of Higher Education
Thailand	Language Institute, D.T.E.C. Faculty of Science, Chiang-Mai University Foot and Mouth Disease Vaccine Production Department of Public Welfare, Ministry of Interior
<b>MIDDLE EAST</b>	
Egypt	Planning, Research & Engineering Project, Suez Canal Authority
Morocco	Ministry of Artisan & Social Affairs
Syria	Ministry of Public Works & Hydraulic Resources
Tunisia	O.T.T.E.E.F.P. Ministere des Affaires Sociales
Turkey	Gulhane Military Medical Faculty
Yemen	Ministry of Municipalities and Housing
<b>AFRICA</b>	
Ethiopia	Water Supply & Sewerage Authority
Gabon	Ministry of Agriculture and Livestock
Ghana	Tema Technical Institute, Ministry of Education Inspector-General of Police
Ivory Coast	Centres Hospitaliers et Universitaires de Treichville
Kenya	Nyeri Industrial Estate, Kenya Industrial Estates Ltd.
Nigeria	Nigerian Institute for Oceanography & Marine Research
Senegal	L'Océanographique et des Pêches Maritimes
Zaire	Institut National de Preparation Professionnelle
Zambia	Central Veterinary Research Institute Ministry of Information and Broadcasting Service
<b>LATIN AMERICA</b>	
Bolivia	Corporacion Minera de Bolivia Ministry of Peasant Affairs & Agriculture
Colombia	National University of Colombia
Dominican Republic	Direcion General de Telecomunicaciones
Dominica	Ministry of Education & Youth Affairs
Honduras	Instituto Nacional de Formacion Profesional Jefe de Estado Mayor de la Casa Presidencial
Mexico	Ministry of Communications and Transports
Panama	Direccion de Recursos Minerales del Ministerio de Comercio e Industrias
Paraguay	Ministry of Agriculture and Livestock
Peru	Instituto Geofisico del Peru

AREA COUNTRY	FACILITIES
Peru	Hospital Arzobispo Loayza, Ministerio de Salud Publica
Uruguay	Instituto de Investigaciones Biologicas Clemente Estable
<b>OCEANIA</b>	
Fiji	Ministry of Agriculture
Tonga	Ministry of Education
Western Samoa	Western Samoa Technical Institute
Kiribati	Ministry of National Resource, Fisheries Division

Fig. 1 Equipment Supply by Region (1982)

Unit: Million Yen

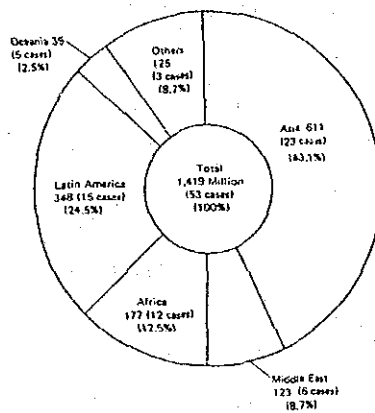
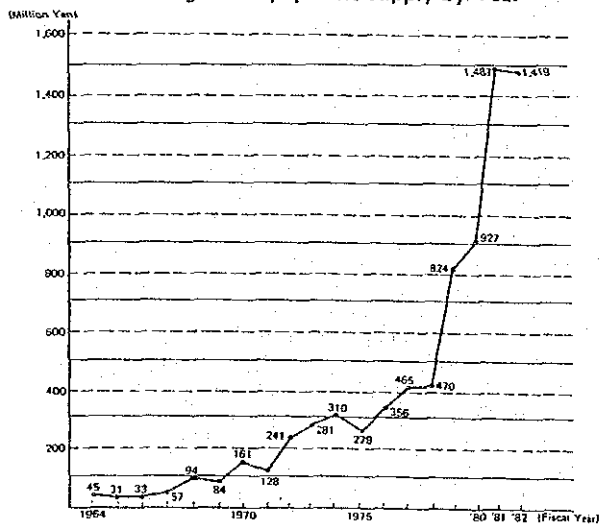


Fig. 2 Equipment Supply by Year





## Section 4. Project-Type Technical Cooperation Programme

The form of technical cooperation includes "Acceptance of Trainers", "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 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 and buildings, and manages 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 and 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 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 1982

In 1982, this programme covered a total of 49 centres; centres (8) under preliminary survey, on-going centres (37) and aftercare services (4). (See the Performance of Technical Cooperation Centre Project in Fiscal 1982).

Meanwhile, the Agency dispatched 47 survey teams and 355 experts to centres and accepted 113 counterparts from them. In addition, training materials worth 1,569 million yen were supplied as part of the programme.

Performance of Technical Cooperation Centre Programme in Fiscal 1982

AREA COUNTRY	PROJECT	DURATION
<b>ASIA</b>		
Burma	The Bridge Engineering Training Centre	79. 7.12 ~ 83. 7.11
	The Metallurgical Research and Development Centre	80. 5.14 ~ 84. 5.13
China	Preliminary Survey for Enterprise Management Training Centre in China	
Indonesia	The Sumatra Chemical Industry and Development Centre	81.11.19 ~ 86.11.18
	Sulawesi Industrial Vocational Training Centre	79. 2. 9 ~ 80. 2. 8
	Volcanic Sabo Technical Centre	82. 8.26 ~ 87. 8.25
	Centre for Vocational and Extension Service	83. 2.16 ~ 88. 2.15
Korea	Daejeon Vocational Training Institute	76. 3. 6 ~ 80. 3. 5
Malaysia	The Marine Engineering Training Centre	73.12. 3 ~ 82. 6. 2
	National Metrological Laboratory of Standard and Industrial Research Institute	81.12.17 ~ 85.12.16
	The Metal Industry Technology Centre	78. 8.12 ~ 82. 8.10
Pakistan	Centre for Instructor and Advanced Skill Training (CIAST)	81. 8.20 ~ 87. 8.19
	The Central Telecommunication Research Laboratory	79. 3.22 ~ 84. 3.21
Philippines	The Transport Centre	77. 4.21 ~ 83. 4.11
	The Ceramic Research and Development Centre	80. 7.16 ~ 82. 7.15
	The Metal Casting Technology Centre	80. 7.28 ~ 84. 7.27
	The Telecommunications Training Institute	81. 4. 2 ~ 86. 4. 1
	Integrated Research and Training Centre, TUP	83.11. 3 ~ 87.11. 2
Singapore	Philippine Human Resources Development Centre, UL	82. 9. 9 ~ 87. 9. 8
	The Japan-Singapore Training Centre	78. 6.29 ~ 83. 6.28
	The Japan-Singapore Institute of Software Technology	80.12.18 ~ 85.12.17
Thailand	Japan-Singapore Technical Institute	83. 6.11 ~ 88. 6.10
	The Institute for the Skill Development in the Northeast of Thailand	78.12.12 ~ 82.12.11
	The King Mongkut's Institute of Technology	78.12.12 ~ 82.12.11

AREA COUNTRY	PROJECT	DURATION
Thailand	The Furniture Industry Development Centre	79.11.25 ~ 82.11.24
	Primary Health Care Training Centre	82.10. 1 ~ 87. 9.30
<b>MIDDLE EAST</b>		
Egypt	The Arab Maritime Transport Academy	76.11. 6 ~ 82.11. 5
	The Maintenance Vocational Training Centre	77. 1.30 ~ 82. 7.29
	The Textile Research and Development	80.11. 7 ~ 85.11. 6
	Department of the National Research Centre	81. 8. 1 ~ 83. 7.31
	Cairo Transport Authority Tramcar Training Centre	82. 6. 1 ~ 82. 6.12
Iraq	The Iraq Electrical and Electronic Industries Training Centre	81. 8. 1 ~ 83. 7.31
Saudi Arabia	The Riyadh Electronics Technical Institute	72. 6.12 ~ up to operation
Tunisia	The National Fisheries Centre	81. 7. 1 ~ 82.12.31
<b>AFRICA</b>		
Kenya	National Youth Service Advanced Training Centre	75. 5.26 ~ 80. 5.25
	The Jomo Kenyatta College of Agriculture and Technology	80. 4.19 ~ 85. 4.18
<b>LATIN AMERICA</b>		
Bolivia	Instituto de Geologia Economica, Universidad de San Andres	82. 5.20 ~ 87. 5.19
Brazil	The SENAI Electrical and Electric Vocational Training Centre	79. 3.29 ~ 84. 3.28
Panama	The Panama National Educational Television Broadcasting Project	81. 2.11 ~ 86. 2.10
	Centro de Formacion Profesional Panamero-Japones	82. 8.26 ~ 87. 8.25
Paraguay	The Vocational Training Centre	82. 2.24 ~ 83. 2.23
Peru	The Telecommunications Training Centre	79.11. 2 ~ 82.11. 1
	The Fish Processing Centre	82.10.13 ~ 83.10.12
Mexico	The Mexico-Japan Technological Education Centre	82. 4. 1 ~ 87. 3.31

## (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 1982

In 1982, cooperation was offered to a total of 39 projects; projects (6) under preliminary survey, on-going projects (31) and aftercare services (2). (See the list of Performance of Health and Medical Cooperation Programme in Fiscal 1982).

Meanwhile, 31 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; 474 experts were sent overseas and 96 counterparts were accepted. Equipment amounting to 1,706 million yen was supplied as part of this programme.

Performance of Health and Medical Cooperation Programme in Fiscal 1982

AREA COUNTRY	PROJECT	DURATION
<b>ASIA</b>		
Bangladesh	Cardiovascular Disease Control	79. 2.22 ~ 84. 2.21
Burma	Communicable Disease Research and Control	80. 4.10 ~ 82. 4. 9
	The Development for the Pharmaceutical Technology	81. 7. 6 ~ 85. 7. 5
China	The China-Japan Friendship Hospital	81.11.19 ~ 84.11.18
India	Japanese Encephalitis Vaccination Production	82. 3.12 ~ 86. 3.11
Indonesia	Nursing Education	78.11. 3 ~ 83.11. 2
	Centre for Biomedical Research	75. 4. 1 ~ 82. 3.31
	Promotion of Health in North Sumatra	78. 4. 1 ~ 83. 3.31
	Drug Quality Control	83. 4. 1 ~ 88. 3.31
	Centre for Cardiovascular	79. 3. 2 ~ 83. 3. 1
Korea	Clinical Nutrition Research Centre	75.10. 1 ~ 79. 9.30
	Development of Basic Health Services in Western Region	73.10.28 ~ 81. 2.27
Nepal	Tribhuvan University Medical Education	80. 6.20 ~ 85. 6.19
Philippines	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	
	National Cancer Institute	67. 4. 1 ~ 79. 3.31
<b>MIDDLE EAST</b>		
Afghanistan	Tuberculosis Control	74. 4. 1 ~ 83. 3.31
Algeria	The Medical Centre, the Oran University of Science and Technology	78. 4. 1 ~ 83. 3.31
Egypt	Nursing Education and Research	78. 4. 1 ~ 83. 3.31
Tunisia	Drug Quality Control	82. 4. 1 ~ 83. 3.31
<b>AFRICA</b>		
Ghana	Medical School, Ghana University	68. 6. 8 ~ 85. 3.11
Kenya	Communicable Disease Research and Control	79. 3. 6 ~ 84. 3. 5
Nigeria	Jos University Medical Research	82. 7. 2 ~ 87. 7. 1
Zambia	Faculty of Medicine, University of Zambia	80. 2.21 ~ 85. 2.20
<b>LATIN AMERICA</b>		
Bolivia	Gastroenterology	77. 4. 1 ~ 83. 3.31
Brazil	Biologicals Production	80. 8.13 ~ 83. 8.12
	Nucleo Interdepartamental de Imunopatologia of the Federal University of Pernambuco Project	83. 4. 1 ~ 88. 3.31
	The National Institute of Health Project	83. 4. 1 ~ 86. 3.31
Ecuador	Research of Microbial Control	82. 4. 1 ~ 84. 3.31
Guatemala	Onchocerciasis Research and its Control	75.10. 1 ~ 83. 9.30
Paraguay	Leprosy Control	80. 8.18 ~ 85. 8.17
Peru	Mental Health Services	80. 5.20 ~ 85. 5.19
Venezuela	Gastrointestinal Tract Cancer Control System	82. 4. 1 ~ 87. 3.31
<b>OCEANIA</b>		
Tonga	Japan WHO Joint Technical Cooperation, Health Laboratory	81.12.15 ~ 86.12.14

### (3) Population and Family Planning Cooperation Programme

#### 1. Outline

This programme, which had been 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 1982

In 1982, cooperation was offered to a total of 6 projects; project (1) under preliminary survey and on-going projects (5) as shown in the performance of population and family planning cooperation programme in FY 1982. Meanwhile, 14 experts were sent overseas and equipment amounting to 466 million supplied.

Performance of Population and Family Planning Cooperation Programme in Fiscal 1982

AREA COUNTRY	PROJECT	DURATION
ASIA		
Bangladesh	Family Planning	76. 3.29 ~ 86. 3.31
China	Family Planning	82.11.15 ~ 87.11.14
Indonesia	Family Planning	69.10.14 ~ 83. 3.17
Philippines	Family Planning	74. 4. 1 ~ 86. 3.31
Thailand	Family Planning	75. 4. 1 ~ 84. 3.31

### (4) Agriculture, Forestry and Fisheries Development Cooperation Programme

#### 1. Outline

This programme is intended to provide assistance in agriculture, forestry and fisheries development of developing countries to contribute to increasing food production, improvement of farmers' income 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 at regional agricultural development centres to improve

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 1982

In 1982, cooperation was extended to 49 agricultural, forestry and fisheries projects; a total of 458 experts were dispatched and agricultural vehicles, experiment and test equipment, chemicals and agricultural machines equivalent to 2,708 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 1982

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. 6.23
	Agricultural Products Processing Pilot Plant Project	77.11.14 ~ 82.11.13
	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 Smatra	79. 3.12 ~ 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 ~ 86. 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
	Agro-meteorological Disaster Research Project	82.10. 1 ~ 85. 9.30
	Water Management Training Project	77. 9. 3 ~ 82. 9. 2
Malaysia	Janakpur Zone Agricultural Development Project	74.11. 7 ~ 82.11. 6
Nepal	Cagayan Integrated Agricultural Development Project	76. 2.27 ~ 84. 3.31
Philippines	Afforestation Project of the Pantabangan Area	76. 6.18 ~ 82. 7.31
	Irrigated Agriculture Development Project	77. 4. 8 ~ 84. 3.31
Thailand	Animal Health Improvement Programme	77. 3. 2 ~ 84. 3. 1

AREA COUNTRY	PROJECT	DURATION
Thailand	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
	The Coastal Aquaculture Development Project	81. 4. 1 ~ 86. 3.31
	Agricultural Extension and Agricultural Mechanization in Kasetsart University	81. 7. 1 ~ 86. 6.30
	Research and Training in Reafforestation Project	81. 7. 9 ~ 86. 7.28
<b>MIDDLE EAST</b>		
Egypt	The Rice Mechanization Pilot Project	81. 8.18 ~ 83.11.10
<b>AFRICA</b>		
Madagascar	Livestock Development Project in Northern Madagascar	77.11.11 ~ 83.11.10
Tanzania	Kilimanjaro Agricultural Development Centre Project	78. 9.13 ~ 82. 9.12
<b>LATIN AMERICA</b>		
Brazil	Japan-Brazil Agricultural Research Project	77. 9.30 ~ 82. 9.29
	Agricultural Development Project in the Ribeira Basin	75. 3.10 ~ 84. 6.30
	Forestry Research Project in Sao Paulo	79. 4. 1 ~ 84. 3.31
Chile	Aquaculture Project	79.10. 1 ~ 84.10. 1
Mexico	The Japanese Technical Cooperation for the Animal Centre Project	81. 6. 1 ~ 86. 5.31
	Paraguay	Agriculture Development Project in the Southern Paraguay
Uruguay	Forestry Development Project in the Southern Paraguay	79. 3.16 ~ 84. 3.15
	Animal Reproduction Improvement Project	82.12. 3 ~ 87.12. 2
	Japan-Uruguay Vegetable Research Cooperation Project	78. 7.19 ~ 83. 7.18
<b>OCEANIA</b>		
Fiji	Aquaculture Research and Development Project	81.11.18 ~ 85. 3.31

## (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 Coopera-



tion Programme.

## 2. Performance in 1982

In 1982, cooperation was offered to a total of 20 projects. For these projects, equipment and materials worth 655 million yen were supplied, and a total of 110 experts were dispatched.

### Performance of Industrial Development Cooperation Programme in Fiscal 1982

AREA COUNTRY	PROJECT	DURATION
<b>ASIA</b>		
Indonesia	Technical Cooperation on the Development of Building Materials	78. 7.19 ~ 82. 7.18
Nepal	Technical Cooperation on the Development of Cottage Industry	80.10. 9 ~ 84.10. 8
Pakistan	Technical Cooperation for Pakistan Industrial Technical Assistance Centre	82. 9.29 ~ 85. 9.28
Philippines	Technical Cooperation on the Development for Particle Board	82. 1.31 ~ 83. 3.18
Sri Lanka	Technical Cooperation for Appropriate Technology Research and Development Centre	82. 1. 7 ~ 86. 1. 6
Thailand	Technical Cooperation on the Development of Natural Rubber Processing	82. 4. 1 ~ 83. 9.30
	Technical Cooperation Project on Maize Development	82. 9.17 ~ 84. 9.16
<b>AFRICA</b>		
Tanzania	Technical Cooperation for Kilimanjaro Industrial Development Centre Project	78. 9.13 ~ 82. 9.12
<b>LATIN AMERICA</b>		
Brazil	Technical Cooperation on the Small and Medium Scale Industry	80.10. 2 ~ 84.10. 1
	Technical Cooperation on the Pollution Control for Mining and Quarrying Activity	81. 9. 2 ~ 85. 9. 1
Chile	Technical Cooperation on the Development of Copper Smelting and Refining	81. 3.17 ~ 83. 3.16
Mexico	Technical Cooperation on the Technological Development of Mineral Processing and Metallurgy	79.12. 5 ~ 83.12. 4
Paraguay	Technical Cooperation on Wholesale Marketing System Improvement	81.12. 7 ~ 85.12. 6
Peru	Technical Cooperation on Mine Safety	77.10.28 ~ 81.12.31
	Technical Cooperation on Treatment Process of Copper Oxide Mineral	83. 7. 1 ~ 88. 6.30
	Technical Cooperation for the Improvement of Vegetable Distribution	83. 3.16 ~ 83. 9.15
Uruguay	Technical Cooperation for Pulp and Paper Quality Improvement	81. 9. 8 ~ 84. 9. 7

## 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 union, 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
- (10) Surveys for Resources in Forestry and Fisheries

### 2. Performance in 1982

The total number of survey team members dispatched in FY 1982 including those in service from the preceding year on has reached 4,670 (4,454)\*, the performance of which is shown by sector and region in the Fig. 1. Of this figure, 4,670, 2,549 experts or 294 teams were dispatched under the development survey programme, bringing the cumulative number of development survey team members to 15,386 since 1952, the performance of which is shown by sector and region in the

Fig. 2. The development survey projects are listed by country in page 58 on.

\* The number in parenthesis shows survey team members newly dispatched in FY 1982.

Fig. 1 Number of Survey Team Members Dispatched by Sector and Region (1982) (including those in service from the preceding year on)

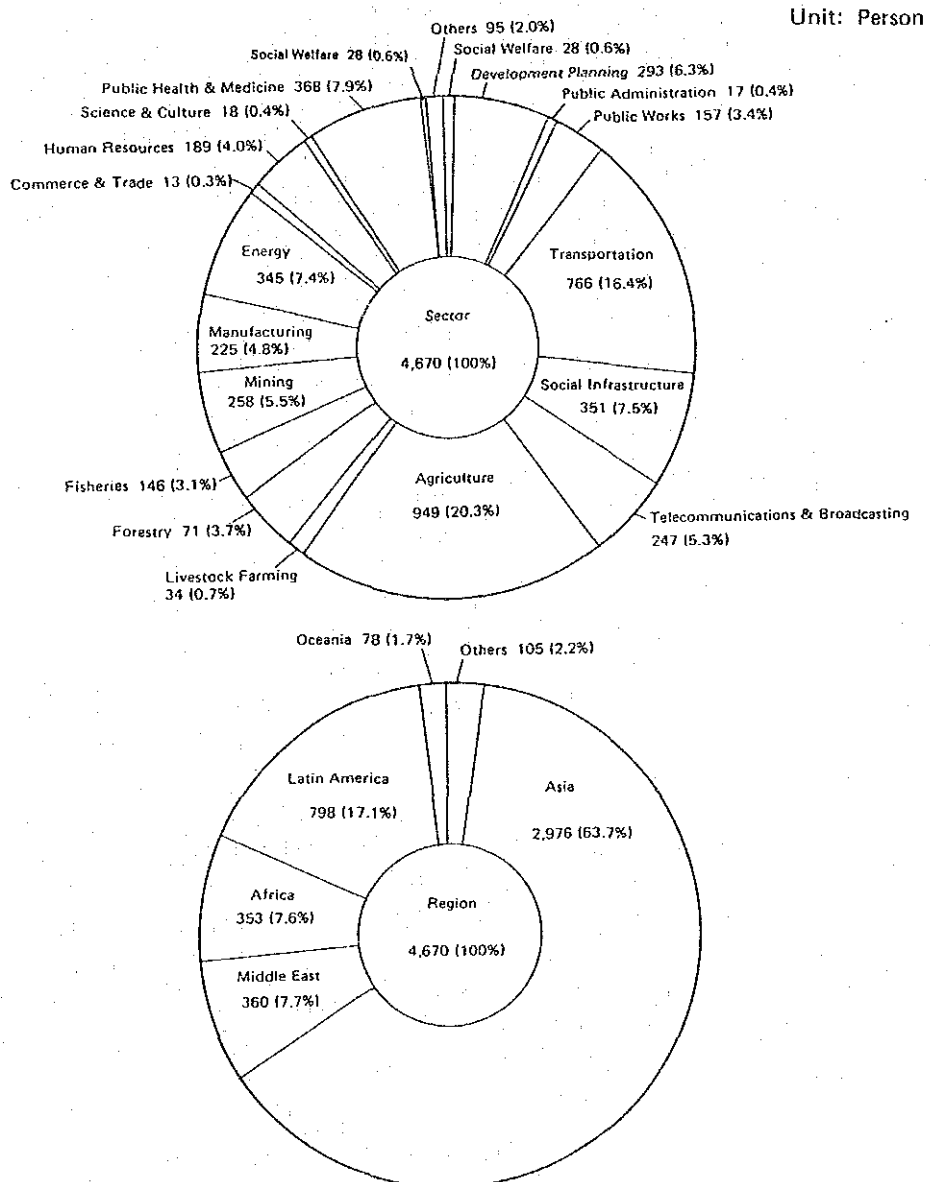
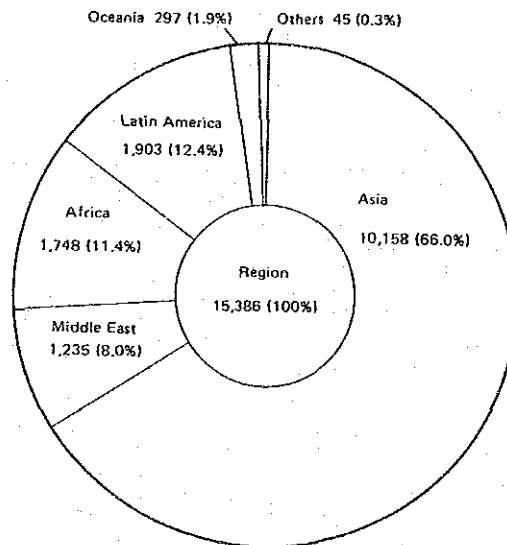
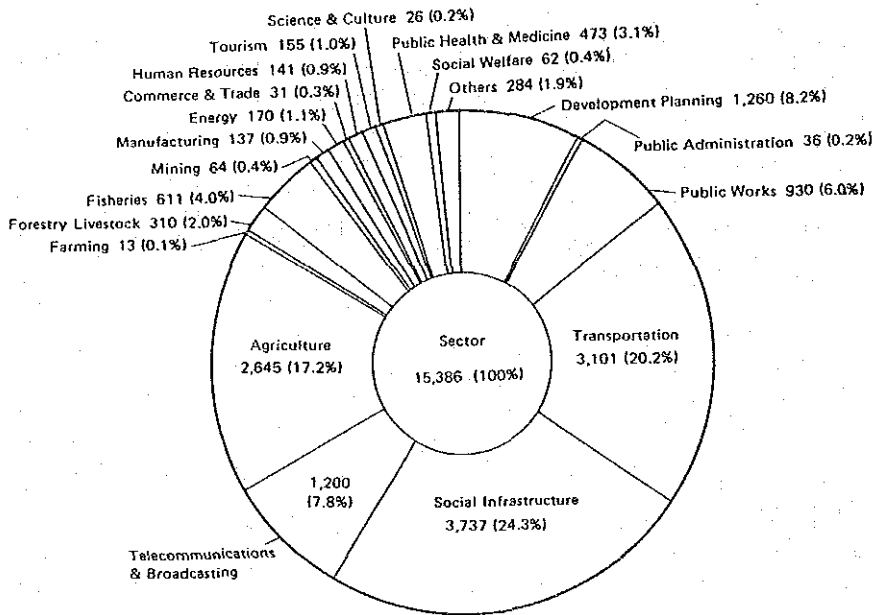


Fig. 2 Cumulative Number of Development Survey Team Members Dispatched by Sector and Region (1962-1982)

Unit: Person



AREA COUNTRY	NAME OF DEVELOPMENT SURVEY	CLASSIFIED NO.
ASIA		
Bangladesh	Survey for Establishment of Seed and Germplasm Resources Laboratory	6
	Survey for the Fish Net Factories Project	6
	Survey for Establishment of Pharmaceutical Formulation Plant for Production of Essential Drugs	6
	Survey for the Construction Project of General Hospital in Bangladesh	6
	Survey for Construction Project of Foodgrains Storehouses in Bangladesh	6
	Survey for Integrated Transport Project in Dhaka Metropolitan Area	1
Bhutan	Survey for the Agriculture Mechanization Project	6
Brunei	Survey for the Establishment of a Clinker Grinding Plant in Brunei (Preliminary)	3
	Survey for the Establishment of a Clinker Grinding Plant in Brunei	4
Burma	Survey for Railway Development in Burma	3
	Survey for the Construction of Dry-Dock in Burma	3
	Survey for Post-Harvest Technology Application Center in Burma	6
	Survey for the Improvement of the Production Facilities for School Text Books and Exercise Books	6
	Survey for the Project on the Establishment of the Youth Education Center	6
	Survey for the Project on the Establishment of Fresh and Brackish Water Prawn Culture Center	6
	Survey for the Project on the Establishment of the Nurse College in Rangoon	6
	Survey for Central Agricultural Development Training Center Project	6
	Survey for Improvement and Expansion of Color TV Facilities in Burma	6
	Survey for Project Evaluation	11
China	Survey for the Sanko Heigen Ryutokyo Model Area Agricultural Development Project in the People's Republic of China	4
	Survey for Factories (Refrigerater, Washing Machine) Modernization Programme	4
	Survey for Factory (Electronics for Household Use, Plastics) Modernization	3
	Survey for Factory ((Electronics for Household Use) Modernization	4
	Survey for Factory (Plastics) Modernization	4
	Survey for Factory (Plastics) Modernization	4
	Survey for Factory (Mechanism, Speaker) Modernization	4
	Survey for Factory (Furniture, Glass, Optical Instrument) Modernization	3
	Survey for the Oh River Hydroelectric Power Development in China	4
	Survey for Collaborative Mineral Exploration in China	8
Indonesia	Survey for Electrification Study of Main Railway Lines in Java in the Republic of Indonesia	3
	Survey for Urban/Sub-Urban Railway Transportation Study in "Jabotabek" Area (New Railway Line for Cengkareng Airport)	3, 4
	Survey for the Development Project of Dumai Port in Indonesia	4
	Survey for Long Term Development of Maritime Communication System	4
	Survey for Sulawesi Terrestrial Transmission Network	4
	Survey for Urban Development Planning Study on Gerbangkertosusila Region (Surabaya Metropolitan Area)	1, 4

AREA COUNTRY	NAME OF DEVELOPMENT SURVEY	CLASSIFIED NO.
Indonesia	Survey for Water Supply Development Project in Jakarta	3
	Survey for the Padang Area Flood Control Project in Indonesia	3, 4
	Survey for Urban/Sub-Urban Railway Transportation Study in "Jabotabek" Area	1, 4
	Survey for the Development Plan of Bari International Airport in the Republic of Indonesia	4
	Survey for Telecommunication Networks Development Project for Eastern Part of the Republic of Indonesia	1, 4
	Survey for Urban Renewal Housing Plan in Jakarta	4
	Survey for Topographic Mapping Project in the Negara River Basin Development	3
	Survey for Integrated Radio and Television Development Project in the Republic of Indonesia	3
	Survey for Nusa Tenggara Terrestrial Transmission Network in the Republic of Indonesia	3
	Survey for the Volcanic Debris Control and Water Conservation in the South Eastern Slope of Mt. Semeru	4
	Survey for North Banten Water Resources Development Project	4
	Survey for Long-Term Development Programs of International Telecommunications for Indonesia	1
	Survey for Lower Asahan River Basin Development Project in the Republic of Indonesia	3
	Survey for the Improvement of Post-Harvest Processing of Rice	4
	Survey for Bila Irrigation Project in the Republic of Indonesia	4
	Survey for the Sanrego Irrigation Project in the Republic of Indonesia	4
	Survey for the Rice Pest Forecasting and Control Project in the Republic of Indonesia	4
	Survey for K-C-C Irrigation Development Project	4
	Survey for Advisory Group for the Rice Seed Production and Distribution Strengthening Project	4
	Survey for the Establishment of Veterinary Assy Laboratory	6
	Survey for the Construction Project of the National Quality Control Laboratory	6
	Survey for the Project on the Establishment of Center for Vocational Extension Service Training (CEVEST)	6
	Survey for Technical Cooperation for the Energy Supply-Demand Planning System Development	4
	Survey for the Asahan Hydroelectric Power Development Project	4
	Survey for the Strengthening of Trade and Information	4
	Survey for Collaborative Mineral Exploration in Indonesia	8
	Survey for the Riam Kiwa Hydroelectric Power Development Project	4
	Survey for the Development of Sugarcane Down-Stream Industry in the Republic of Indonesia (Preliminary)	3
	"	4
	Survey for Banko Coal Effective Utilization	3
	Survey for Renun Hydroelectric Power Development Project	3
	Survey for the Kotapanjang Hydroelectric Power in Indonesia	4
	Survey for the Lumpur Geothermal Development Project	4
Survey for Vienchan Drainage System Improvement Project	6	
Survey for Vienchan Drainage System Improvement Project (Preliminary)	6	
Malaysia	Survey for VHF/FM Broadcast Coverage Plan for the States of Sabah & Sarawak, Malaysia	4

AREA COUNTRY	NAME OF DEVELOPMENT SURVEY	CLASSIFIED NO.
Malaysia	Survey for Railway Development Plan Study	1
	Survey for Regional Water Resources Study	3, 4
	Survey for Road Construction and Improvement Project in Johor Bahru	3, 4
	Survey for the Sewerage Drainage Study of Kelang and Port Kelang and its Environs	1, 4
	Survey for Tatau-Kapit Trunk Road Project in Malaysia	4
	Survey for Ex-mining Land for Housing Development	3
	Survey for the Study on the Development Project of the Port Perlis in Malaysia	3
	Survey for Urban Transport	4
	Survey for National Water Resources Study in Malaysia	1
	Survey for the Bengkoka Afforestation/Resettlement Project	3
	Survey for Construction Project on Malaya University Japanese Language School	6
	Survey for Tekai Hydroelectric Power Development Project	4
	Survey for the Project of the Center for Instructor and Advanced Skill Training (CIASST)	6
	Survey for the Integrated Regional Development of South Tregganu	1
	Survey for Collaborative Mineral Exploration	8
	Nepal	Survey for Rural Telecommunications Network
Survey for Water Resources Development Study on the Kosi River Basin		3
Survey for Containerization		1, 4
Survey for the Establishment of Electric Power Distribution Network in Kathmandu Region		6
Survey for the Sapt Gandaki Hydroelectric Power Development		4
Pakistan	Survey for Pakistan Railways Locomotives Manufacturing Factory Project	3, 4
	Survey for National Transport Plan	1
	Survey for Establishment of Hospital in Medical Complex in Islambad	6
	Survey for Agricultural Development Project with Widening of Pat-Feeder Canal	4
Philippines	Survey for Panay River Basin Wide Flood Control Study	1, 3
	Survey for the Philippine Road Disaster Prevention Study	3
	Survey for the Infanta-Real Area Urban Development Project	3
	Survey for Metro Manila Transportation Planning (JUMSUT)	1, 3
	Survey for the Development Project of the Port of San Fernando	3, 4
	Survey for the Development Project of the Meteorological Telecommunication System	3
	Survey for Metro Manila Outer Major Roads Project, Northern Package	4
	Survey for the Mayon Volcano Sabo and Flood Control Project	9
	Survey for Rural Telecommunication Project, Region-V (Bicol)	4
	Survey for the Development Project of the Port of Irene	1, 4
	Survey for the Dalton Pass Tunnel Project	4
	Survey for Topographic Mapping Project of the Cagayan Valley	2
	Survey for Geophysical/Geological Survey Vessel Project	6
	Survey for Metro Manila Outer Major Roads Project (Southern Package)	4
	Survey for Local Water Supply Projects	1, 4
Survey for the Improvement Project of Operation and Maintenance of National Irrigation Systems	3, 4	
Survey for Asue River Basin Agricultural Development Project	3	

AREA COUNTRY	NAME OF DEVELOPMENT SURVEY	CLASSIFIED NO.	
Philippines	Survey for Gumain River Irrigation Project	3	
	Survey for the Matuno River Development Project	4	
	Survey for Alcogas Project	4	
	Survey for the Improvement Project of Philippines Refugee Processing Centre	6	
	Survey for the Construction Project of Philippines Normal College Library	6	
	Survey for Pilot Rural Environmental Sanitation Project	6	
	Survey for the Construction of Agricultural Promotion Complex in Bohol	6	
	Survey for the Construction of the Philippines Institute of Pure and Applied Chemistry (PIPAC)	6	
	Survey for the Project of the Center for Rural Development Through Strengthening of Agro-industrial Livelihood Activities	6	
	Survey for the Establishment of the Alcohol Distillery	4	
	Survey for the Stable Supply of Electric Power in Manila	3	
	Survey for Matuno River Development Project	4	
	Survey for Collaborative Mineral Exploration	8	
	Survey for Rehabilitation of Thermal Power Station in Manila City	4	
	Survey for the Leyte -- Mindanao Interconnection Development	3	
		4	
	Survey for Establishment of Powdered Activated Carbon Plant	3	
	Survey for the Exploration of Water-Dissolved Natural Gas	4	
	Survey for the Acupan-Itogon Geothermal Development Project	4	
	Survey for the Bislig Coal Development Project	3	
	Singapore	Survey for the Productivity Development Project	6
		Survey for Environmental Effects of Power Stations and Steel Mill	4
	Sri Lanka	Survey for the Water Supply Schemes for Amparai Group of Towns	4
Survey for Telecommunication Network Improvement Project for Greater Colombo		3, 4	
	Survey for Colombo-Katunayake Expressway and New Port Access Road Construction Projects	3	
	Survey for Establishment of Pilot Demonstration Farm in Mahaweli	6	
	Survey for Fisheries Harbour Construction Project	6	
Thailand	Survey for Water Supply Projects in Detention Centres and Displaced Persons Camps	6	
	Survey for Flood-Protection/Drainage Project in Suburban Bangkok	1, 3	
	Survey for Bangkok Sewerage System Project	4	
	Survey for East Coast Water Resources Development Project	4	
	Survey for Chaopia Bridges Construction Project	4	
	Survey for the Development Project of Industrial Seafront Area in the Eastern Seaboard	3	
	Survey for the Rama VI Bridge Rehabilitation Project	4	
	Survey for the Second Stage Expressway System in the Greater Bangkok	4	
	Survey for the Thailand Coastal Shipping	3	
	Survey for the Establishment of Repair Shipyard	3	
	Survey for Railway Track Elevation Project in the Metropolitan Area in Bangkok	3	
	Survey for the Pipe-Line Construction in the East Coast	7	
	Survey for the Development Project of the Industrial Port on the Eastern Seaboard	1, 3, 4	
	Survey for East Coast Water Resources Development Project (Phase II)	4	



AREA COUNTRY	NAME OF DEVELOPMENT SURVEY	CLASSIFIED NO.
Thailand	Survey for the System Development Plan on Poverty Eradication Programme	3
	Survey for Road Development in Northeastern Region	4
	Survey for Comprehensive Development Project in Northern Region in South Thailand	1
	Survey for the Improvement of Traffic Safety Facility	3
	Survey for Roads Development in the Northern Region	4
	Survey for Bangkok Solid Waste Disposal System	1, 4
	Survey for Agricultural Development Research Project in North-eastern Region	11
	Survey for the Third Agricultural Development Cooperation Project in North-East Region	3
	Survey for the Feasibility Study on Mae Chang Irrigated Agriculture Development Project	3, 4
	Survey for the Lower-Northeast Medium Scale Irrigation Package Project	3, 4
	Survey for the Upper Pasak River Medium Scale Irrigation Project	4
	Survey for the Establishment of School Education & Culture Centre	6
	Survey for the Establishment for Irrigation Engineering Centre	6
	Survey for the Environment Improvement Project	6
	Survey for Construction Project on Labor Accident Rehabilitation Centre	6
	Survey for Monitoring and Evaluation System for Poverty Eradication Programme	6
	Survey for the Construction of Terminal Irrigation Facilities	6
	Survey for PHC Training Centre Project	6
	Survey for the Project on the Establishment of Inland Fisheries Centers	6
	Survey for the Project on the Establishment of Educational Broadcasting Production Centre of STOU	6
	Survey for Project of Joint Study by both Japan and U.S.A.	11
	Survey for Energy Conservation Project	3
	"	4
	Survey for the Establishment of the Integrated Cement Factory Using Oil Shale	3
	"	4
	Survey for MEA's Distribution System	4
	Survey for the Nam Yuam Hydroelectric Power	4
Survey for the San Kampaeng Geothermal Development Project	4	
Indonesia, Malaysia & Singapore	Survey for the Common Datum Chart Project in the Strait of Malacca, Singapore	2
Indonesia & Sri Lanka	Survey for the Indonesia -- Sri Lanka Submarine Cable Construction Project	3
Philippines, Thailand, Malaysia & Singapore	Survey for Identification in Mining, Industry and Power Development in the ASEAN	3
Philippines & Brunei	Survey for Project Identification in Asian Countries	3
Thailand & Philippines	Survey for Follow-up for Mining, Industry, and Power Development Project	9

AREA COUNTRY	NAME OF DEVELOPMENT SURVEY	CLASSIFIED NO.
<b>MIDDLE EAST</b>		
Algeria	Survey for Agricultural Cooperation in the Democratic and People's Republic of Algeria	3
	Survey for the Fetzara Lake Area Agricultural Development Project	3
	Survey for the Establishment of Sea Water Desalination Plant	3
	"	4
Egypt	Survey for Cold Storage Chain Development Project	3, 4
	Survey for the Fayoum Irrigation Project	3
	Survey for North Hussinia & South Port Said Agricultural Development Project	3, 4
	Survey for the Microwave Network between Cairo - Aswan & Wadi - Halfa	4
	Survey for the Safety Improvement of the Suez Canal	3
	Survey for 10th of Ramadan Agricultural Development Project	4
	Survey for Sharqiya Water Supply System	3
	Survey for Rice Technology Training Center (RITC)	6
	Survey for the Sinai Thermal Power Project	3
	"	4
	Survey for Project Identification in Mining & Industry	3
Jordan	Survey for the Ring Road of Irbid	4
Morocco	Survey for the Nador New Airport Construction Project	3
	Survey for Fishery Development Project	6
Oman	Survey for Wadi Jizi Agricultural Development Project	4
	Survey for Hydrologic Observation Project in the Batinah Coast Area of Northern Oman	4
	Survey for Collaborative Mineral Exploration	8
Saudi Arabia	Survey for Cancer Centre Establishment Project	7
	Survey for the Technical Cooperation on Sea Water Desalination	4
	"	4
Sudan	Survey for Soba University Hospital Medical Equipment Improvement Project	6
	Survey for the Establishment of Specialized-Cum-General Hospital	6
Turkey	Survey for Ankara Air Pollution Control Project	3
	Survey for the Besconak Hydroelectric Power Development	4
	Survey for the Zongldok Off-shore Coal Mine Development	4
North Yemen	Survey for the 7th Berth Construction Project of the Port of Hodeidah	4
U.A.E.	Survey for the Mariculture Center Project	7
<b>AFRICA</b>		
Botswana	Survey for Collaborative Mineral Exploration	8
Guinea	Survey for Topographic Mapping Project	2
Kenya	Survey for the Likoni & Kilifi Bridges Construction Project	3
	Survey for Likoni Crossing Construction Project	4
	Survey for Kilifi Bridge Construction Project	4
	Survey for Topographic Mapping Project of East Kenya	2
	Survey for Bura East Irrigation Project	3
	Survey for Kenya's National Transport System	1
	Survey for the Sondu River Hydroelectric Power Development	3
	Survey for the Rift Valley Geothermal Development Project	4
Liberia	Survey for St. John River Development Project	4
Mali	Survey for Underground Water Development Project	1
Mauritius	Survey for the Fishery Port Improvement Project	6

AREA COUNTRY	NAME OF DEVELOPMENT SURVEY	CLASSIFIED NO.
Mozambique	Survey for Fishery Development Project	6
Niger	Survey for Irrigation Agriculture Development Project of Kourani Baria Basin in Niger	3, 4
Nigeria	Survey for Benito Pole and Line Fishing Research Boat Project	6
Rwanda	Survey for Rural Water Supply in Eastern Area	3
Senegal	La Mission d'etude Japonaise pour le project d'alimentation des regions en eau au Senegal	6
Sierra Leone	Survey for Rhombe Swamp Agricultural Development	4
Swaziland	Survey for the Coal Development Project	4
Tanzania	Survey for Mkomazi Valley Area Irrigation Development Project	4
	Survey for the Construction of Storehouses for Food Grains	6
Upper Volta	Survey for Sebba-Gormgorn Road Construction Project	3
Zambia	Survey for the Establishment of the University of Zambia, School of Veterinary Medicine	6
	Survey for the Construction of Storehouses for Food Grains	6
	Survey for Kambilombilo State Farm Development Project	3
Zimbabwe	Survey for the Project on the Installation of Intelsat Standard and Earth Station	3, 4
	Survey for Rural Village Water Supply Programme in Binga & Gokwe Provinces	3, 4
	Survey for the Project on the Establishment of Aquaculture Centre	6
Gambia, Mauritania & Cape Verde	Survey for Evaluation of Grant-Aid Project	11
Tunisia, Algeria, Senegal & Ivory Coast	Survey for Project Identification in Middle Eastern and African Countries	3
<b>LATIN AMERICA</b>		
Argentina	Survey for the Industrial Use of Phosphate Rock	3
	Survey for Collaborative Mineral Exploration	8
	Survey for the Northern Newquen Geothermal Development	4
Bolivia	Survey for the Establishment of General Hospital in Santa Cruz	6
	Survey for the Rehabilitation Project of Bolivian National Railways	4
	Survey for National Telecommunication Network Project	4
	Survey for the Modernization of Mining Facilities	4
Brazil	Survey for Collaborative Mineral Exploration in San Antonio	8
	Survey for Comprehensive Development in Karajas Area	1
	Survey for Collaborative Mineral Exploration	8
Chile	Survey for Chilean State Railways Modernization Project	4
	Survey for Collaborative Mineral Exploration in Concepcion District	8
Colombia	Survey for Panplonita River Basin Agricultural Development Project	3
	Survey for the Urban Renovation in Barranquilla Urban Area	1, 3
	Survey for the Bogota - Buenaventura Road Project	4
	Survey for Collaborative Mineral Exploration	8
	Survey for the Sea Water Disalination Plant	4
	Survey for the Cauca Coal Development Project	3
	Survey for the Atorato River Hydroelectric Power Development	4
	Survey for the Sea Water Disalination Plant	3
Costa Rica	Survey for the Baja Talamanca Coal Development	4
Dominica	Survey for the Yuna River Hydroelectric Power	4
Ecuador	Survey for Catarama Project in the Costa, Ecuador	4

AREA COUNTRY	NAME OF DEVELOPMENT SURVEY	CLASSIFIED NO.
Ecuador	Survey for the Guayaquil City Urban Transportation Plan	4
	Survey for the Project of Small Scale Fisheries Development	6
	Survey for the Establishment of the Pulp and Paper Mill	4
	"	3
Guatemala	Survey for Flood Control Project	3
	Survey for Collaborative Mineral Exploration	8
Honduras	Survey for Construction Project of Agricultural Development Center	6
	Survey for the Forest Inventory	10
Mexico	Survey for Coastal Fishery Resources	10
	Survey for New High Speed Railway Development Project in the State of Guanajuato	3
	Survey for Technical Cooperation Program for Construction of Sea-front Industrial Area	4
	Survey for the Development Project of the Industrial Port of Tuxpan	3, 4
	Estudio de Diseno Basico para el Proyecto de la Ampliacion de las instalaciones de las Escuelas vinculadas con Japon	6
	Survey for Collaborative Mineral Exploration	8
Panama	Survey for the Urban Transport in Panama Metropolitan Area	1
	Survey for Short-wave Broadcast Station Project	11
	Survey for the Forest Inventory	10
	Survey for Experimental Fishing Program in the Atlantic	10
Paraguay	Survey for National Telecommunications & Broadcasts Development Project	4
	Survey for Establishing Energy-intensive Industry	3
	Survey for the Master Plan on Irrigation and Drainage Project in the Adjacent Area to the Yacyreta Dam	1, 3
	Survey for Capiibary Afforestation Project	3
Peru	Survey for Forest Inventory in Northeastern Region	10
	Survey for Marine Products Development Project	6
	Survey for Topographic Mapping Project	2
	Survey for the Development Project of the Port of Callao	4
	Survey for Aricota Hydroelectric Power Development Project	3
	"	4
	Survey for Collaborative Mineral Exploration	8
Survey for the Establishment of PVC Plant Complex	3	
Bolivia & Paraguay	Survey for Project Evaluation	11
Peru, Paraguay & Argentina	Survey for Project Identification in Latin American Countries	3
<b>OCEANIA</b>		
Fiji	Survey for Fisheries Resources in Fiji Waters	10
Kiribati	Survey for Intra-islands Vessel	6
Solomon Islands	Survey for Fisheries Promotion Project	6
	Survey for the Lake Te Nggano Bauxite Project	4
Tonga	Survey for the Vavair High School Project	6
Western Samoa	Survey for District Hospitals Reconstruction Project	6
Solomon, Western Samoa & Tuvalu	Survey for Evaluation of Japanese Grant Aid Projects	11

AREA COUNTRY	NAME OF DEVELOPMENT SURVEY	CLASSIFIED NO.
Thailand, Philippines, Malaysia, Indonesia, Singapore, Bangladesh, Pakistan, Egypt, Brazil	Survey for Economic and Technical Cooperation in the ASEAN and Others	3
Zimbabwe Morocco & Thailand	Survey for the Project Finding for Collaborative Mineral Exploration	3
Peru, Kenya & Indonesia	Survey for Project Finding	3
Bolivia & Indonesia	Survey for Follow up for Cooperative Mineral Resources Exploration	9

## 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 a Japanese private enterprise, 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 1982

The Agency provided grant-aid cooperation for 81 overseas projects, as listed below;

Performance of Capital Grant Aid in Fiscal 1982

AREA COUNTRY	CASE
<b>ASIA</b>	
Bangladesh	Establishment of the National Broadcasting House of Radio Bangladesh Construction of Food Grains Storehouses in Bangladesh
Burma	Equipment Supply for General Hospital of Dhaka in Bangladesh Establishment of the General Hospital in Rangoon Establishment of the Agricultural Training and Development Center Improvement and Expansion of Color TV Facilities in Burma
China Indonesia	Construction of China-Japan Friendship Hospital Construction of Radio & Television Broadcast Training Center Establishment of Quaternary Geology Laboratory in Indonesia
Laos	Improvement of Vientiane Water Supply System
Malaysia	Establishment of the Center for Instructor and Advanced Skill Training (CIAST) Construction of Japanese Language School, Malaya University
Maldives	Establishment of Schools for Primary Education
Nepal	Construction of Teaching Hospital of Tribhuvan University in Nepal Establishment of Electric Power Distribution Network in Kathmandu Region The Rural Water Supply
Pakistan	Equipment Supply for Malaria Training & Research Center Equipment Supply for the Construction of Darya Khan-Dera Ismail Khan Bridge Equipment Supply for the Construction of Highways in Frontier Regions Establishment of Childrens' Hospital in Pakistan The Domestic Water Supply at Saranan
Philippines	Construction of Geophysical/Geological Survey Vessel Construction of the Philippine Institute of Pure and Applied Chemistry (PIPAC) Improvement of Philippine Refugee Processing Center Establishment of the Center for Rural Development through Strengthening of Agro-Industrial Activities
Sri Lanka	Construction of Sri Jayewardenepura General Hospital Establishment of Pilot Demonstration Farm in Mahawele Construction of Fisheries Harbour
Thailand	Construction of Forest Development Research and Training Center Establishment of National Export Training Institute Establishment of Educational Broadcasting Production Center of STOU Establishment of PHC Training Center Improvement of Flood-protection/Drainage in Suburban Bangkok Equipment Supply for Monitoring and Evaluation System for Poverty Eradication Programme Construction of Terminal Irrigation Facilities in Thailand Improvement of Environment in Thailand Establishment of Inland Fisheries Centers
<b>MIDDLE EAST</b>	
Egypt	Construction of Rice Cultivation Mechanization Center Equipment Supply for High-quality Seed Production Renovation of the Equipment for the Radiology Department of Ain Shams University
Sudan	Establishment of the Specialized Hospital of Jartum The Water Supply Improvement Improvement of Medical Equipment for Soba University Hospital
North Yemen	Construction of the Facilities for Rural Water Supply

AREA COUNTRY	CASE
<b>AFRICA</b>	
Cape Verde	Equipment Supply for Reinforcement of the Existing Structure of Sonte
Gambia	Equipment Supply for the Expansion of Kotu Power Station
Ghana	Equipment Supply for the Expansion of National Primary Health Care in Ghana
Guinea	Supply of Vehicle and Medical Materials for the Improvement of Sanitary Facilities
Kenya	Construction of Kenya Medical Research Institute Equipment Supply for the Extension of Water Supply Pipelines of Ithanga Region
Liberia	Establishment of a Hospital Monrovia
Madagascar	Supply of Small Fishing Boats and Equipment for Fisheries Promotion in Madagascar Supply of Vehicles (Buses, Ambulances, etc.) for the Improvement of Antananarive City
Malawi	Equipment Supply for the Improvement of Roads
Mali	Equipment Supply for the Reinforcement of Sanitary Services
Mozambique	Construction of Facilities for Fishery Development in Mozambique
Niger	Equipment Supply for the Exploration of underground Water
Senegal	Construction of Vocational Training Center in Senegal Improvement of the Water Supply System for Rural Area
Seychelles	Equipment Supply for the System of Praslin Treated Water Supply
Tanzania	The Educational Equipment Improvement of the Dar es Salaam Technical College
Togo	Improvement of Medical Equipment
Upper Volta	Improvement of Rural Equipment and Materials for the Excavation of Well
Zaire	Equipment Supply for the Improvement of City Roads
Zambia	Establishment of the Paediatric Surgical Center in the University Teaching Hospital Equipment Supply for the Improvement of Roads
Zimbabwe	Supply of Trucks for the Reinforcement of the Transportation Facilities for Agriculture Equipment Supply for the Improvement of Medical Instruments
<b>LATIN AMERICA</b>	
Bolivia	Construction of Trinidad Maternity & Paediatric Hospital
Colombia	Construction of Bridges and Training Vessels for the Development of the Coastal Fisheries
Ecuador	Construction of Training Vessel for the Development of Small Scale Fisheries
Honduras	Construction of Agricultural Development and Training Center in Honduras Supply of Equipment and Instruments for the Control of Malaria and Dengue
Peru	Equipment Supply for the Expansion of National System of People's Cooperatives Construction of Facilities for the Development of Marine Products
<b>OCEANIA</b>	
Kiribati	Construction of Facilities and Equipment Supply for Intra-Islands Vessel in the Republic of Kiribati
Micronesia	Equipment Supply for the Development of Local and Rural Road Network
Palau	Equipment Supply for the Improvement and Development of the Coconut Plantation
Solomon	Construction of Fisheries Center and Equipment Supply for the Promotion of Fisheries in Solomon Islands
Tonga	Equipment Supply for the Development of Artisanal Fisheries
Western Samoa	Reconstruction of District Hospital



## 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.

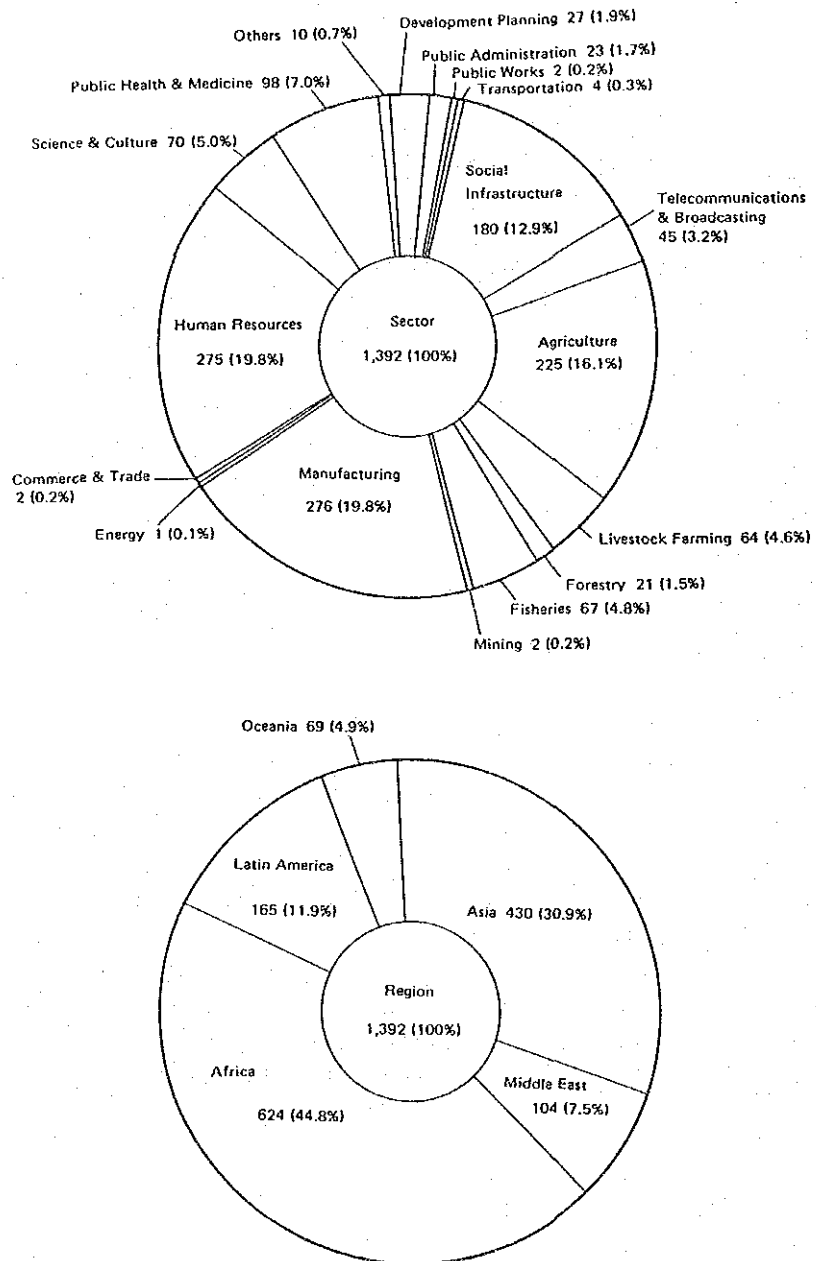
The sector covered by this programme has a wide range and includes agriculture, forestry and fisheries, civil engineering and construction, health and hygiene, mining and manufacturing and even education, sports and other fields.

#### 2. Performance in 1982

There were 441 volunteers sent overseas in 1982, bringing the total to 1,392 including those in service from the preceding year on. The cumulative number has reached 4,403 since the JOCV programme was initiated in 1965. Of the total figure 1,392 for 1982, 624 (44.8%), the largest number, was assigned to Africa. This was followed by 430 (30.9%) to Asia, 165 (11.8%) to Latin America, 104 (7.5%) to the Middle East, 69 (4.9%) to Oceania. By country, the largest number, 183 was assigned to Malawi, followed by 164 to Kenya and 124 to the Philippines. In the distribution by sector, the largest ratio was accounted for by manufacturing with 276 (19.8%), followed by human resources with 275 (19.7%).

**Fig. 1 Number of Japan Overseas Cooperation Volunteers Dispatched by Sector and Region (1982) (including those in service from the preceding year on)**

Unit: Person



**Fig. 2 Total Number of Japan Overseas Cooperation Volunteers Dispatched by Sector and Region (1965–1982)**

Unit: Person

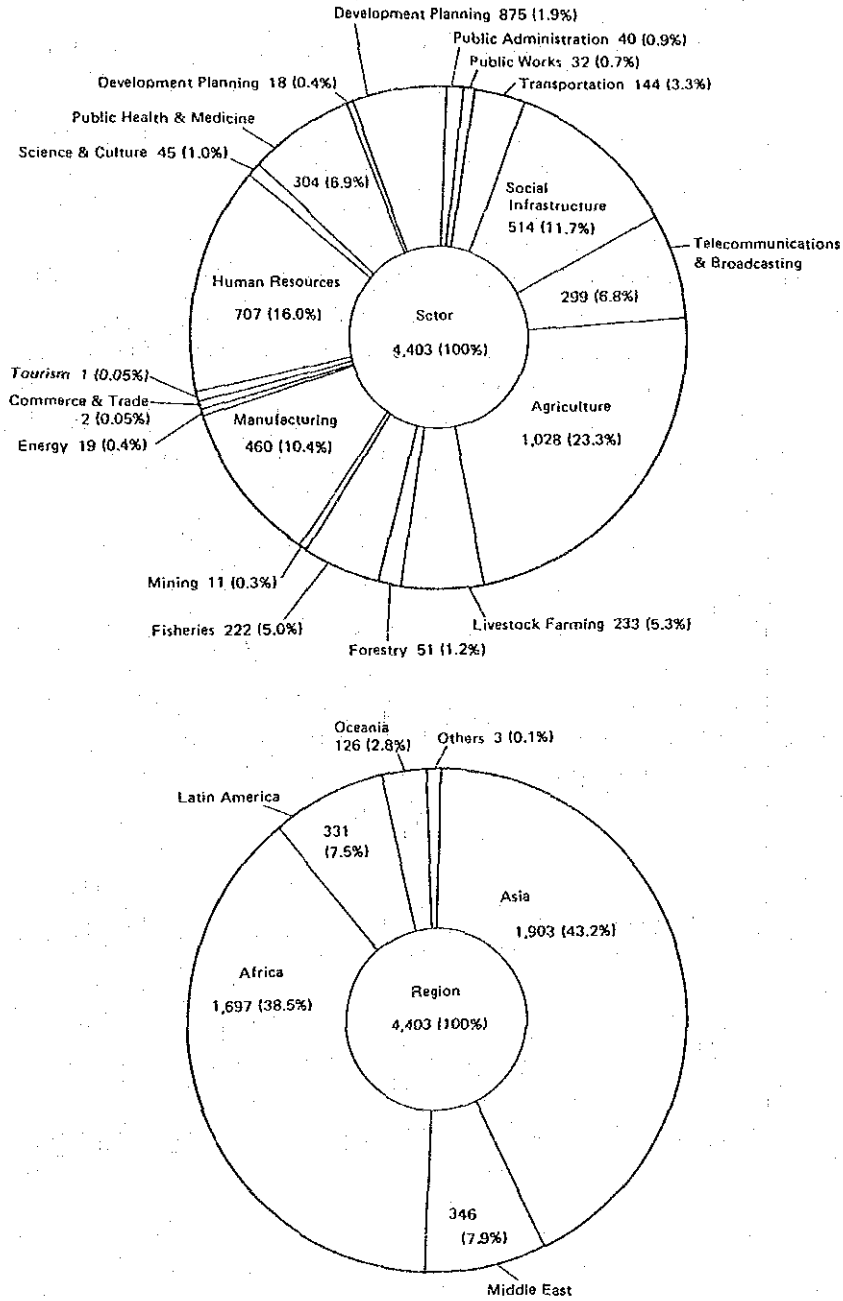
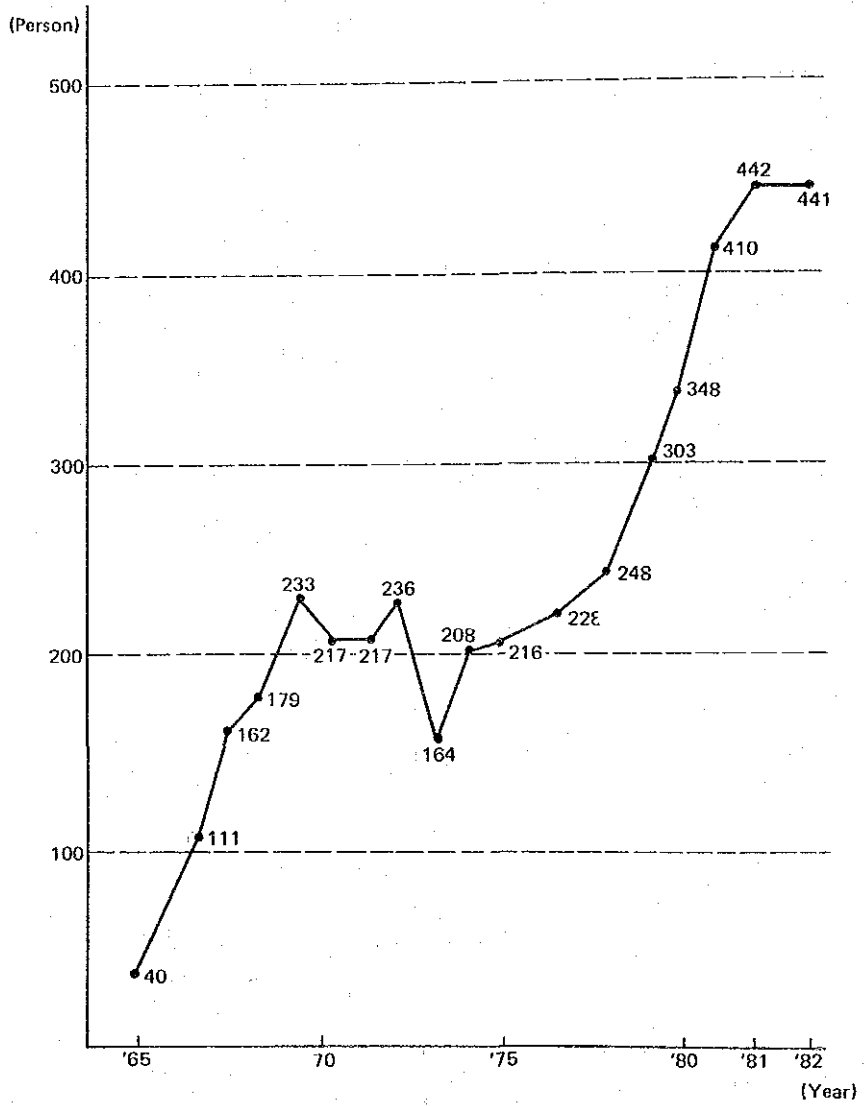


Fig. 3 Number of Japan Overseas Cooperation Volunteers Dispatched by Year



## 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, 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 1982

During the fiscal 1982, the Agency consented to give 2,739 million yen for 7 experimental projects and the expansion of 2 facilities. The loans totaled 5,120 million yen for 18 projects. On the contract basis, loans for the expansion of facilities reached 1,302 million yen and those for experimental projects 1,607 million yen, totaling 2,909 million yen. Basic surveys and technical guidance conducted during fiscal 1982 were as follows:

Basic surveys	
Basic surveys related to facilities	1
Basic surveys related to experimental projects	10
Technical guidance	
Dispatch of experts	26
Acceptance of overseas trainees	28

## 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 meeting 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 1982

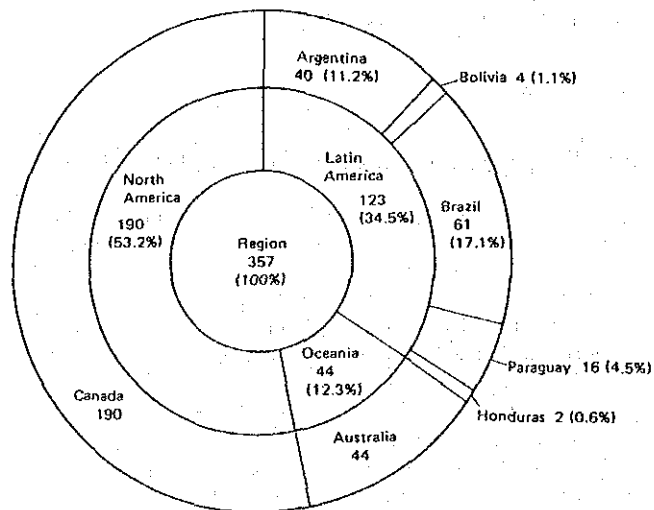
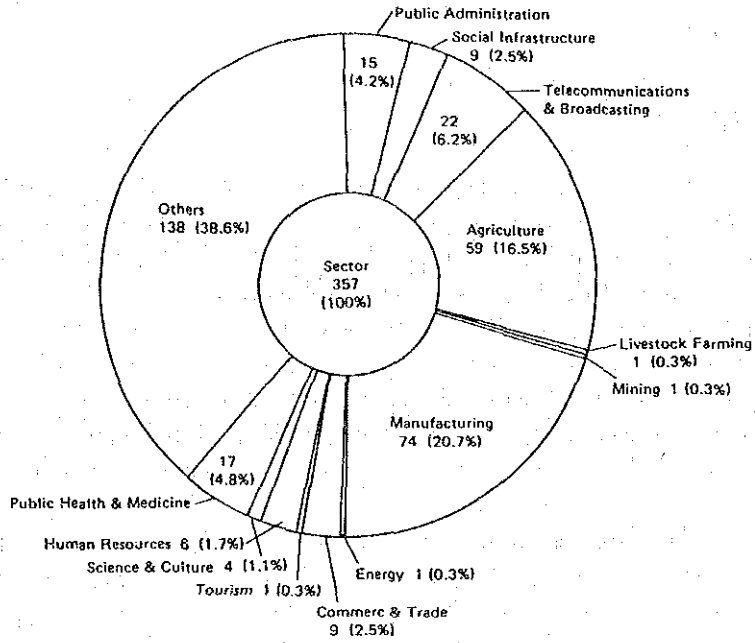
During fiscal 1982, 357 Japanese emigrated to five Latin American countries — Brazil, Paraguay, Argentina, Bolivia, and Honduras. Qualification certificates for the emigration to Canada were issued to 190 persons. Australia accepted 44 persons.

Consultations about overseas emigration totaled 4,477 cases during fiscal 1982 (878 cases for Latin America, 2,915 cases for North America, and Australia, and 684 for other destinations). Subjects of consultation 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 Emigration by Sector and Region (1982)

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 1982

In 1982, this programme was conducted as follows:

Programmes	Participants
Pre-Departure Orientation Programme	504
Individual Language Training Programme	69
Technical Training Programme	49
Would-be Experts Training Programme	126
Overseas Training Programme	31
Special Technical Training Programme	9
Comprehensive Training Programme	20
Total	808 Persons



## **Appendices (Statistics)**

Performance of Technical Cooperation by Region, Country, Type of Cooperation and Sector (As of March 31, 1983)

Region, Country, Organization	Type of Cooperation	Public Works & Utilities										Agriculture, Forestry & Fisheries				Mining & Industry		Energy			Commerce & Tourism			Human Resources Development			Public Health & Medicine		Social Welfare	Others
		Development	Planning	Public Administration	Public Works	Transportation	Social Infrastructure	Telecommunications	Broadcasting	Agriculture	Forestry	Fishing	Mining	Manufacturing	Electricity	Hydro	Thermal	Renewable	Commerce & Tourism	Trade	Transportation	Human Resources	Science & Culture	Public Health & Medicine	Social Welfare	Others				
AISA	Trainees	849	16	126	4	72	54	83	125	15	7	18	16	119	9	38	11	16	4	102	9	7								
	Experts	99	1	11	5	7	21	7	4	1	1	4	1	16	1	2	1	1	2	11	3	2								
	Survey Team Members	318	3	1	11	14	96	1	21	1	1	5	1	12	1	1	1	1	1	59	1	6								
	Volunteers	67	4	1	4	7	160	45	23	1	1	4	1	52	16	10	1	1	1	1	58	1	19							
		170	1	1	3	7	2	113	7	1	1	9	1	17	1	1	1	1	1	1	5	1	2							
Bangladesh	Trainees	96	1	25	1	1	5	31	2	1	1	1	4	1	3	9	5	1	1	1	1	9								
	Experts	10	3	1	1	1	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1								
	Survey Team Members	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1								
	Volunteers	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1								
		7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1								
Bhutan	Trainees	937	3	48	13	122	88	55	143	29	35	30	45	142	15	14	9	39	2	100	9	16								
	Experts	110	6	2	12	14	5	22	5	4	3	13	24	2	2	1	3	2	1	136	2	2								
	Survey Team Members	318	10	1	1	22	96	33	28	24	18	1	34	22	1	1	1	22	1	65	1	4								
	Volunteers	48	1	1	1	13	17	5	6	7	7	1	14	1	1	1	1	1	1	1	1	1								
		666	7	1	8	33	58	35	174	30	22	3	141	52	1	1	1	17	1	72	1	14								
Burma	Trainees	75	7	1	1	13	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1								
	Experts	9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1								
	Survey Team Members	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1								
	Volunteers	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1								
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1								

\* Cumulative operations (April 1984 - March 1983)

\*\* Operations in FY 1982

\*\*\* Of FY 1982 operations, only those continued from FY 1981 on.









Region, Country, Organization	Type of Cooperation	Planning & Administration			Public Works & Utilities				Agriculture, Forestry & Fisheries				Mining & Industry			Energy			Commerce & Tourism			Human Resource Development			Public Health & Medicine	Social Welfare	Others
		Development	Public Administration	Public Works	Trans-Portation	Social Infrastructure	Telecommunications & Broadcasting	Agriculture	Livestock Farming	Forestry	Fisheries	Mining	Manufacturing	Hydro-Electricity	Thermal	Nuclear	Commerce & Trade	Tourism	Human Resources	Science & Culture	Public Health & Medicine	Social Welfare	Others				
Taiwan	Trainees	1,850	10	140	26	103	74	102	467	118	46	102	60	148	33	50	7	213	-	118	1	32	-	-	-		
	Experts	198	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)		
	Survey Team Members	81	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)		
		***	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	
Hong Kong	Trainees	190	-	48	-	17	1	3	2	1	1	1	19	1	1	1	1	1	1	2	5	3	-	-	-		
	Experts	23	(-)	8	(-)	4	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)		
		***	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	
Molucca	Survey Team Members	125	-	-	-	79	46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Experts	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)		
		***	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	
Mekong	Survey Team Members	342	-	-	-	-	228	-	3	-	-	-	8	-	-	-	-	-	-	-	-	-	-	-	-		
	Experts	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)		
		***	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	
Unspecified	Trainees	20	-	-	1	1	-	2	1	-	-	6	2	2	2	-	-	-	-	-	-	-	-	-	-		
	Experts	97	22	10	-	18	6	5	6	1	2	1	2	-	-	-	-	-	-	-	-	-	-	-	-		
	Survey Team Members	1,104	114	27	-	46	126	37	250	16	62	3	39	41	-	-	-	-	-	-	-	-	-	-	-		
		108	13	6	-	3	-	6	13	-	14	-	10	-	-	-	-	-	-	-	-	-	-	-	-		
Total for Asia	Trainees	28,026	476	3,556	301	2,466	1,656	1,969	4,664	716	514	1,202	491	3,015	478	822	233	1,876	62	2,625	269	635	-	-	-		
	Experts	2,388	17	283	37	198	172	168	322	47	62	66	59	320	49	47	7	104	42	240	80	75	-	-	-		
	Survey Team Members	17,397	970	88,763	2,157	2,624	830	3,117	116	549	277	932	1,066	1,156	43	155	45	451	26	787	66	1,224	-	-	-		
	Volunteers	429	7	4	-	1	29	5	108	24	10	26	1	104	1	-	-	68	23	18	-	-	-	-	-		
	303	(6)	(3)	(-)	(-)	(2)	(86)	(18)	(9)	(21)	(1)	(63)	(-)	(-)	(-)	(-)	(45)	(17)	(11)	(-)	(-)	(-)	(-)	(-)	(-)		





Region, Country, Organization	Type of Cooperation	Planning & Administration				Public Works & Utilities				Agriculture, Forestry & Fisheries				Mining & Industry		Energy		Commerce & Tourism		Human Resources Development		Public Health & Medicine	Social Welfare	Others
		Development Planning	Public Administration	Public Works	Transportation	Social Infrastructure	Recreation & Broadcasting	Agriculture	Livestock Rearing	Forestry	Fisheries	Mining	Manufacturing	Energy	Commerce & Trade	Tourism	Human Resources	Science & Culture						
Iraq	Trainees	622	94	11	70	56	105	19	5	5	7	5	88	10	30	5	38	1	40	7	1			
	Experts	55	21	(2)	(2)	(1)	(2)	1	1	(-)	(-)	(-)	(3)	(-)	(-)	(-)	(-)	1	6	5	(-)			
	Survey Team Members	72	6	2	2	5	6	1	1	(-)	(-)	(-)	28	(-)	(-)	(-)	16	(-)	2	3	(-)			
Israel	Trainees	(2)	(-)	(-)	(-)	(-)	(2)	2	(-)	(-)	(-)	(-)	26	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)			
	Experts	78	(-)	7	(-)	(-)	11	34	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)			
	Survey Team Members	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)			
Jordan	Trainees	5	(-)	(-)	(-)	(-)	(-)	5	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)			
	Experts	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)			
	Survey Team Members	140	14	11	6	9	52	9	(-)	(-)	2	1	15	5	2	(-)	10	(-)	(-)	3	(-)			
Kuwait	Trainees	14	(-)	(-)	(-)	(-)	7	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)			
	Experts	25	6	(-)	(-)	(-)	17	(-)	(-)	(-)	(-)	2	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)			
	Survey Team Members	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	13	(-)	(-)	(-)	4	(-)	(-)	(-)	(-)			
Lebanon	Trainees	150	49	(-)	19	40	25	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)			
	Experts	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)			
	Survey Team Members	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)			
Libya	Trainees	108	5	4	1	3	74	1	(-)	(-)	(-)	9	1	1	1	(-)	6	(-)	3	(-)	(-)			
	Experts	10	(-)	(-)	(-)	(-)	6	(-)	(-)	(-)	(-)	1	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)			
	Survey Team Members	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)			
Libya	Trainees	24	(-)	(-)	(-)	(-)	2	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)			
	Experts	3	(-)	(-)	(-)	(-)	6	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)			
	Survey Team Members	(2)	(-)	(-)	(-)	(-)	(2)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)			
Libya	Trainees	21	(-)	(-)	3	1	3	2	2	4	4	3	1	1	1	1	1	1	1	1	1			
	Experts	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)			
	Survey Team Members	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)			
Libya	Trainees	14	(-)	(-)	(-)	(-)	1	4	(-)	(-)	3	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)			
	Experts	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)			
	Survey Team Members	6	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)			
Libya	Trainees	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)			
	Experts	49	(-)	4	1	2	17	2	1	3	2	8	2	1	1	2	1	1	1	1	4			
	Survey Team Members	2	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)			



Region, Country, Organization	Type of Cooperation	Planning & Administration				Public Works & Utilities						Agriculture, Forestry & Fisheries					Mining & Industry		Energy			Commerce & Tourism			Human Resources Development			Public Health & Medicine	Social Welfare	Others
		Development	Public Administration	Public Works	Transportation	Social Infra-structure	Telecommunications & Broadcasting	Agriculture	Livestock Farming	Forestry	Fisheries	Mining	Mining & Industry	Manufacturing	Energy	Commerce	Trade	Tourism	Human Resources	Science & Culture	Public Health & Medicine	Social Welfare	Others							
Syria	Trainees	153	9	6	3	19	15	24	5	18	5	2	13	10	4	1	1	8			9	1	1	1						
	Experts	(-)	(-)	(-)	(-)	(-)	2	(-)	1	(-)	1	1	(-)	(-)	(-)	(-)	(-)	2			(-)	(-)	(-)	(-)	(-)	(-)				
	Survey Team Members	1	1	1	1	3	7	1	1	37	1	1	1	1	1	1	1	2			(-)	(-)	(-)	(-)	(-)	(-)	(-)			
	Volunteers	15	(-)	(-)	(-)	(-)	(-)	1	1	11	1	1	1	1	1	1	1	3			(-)	(-)	(-)	(-)	(-)	(-)	(-)			
		(-)	(-)	(-)	(-)	(-)	9	4	3	23	4	9	2	13	1	1	1	5			(-)	(-)	(-)	(-)	(-)	(-)	(-)			
	(-)	(-)	(-)	(-)	(-)	2	4	(-)	(10)	(-)	(5)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)				
Tunisia	Trainees	72	1	2	1	3	1	3	1	1	17	1	8	8	1	2	13			12	1	1	1	1	1	1				
	Experts	(-)	(-)	(-)	(-)	(-)	2	(-)	(-)	3	(-)	(-)	(-)	(-)	(-)	(-)	3			2	(-)	(-)	(-)	(-)	(-)	(-)				
	Survey Team Members	48	2	1	1	1	1	1	1	1	20	10	10	14	1	1	1			14	(-)	(-)	(-)	(-)	(-)	(-)	(-)			
	Volunteers	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	10	(-)	(-)	(-)	(-)	(-)	(-)			2	(-)	(-)	(-)	(-)	(-)	(-)	(-)			
		(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	72	(-)	(-)	37	(-)	(-)	(-)			12	(-)	(-)	(-)	(-)	(-)	(-)	(-)			
		71	3	1	1	1	1	1	1	1	3	(-)	(-)	(-)	(-)	(-)	(-)			(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)			
		(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)			(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)			
Turkey	Trainees	621	6	42	11	65	48	77	25	2	2	37	112	51	9	41			29	3	3	1	1	1	1	1				
	Experts	43	3	3	2	2	4	4	1	1	1	4	9	3	1	3	2			3	2	1	1	1	1	1	1			
	Survey Team Members	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)			(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)			
	Volunteers	107	1	1	1	3	12	1	1	1	33	33	3	16	1	3	1			2	1	1	1	1	1	1	1			
		(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)			(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)		
North Yemen	Trainees	20	1	1	1	1	2	2	1	1	1	1	1	3	1	1			5	1	1	1	1	1	1	1	1			
	Experts	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)			(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)			
	Survey Team Members	19	1	1	1	1	3	1	1	1	1	1	1	1	1	1			(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)			
		89	1	1	22	30	1	1	1	29	1	1	1	1	1	1			(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)			



Region, Country, Organisation	Type of Cooperation	Planning & Administration			Public Works & Utilities				Agriculture, Forestry & Fisheries				Mining & Industry		Energy		Commerce & Tourism			Human Resources Development		Public Health & Medicine	Social Welfare	Others	
		Development	Admin.	Financ.	Public Works	Transportation	Social Infra-structure	Telecommunications & Broadcasting	Agriculture	Livestock Farming	Forestry	Fisheries	Mining	Mining & Industry	Electricity	Commerce	Trade	Tourism	Human Resources	Science & Culture	Public Health & Medicine				
Botswana	Trainees	6	(-)	(-)	(-)	(-)	(-)	2	(-)	(-)	(-)	(-)	(-)	4	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	Experts	3	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	5	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	Survey Team Members	42	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	42	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
		9	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	9	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
Burundi	Trainees	3	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
		3	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
Cameroon	Trainees	13	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	1	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	Survey Team Members	7	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
		7	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
		7	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
Cape Verde	Experts	2	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	Survey Team Members	7	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
		7	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
		7	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
Central Africa	Trainees	16	(-)	(-)	(-)	(-)	(-)	4	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	Experts	7	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
		7	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
		7	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
Chad	Trainees	2	(-)	(-)	(-)	(-)	(-)	2	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
		2	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
		2	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
		2	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)

Region, Country, Organization	Type of Cooperation	Planning & Administration			Public Works & Utilities				Agriculture, Forestry & Fisheries				Mining & Industry		Energy	Commerce & Tourism			Human Resources Development		Public Health & Medicine	Social Welfare	Others					
		Development Planning	Public Administration	Public Works	Transportation	Sanitation	Telecommunications	Roads & Roadside	Agriculture	Livestock & Farming	Forestry	Fisheries	Mining	Mining & Industry		Commerce & Trade	Tourism	Human Resources	Science & Technology									
Comoros	Trainees	3			2																							
	Experts	2			2																							
	Survey Team Members	4																										
		3																										
Congo	Trainees	3																										
	Experts	3																										
	Survey Team Members	2			2																							
		2																										
Djibouti	Survey Team Members	2																										
		2																										
Ethiopia	Trainees	287	1	11	20	24	12	81	13	1	8	1	22	40	5	10	20											
	Experts	17	(9)	(4)	(4)	(4)	(4)	(0)	1	1	(4)	(4)	(4)	6	(2)	(4)	(4)											
	Survey Team Members	71	4	10	10	12	8	3	5	3	1	3	1	3	1	3	1											
		112	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	14	4	21	(4)											
	Volunteers	99	(4)	4	2	11	20	15	11	2	3	1	9	5	2	2	7											
		17	(10)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)										
Gabon	Trainees	28	1	1	1	1	1	1	9	1	3	1	2	1	1	1	2											
	Experts	14	(9)	(4)	(4)	(4)	(4)	(0)	2	1	(4)	(4)	(4)	1	(4)	(4)	(8)											
	Survey Team Members	1	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)											



Region, Country, Organization	Type of Cooperation	Planning & Administration				Public Works & Utilities				Agriculture, Forestry & Fisheries				Mining & Industry		Energy			Commerce & Tourism				Human Resources Development			Public Health & Social Welfare		Others
		Development Training	Public Administration	Public Works	Transportation	Social Infrastructure	Telecommunications & Broadcasting	Agriculture	Livestock Farming	Forestry	Fisheries	Mining	Mining & Industry	Manufacturing	Electricity	Communications & Trade	Tourism	Human Resources	Science & Culture	Public Health	Social Welfare							
Kenya	Trainees	386	2	13	8	27	44	89	46	4	23	1	29	9	14	1	33	1	31	4	8							
	Experts	74	(2)	(1)	(3)	(2)	(9)	(1)	(5)	(1)	(5)	(-)	(7)	(6)	(-)	(-)	(4)	(1)	(4)	(-)	(-)	1						
	Survey Team Members	310	13	(-)	14	1	15	29	42	(-)	5	6	11	2	4	1	20	4	118	(-)	(-)	4						
	Volunteers	80	(-)	(-)	5	(-)	3	13	14	(-)	(-)	(-)	(4)	(-)	(-)	(-)	(-)	(16)	(-)	17	(-)	(-)	3					
	Trainees	457	14	(-)	36	44	176	15	26	6	8	1	1	8	1	35	1	12	1	6	(-)	(-)	4					
	Experts	107	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	4					
Lesotho	Trainees	444	2	4	2	52	77	30	80	(-)	26	3	46	2	(-)	(-)	106	3	(-)	(-)	15							
	Experts	164	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	1						
	Survey Team Members	122	(3)	(-)	(-)	(-)	(31)	(7)	(21)	(-)	(4)	(-)	(16)	(-)	(-)	(-)	(36)	(4)	(-)	(-)	(-)	1						
	Volunteers	6	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	1					
	Trainees	3	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	1					
	Experts	(1)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	1					
Liberia	Trainees	102	2	6	1	5	9	21	22	3	1	1	4	2	8	2	3	1	11	(-)	(-)	1						
	Experts	24	(-)	(-)	(-)	(-)	(2)	(-)	(3)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(2)	(-)	(-)	(-)	(-)	1						
	Survey Team Members	19	(-)	(-)	(-)	(-)	8	3	5	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	1						
	Volunteers	77	(-)	(-)	(-)	(-)	33	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	30	(-)	(-)	(-)	(-)	(-)	14						
	Trainees	2	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	1					
	Experts	27	1	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	1					
Madagascar	Trainees	57	1	1	2	5	2	15	5	8	2	3	4	3	(-)	(-)	(-)	(-)	(-)	(-)	(-)	1						
	Experts	10	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	1					
	Survey Team Members	29	1	(-)	2	(-)	1	(-)	8	14	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	1						
	Volunteers	11	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	1					
	Trainees	133	(-)	(-)	19	(-)	13	15	(-)	46	(-)	6	7	(-)	(-)	22	(-)	(-)	(-)	(-)	(-)	(-)	1					
	Experts	5	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	1					
Malawi	Trainees	19	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	1						
	Experts	6	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	1					
	Survey Team Members	4	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	1					
	Volunteers	183	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	1					
	Trainees	424	1	11	3	16	87	17	16	8	5	5	43	1	(-)	(-)	95	3	102	(-)	(-)	11						
	Experts	134	(1)	(5)	(1)	(-)	(22)	(5)	(6)	(2)	(3)	(-)	(27)	(-)	(-)	(-)	(34)	(2)	(27)	(-)	(-)	(-)	2					



Region, Country, Organization	Type of Cooperation	Planning & Administration			Public Works & Utilities			Agriculture, Forestry & Fisheries				Mining & Industry		Energy	Commerce & Tourism			Human Resources Development			Public Health & Medicine	Social Welfare	Others			
		Development Planning	Public Administration	Public Works	Transportation	Social Infrastructure	Telecommunications	Broadcasting	Agriculture	Livestock Farming	Forestry	Fisheries	Mining		Manufacturing	Commerce	Trade & Tourism	Human Resources	Science & Culture							
Mali	Trainees	20	1	1	1	2	4	3	1	1	1	5	1	1	1	2	1	1	1	1	1	1	1	1		
	Experts	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	Survey Team Members	102	2	23	11	1	1	43	1	1	1	14	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mauritania	Trainees	5	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	Experts	16	1	1	1	1	1	1	1	1	15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Survey Team Members	40	1	1	1	1	1	4	1	1	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mauritius	Trainees	9	1	1	1	6	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Experts	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Survey Team Members	89	1	1	1	1	1	1	1	1	14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mozambique	Trainees	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Survey Team Members	6	1	1	1	1	1	1	1	1	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Experts	10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Niger	Trainees	9	1	1	1	1	2	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1
	Experts	10	1	1	1	1	3	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Survey Team Members	70	12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Region, Country, Organization	Type of Cooperation	Planning & Administration				Public Works & Utilities				Agriculture, Forestry & Fisheries				Mining & Industry		Energy		Commerce & Tourism		Human Resources Development			Social Welfare	Others
		Development Planning	Public Administration	Public Works	Transportation	Social Infrastructure	Telecommunications & Broadcasting	Agriculture	Livestock & Farming	Forestry	Fisheries	Mining	Mining & Industry Factories	Electricity	Commerce & Trade	Hotels & Tourism	Health Resources	Science & Technology	Public Health & Nutrition					
Nigeria	Trainees	394	10	1	42	12	41	45	1	2	22	8	99	12	14	2	26	-	40	3	5			
	Experts	60 (35)	3	1	3	1	3	4	1	1	1	42	1	1	1	1	1	1	1	1	1	1		
	Survey Team Members	96	2	1	1	7	8	5	1	3	1	(35)	4	4	2	10	5	5	52	2	1	2		
		8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Rwanda	Trainees	17	1	1	6	1	7	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1		
	Experts	12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
	Survey Team Members	20	1	1	1	1	15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
		3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Sao Tome And Principe	Survey Team Members	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Senegal	Trainees	39	1	1	1	3	6	1	1	6	1	6	1	6	1	1	1	1	1	1	1	1		
	Experts	10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
	Survey Team Members	79	1	1	1	26	8	1	1	6	1	7	1	1	1	1	1	1	1	1	1	1		
		14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
	Volunteers	28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Seychelles	Trainees	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
	Survey Team Members	8	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		

Region, Country, Organization	Type of Contribution	Planning & Administration			Public Works & Utilities				Agriculture, Forestry & Fisheries				Mining & Industry		Energy			Commerce & Tourism			Human Resources Development			Public Health & Medicine	Social Welfare	Others					
		Development	Public Administration	Public Works	Trans- portation	Social Infra- structure	Telecommuni- cation	Agriculture	Livestock	Fishing	Forestry	Fisheries	Mining	Mining & Manu- facturing	Hydro- power	Electricity	Trade & Commerce	Travel & Tourism	Human Resources	Science & Technology	Culture										
Sierra Leone	Trainees	23	1	1	3	1	4	4	1	1	1	1	3	1	1	1	1	2	1	1	1	1	1	1	1	1					
	Experts	7	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)				
	Survey Team Members	2	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)			
Somalia	Trainees	25	3	1	6	1	6	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1				
	Experts	4	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)			
	Survey Team Members	12	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)			
Swaziland	Trainees	9	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)			
	Experts	13	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)		
	Survey Team Members	6	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	
Tanzania	Trainees	356	13	14	1	26	39	43	67	1	1	1	15	9	4	11	7	10	4	30	4	4	4	4	4	4	4				
	Experts	57	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	
	Survey Team Members	166	18	5	1	11	22	7	35	2	3	3	3	20	1	8	7	4	4	13	1	1	1	1	1	1	1	1	1	1	
Togo	Trainees	422	39	(-)	(-)	25	140	8	115	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	
	Experts	42	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	Survey Team Members	362	(-)	(-)	(-)	19	40	6	145	27	2	18	33	2	2	2	56	6	6	6	6	6	6	6	6	6	6	6	6	6	6

Region, Country, Organization	Type of Cooperation	Planning & Administration				Public Works & Utilities				Agriculture, Forestry & Fisheries				Mining & Industry		Energy	Commerce & Tourism			Human Resources Development		Public Health & Medicine	Social Welfare	Others			
		Development	Public Administration	Public Works	Transportation	Social Infrastructure	Telecommunications & Broadcasting	Agriculture	Livestock Farming	Forestry	Fisheries	Mining	Manufacturing	Energy	Commerce & Trade		Tourism	Human Resources	Science & Culture	Public Health & Medicine	Social Welfare						
Uganda	Trainees	140	4	4	1	5	2	60	6	4	4	2	23	6	1	22	1	2	1	1	1	1	1	1	1		
	Experts	69	4	4	1	2	9	15	1	1	1	1	14	2	1	22	1	1	1	1	1	1	1	1	1		
	Survey Team Members	29	1	1	1	1	1	9	1	1	1	1	13	1	1	7	1	1	1	1	1	1	1	1	1	1	
Upper Volta	Trainees	9	1	1	1	1	1	1	1	1	1	3	2	1	3	1	1	1	1	1	1	1	1	1	1	1	
	Experts	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	Survey Team Members	12	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Zaire	Trainees	106	1	1	1	47	15	3	1	1	1	32	3	2	1	3	1	1	1	1	1	1	1	1	1	1	1
	Experts	88	1	1	1	33	39	1	5	1	1	5	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1
	Survey Team Members	98	1	1	1	41	46	11	1	1	1	11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Zambia	Trainees	68	2	7	6	1	1	28	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1
	Experts	17	1	1	1	1	1	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Survey Team Members	81	1	1	1	1	1	21	4	1	1	1	22	1	1	9	1	1	1	1	1	1	1	1	1	1	1
	Volunteers	52	1	1	1	1	1	8	3	23	5	10	20	1	1	14	1	1	1	1	1	1	1	1	1	1	1
		31	1	1	1	1	1	4	3	8	2	1	9	1	1	5	1	1	1	1	1	1	1	1	1	1	1





Region, Country, Organization	Type of Cooperation	Planning & Administration				Public Works & Utilities				Agriculture, Forestry & Fisheries				Mining & Industry			Energy				Commerce & Tourism				Human Resources Development				Public Health A		Social Welfare		Others	
		Development Planning	Public Administration	Public Works	Transportation	Social Infrastructure	Telecommunications & Broadcasting	Aquaculture	Livestock Farming	Forestry	Fisheries	Mining	Mining & Metallurgy	Electricity	Hydroelectricity	Nuclear Energy	Renewable Energy	Trade	Commerce	Tourism	Human Resources	Science & Technology	Culture	Public Health	Social Welfare	Others								
Costa Rica	Trainers	157	4	5	2	39	3	29	12	1	1	4	4	6	13	7	1	1	1	1	1	1	1	26	1	4								
	Experts	23	(-)	2	1	3	1	4	1	1	1	1	1	(2)	(-)	(-)	2	(-)	(-)	(-)	(-)	(-)	(-)	3	(-)	(-)								
	Survey Team Members	87	(-)	(-)	(-)	20	6	(-)	13	(-)	(-)	(-)	(-)	(-)	3	(-)	(-)	(-)	(-)	(-)	6	(-)	19	(-)	(-)									
	Volunteers	7	(-)	(-)	(-)	3	(-)	2	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	1	(-)	(-)	2	(-)	(-)								
		96	25	(-)	(-)	33	(-)	7	(-)	(-)	(-)	4	(-)	(-)	21	(-)	(-)	(-)	(-)	(-)	1	(-)	(-)	2	(-)	(-)								
		(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	3	(-)	(-)	5	(-)	(-)	(-)	(-)	(-)	(-)	9	4	2	(-)	(-)								
		53	1	3	1	(-)	(-)	8	(-)	(-)	(-)	2	(-)	(-)	5	(-)	(-)	(-)	(-)	(-)	4	4	4	(-)	(-)									
Cuba	Trainers	(20)	(1)	(3)	(-)	(-)	(-)	(5)	(-)	(-)	(2)	(-)	(-)	(3)	(-)	(-)	(-)	(-)	(-)	(3)	(4)	(-)	(-)	(-)	(-)									
		29	(-)	(-)	(-)	(-)	3	2	6	1	2	(-)	(-)	6	(-)	(-)	(-)	(-)	(-)	3	(-)	(-)	(-)	(-)	(-)									
		5	(2)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)									
Dominican Republic	Trainers	98	(-)	1	(-)	6	2	13	24	1	1	(-)	(-)	4	10	10	5	2	1	1	1	(-)	(-)	16	2	1								
	Experts	24	(-)	(-)	(-)	(-)	(-)	6	4	1	1	(-)	(-)	2	3	1	(-)	(-)	(-)	(-)	(-)	(-)	(-)	4	(-)	(-)								
	Survey Team Members	18	(-)	(-)	(-)	(-)	1	3	4	1	(-)	(-)	(-)	1	(-)	(-)	(-)	(-)	(-)	(-)	1	(-)	(-)	6	(-)	(-)								
		8	(-)	(-)	(-)	(-)	(-)	3	2	1	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)								
		(6)	(-)	(-)	(-)	(-)	(-)	(2)	(3)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)								
		84	(-)	(-)	(-)	(-)	(-)	46	(-)	(-)	(-)	(-)	(-)	(-)	38	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)								
		23	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)								
Ecuador	Trainers	179	9	7	(-)	35	4	30	15	1	(-)	20	6	20	10	4	1	1	1	1	1	(-)	(-)	20	(-)	1								
	Experts	21	1	(-)	(-)	4	(-)	7	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	8	(-)	(-)								
	Survey Team Members	70	(-)	(-)	(-)	2	(-)	3	1	(-)	(-)	(-)	12	9	8	(-)	(-)	(-)	(-)	(-)	4	(-)	(-)	23	(-)	2								
		5	(-)	(-)	(-)	(-)	(-)	2	(-)	(-)	(-)	(-)	(-)	(-)	1	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	2	(-)	(-)								
		(3)	(-)	(-)	(-)	(-)	(-)	(2)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)								
		150	(-)	(-)	(-)	23	(-)	53	9	(-)	(-)	12	3	18	17	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	15	(-)	(-)								
		47	(-)	(-)	(-)	17	(-)	6	(-)	(-)	(-)	6	(-)	18	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)								
El Salvador	Trainers	101	1	1	(-)	12	1	22	2	(-)	(-)	(-)	2	24	5	1	(-)	(-)	(-)	13	(-)	(-)	(-)	13	(-)	6								
	Experts	10	(-)	(-)	(-)	2	(-)	(-)	(-)	(-)	(-)	(-)	(-)	5	1	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	1	(-)	(-)								
	Survey Team Members	30	(-)	(-)	(-)	6	(-)	8	(-)	(-)	(-)	(-)	(-)	8	1	(-)	(-)	(-)	(-)	(-)	6	(-)	(-)	1	(-)	(-)								
		(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)							
		27	(-)	(-)	(-)	5	13	(-)	(-)	(-)	(-)	(-)	(-)	9	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)								
		(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)								
		73	(-)	(-)	(-)	1	(-)	1	4	(-)	(-)	(-)	(-)	1	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	29							

Region, Country, Organization	Type of Cooperation	Housing & Administration				Public Works & Utilities				Agriculture, Forestry & Fisheries				Mining & Industry			Energy		Commerce & Tourism		Human Resources Development				Social Welfare	Others
		Development Planning	Public Administration	Public Works	Transportation	Social Infrastructure	Telecommunications & Broadcasting	Agriculture	Livestock Farming	Forestry	Fisheries	Mining	Mining & Factoring	Electricity	Transportation	Commerce	Tourism	Human Resources	Science & Technology	Public Health & Medicine						
Grenada	Trainees	3	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	
	Trainees	141	(-)	3	1	23	2	55	10	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	Experts	13	(-)	(-)	(-)	2	8	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	Survey Team Members	121	5	2	5	2	8	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
Guatemala	Trainees	26	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	Experts	(14)	(-)	(-)	(-)	(-)	(3)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	Survey Team Members	146	(-)	3	24	4	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	Volunteers	4	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
Guyana	Trainees	26	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	Experts	3	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	Survey Team Members	(1)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	Volunteers	2	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
Haiti	Trainees	10	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	Experts	2	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	Survey Team Members	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	Volunteers	16	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
Honduras	Trainees	124	4	3	1	9	12	40	8	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	Experts	19	2	(-)	(-)	1	3	5	1	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	Survey Team Members	(2)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	Volunteers	25	(-)	(-)	(-)	(-)	7	3	3	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
Honduras	Trainees	9	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	Experts	(5)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	Survey Team Members	208	(-)	(-)	(-)	27	14	(-)	51	46	24	46	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	Volunteers	32	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
Honduras	Trainees	102	1	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	Experts	61	1	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	Survey Team Members	(43)	(1)	(1)	(-)	(-)	(1)	(2)	(4)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	Volunteers	1	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)





Region, Country, Organization	Type of Cooperation	Planning & Administration				Public Works & Utilities				Agriculture, Forestry & Fisheries				Mining & Industry		Energy		Commerce & Tourism		Human Resources Development		Public Health & Medicine	Social Welfare	Others
		Development Planning	Public Administration	Public Works	Transportation	Social Infrastructure	Telecommunications & Broadcasting	Agriculture	Livestock Farming	Forestry	Fisheries	Mining	Manufacturing	Electricity	Hydroelectricity	Renewable Energy	Trade & Commerce	Tourism	Human Resources	Science & Culture				
Peru	Trainees	767	21	28	3	94	32	178	26	7	12	66	62	52	39	40	11	29			57	5	5	
	Experts	107	(-)	5	2	7	7	18	5	2	6	9	9	9	9	1	1	6			18	2	(-)	
	Survey Team Members	361	6	3	-	24	13	61	11	-	21	42	24	6	5	1	-	22			20	2	(2)	
	Volunteers	89	(-)	1	-	8	(-)	22	5	-	18	11	5	1	1	-	-	3			(-)	(-)	(-)	(-)
		333	25	-	7	27	30	55	17	7	18	70	274	11	69	-	-	-	(-)		4	(-)	(-)	(-)
		19	1	-	1	3	(-)	2	2	-	1	1	1	1	1	-	-	-	(-)		7	1	(-)	3
	(11)	(1)	(-)	(-)	(1)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(7)		(-)	(-)	(-)	(-)	
Puerto Rico	Experts	1	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	
Surinam	Experts	6	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	
	Trainees	20	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	
Trinidad and Tobago	Experts	8	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	
	Survey Team Members	15	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	
	Trainees	92	(-)	7	-	4	-	18	20	3	-	5	-	7	1	2	1	1	-	23	-	-	(-)	
Uruguay	Experts	38	1	-	-	5	-	2	23	(-)	(-)	(-)	(-)	3	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	
	Survey Team Members	47	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	3	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	
	Trainees	3	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	3	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	
Venezuela	Experts	66	1	2	3	5	25	8	1	-	1	-	7	4	1	2	1	2	-	5	-	-	(-)	
	Survey Team Members	68	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	6	(2)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	
	Trainees	169	9	6	1	31	13	25	5	-	2	6	1	25	11	19	1	2	-	12	-	-	(-)	

Region, Country, Organization	Type of Cooperation	Planning & Administration			Public Works & Utilities				Agriculture, Forestry & Fisheries				Mining & Industry		Energy		Commerce & Tourism		Human Resources Development			Public Health & Social Welfare	Others
		Development Planning	Public Administration	Public Works	Transportation	Social Infrastructure	Telecommunications	Recreation	Aviation	Livestock Farming	Forestry	Fisheries	Mining	Mining & Refining	Electricity	Hydro	Thermal	Commerce & Trade	Tourism	Human Resources	Science & Culture		
Netherlands Antilles	Trainers	1																					
	Experts	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	Trainers	72	3		11	7																	
	Experts	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	Survey Team Members	305	62	14	18	5	11	54															
Unspecified	Trainers	6,990	188	342	58	776	256	1,125	576	102	97	431	287	859	315	367	68	218	10	798	60	67	
	Experts	1,088	12	58	15	75	50	132	75	30	29	82	44	149	19	50	5	44	10	188	13	8	
	Survey Team Members	(211)	(-)	(4)	(-)	(10)	(2)	(2)	(21)	(8)	(2)	(32)	(5)	(46)	(1)	(13)	(-)	(8)	(1)	(51)	(-)	(1)	
	Trainers	2,165	32	22	19	186	98	253	281	46	77	176	155	134	55	25		153	5	416	6	16	
	Experts	525	(-)	3	45	6	71	78	22	43	36	35	27	12	1			50	3	82	2	9	
Total for Latin America	Trainers	4,718	182	72	14	582	368	218	789	54	230	235	1,004	252	508	18	65	16	60	257	3	70	
	Experts	798	33	-	127	28	33	134	8	75	58	109	40	63	2			65	-	60	-	12	
	Survey Team Members	(19)	(-)	(-)	(-)	(6)	(6)	(-)	(1)	(-)	(4)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(2)	
	Trainers	331	2	3	2	5	13	46	4	4	20	19	19	17	1			79	21	24	88	88	
	Experts	165	3	5	1	4	5	25	3	4	10	8	10	11	4			38	33	17	-	-	
OCEANIA	Trainers	(109)	(3)	(4)	(-)	(1)	(1)	(2)	(17)	(1)	(3)	(8)	(-)	(11)	(-)	(-)	(-)	(20)	(24)	(14)	(-)	(-)	
	Experts	66,312	-	1	-	-	-	9	181	-	-	-	-	53	4	8	4	5	-	1	1	66,050	
	Survey Team Members	125	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	
	Trainers	1																					
	Experts	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	
Australia	Trainers	101	21	1	9	1	23	12	4	13	1	7	1	3	1	1	4	2	1	1	2	1	
	Experts	27	(-)	(-)	3	1	5	4	(-)	(1)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	
	Survey Team Members	46	(-)	(-)	9	2	10	3	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	
	Trainers	19	(-)	(-)	1	(-)	(2)	(1)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	
	Experts	97	(-)	(-)	3	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	
Fiji	Trainers	9																					
	Experts	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	
	Survey Team Members	9																					
	Trainers	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	
	Experts	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	



Region, Country, Organization	Type of Cooperation	Planning & Administration			Public Works & Utilities				Agriculture, Forestry & Fisheries					Mining & Industry		Energy		Commerce, Trade & Tourism		Human Resources Development			Public Health & Medicine		Others	
		Develop-ment	Admini-stration	Public	Public	Works	Trans- portation	Social Infra- structure	Telecommu- nications & Broadcasting	Agriculture	Livestock & Poultry	Forestry	Fisheries	Mining	Mining & Acquiring	Energy	Commerce & Tourism	Tourism	Human Resources	Science & Culture	Public Health & Medicine	Social Medicine				
Kiribati	Trainees	5	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	
	Experts	5	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	Survey Team Members	31	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
Solomon Islands	Trainees	18	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	Experts	3	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	Survey Team Members	90	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	Volunteers	6	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
Pacific Islands (O.S.A.)	Trainees	5	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	Experts	1	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	Survey Team Members	6	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
Micronesia	Trainees	4	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	Experts	34	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	Survey Team Members	39	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
Vanuatu	Survey Team Members	13	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
		1	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)



Region, Country, Organization	Type of Cooperation			Planning & Administration				Public Works & Utilities				Agriculture, Forestry & Fisheries					Mining & Industry			Energy	Commerce & Tourism			Human Resources Development		Public Health & Medicine	Social Welfare	Others										
				Develop- ment	Plan- ning	Public Admini- stration	Public Works	Trans- portation	Social Infra- structure	Telecommu- nications	Breadstuffs	Agriculture	Livestock & Poultry	Forestry	Fisheries	Mining	Manufacturing	Commerce & Tourism	Trade		Tourism	Human Resources	Science & Culture															
																								(-)	(-)				(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
Greece	Trainers	4		1																																		
	Experts	***		1																																		
	***		1																																			
Malta	Trainers	3																																				
	Experts	***		10																																		
	***		10																																			
	***		16																																			
Netherlands	Trainers	7																																				
	***																																					
Rumania	Experts	9																																				
	***																																					
United Kingdom	Trainers	2																																				
	***																																					
	***																																					
Yugoslavia	Trainers	15																																				
	***																																					
	***																																					
	***																																					
	***																																					
	***																																					
U.S.A.	Trainers	9																																				
	***																																					
	***																																					
	***																																					

Region, Country, Organization	Type of Cooperation	Planning & Administration		Public Works & Utilities			Agriculture, Forestry & Fisheries				Mining & Industry		Energy			Commerce & Tourism			Human Resources Development		Public Health & Medicine		Social Welfare	Others			
		Development Planning	Public Administration	Public Works	Transportation	Social Infrastructure	Telecommunications & Broadcasting	Agriculture	Livestock Farming	Forestry	Fisheries	Mining	Manufacturing	Electricity	Commerce	Trade	Tourism	Human Resources	Skills & Culture	Public Health & Medicine							
Unspecified	Survey Team Members	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Trainees	45	1	1	5	3	3	4	2	5	1	6	1	2	1	2	1	2	1	1	3	1	1	1	1	7	
	Experts	(1)	(-)	(-)	16	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	Survey Team Members	6	6	(-)	1	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
Total for Europe	Survey Team Members	27	6	-	10	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	
	Trainees	5	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	
	Experts	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	
	Survey Team Members	5	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	
UNSPECIFIED																											
Unspecified (World)	Experts	7	-	-	5	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	Survey Team Members	6	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	Experts	116	30	-	5	5	5	5	4	19	2	9	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	Survey Team Members	100	27	-	3	3	3	3	8	15	2	9	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Total for Unspecified	Experts	7	-	-	5	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	Survey Team Members	6	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	Experts	116	30	-	5	5	5	5	4	19	2	9	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	Survey Team Members	100	27	-	3	3	3	3	8	15	2	9	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Subtotal	Trainees	43,314	861	4,564	488	4,058	2,452	4,615	5,918	895	687	1,916	1,007	4,972	1,023	1,431	382	2,659	78	4,063	412	833	412	833	412	833	
	Experts	4,349	40	403	71	332	270	429	491	82	99	174	123	643	96	105	18	222	59	490	108	94	108	94	108	94	
	Survey Team Members	(653)	(1)	(18)	(4)	(31)	(36)	(21)	(95)	(20)	(9)	(62)	(17)	(165)	(5)	(14)	(38)	(4)	(100)	(5)	(7)	(7)	(7)	(7)	(7)	(7)	(7)
	Experts	13,002	335	241	178	969	991	1,089	1,966	290	315	748	458	913	212	154	16	1,067	11	2,838	32	185	32	185	32	185	
	Survey Team Members	2,380	20	45	22	261	90	188	394	64	114	134	65	180	36	21	4	190	8	504	11	29	11	29	11	29	
	Experts	(998)	(4)	(10)	(12)	(101)	(43)	(101)	(216)	(34)	(54)	(71)	(33)	(74)	(14)	(1)	(-)	(89)	(4)	(131)	(1)	(3)	(1)	(3)	(1)	(3)	
	Survey Team Members	27,399	1,598	176	970	3,226	3,903	1,402	4,654	231	959	896	2,562	1,745	1,794	70	155	713	26	1,382	69	1,568	69	1,568	69	1,568	
	Volunteers	4,570	293	17	157	766	351	247	949	34	171	146	258	225	345	13	(-)	(-)	(9)	(-)	(15)	(-)	(2)	(2)	(2)	(2)	
	Emigrants	4,403	(2)	(-)	(19)	(29)	(30)	(5)	(65)	(8)	(16)	(-)	(6)	(10)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	
	Survey Team Members	1,390	27	23	2	4	179	45	57	64	21	67	2	276	1	2	1	275	70	98	10	10	10	10	10	10	





Region, Country, Organization	Type of Cooperation	Planning & Administration				Public Works & Utilities				Agriculture, Forestry & Fisheries				Mining & Industry			Energy				Commerce & Tourism				Human Resources Development			Public Health & Medicine		Social Welfare		Others					
		Develop- ment	Admin- istration	Public Works	Trans- portation	Social Infra- structure	Telecommu- nication & Broadcasting	Agriculture	Livestock & Poultry	Forestry	Fisheries	Mining	Mining & Factoring	Energy	Commerce & Trade	Tourism	Human Resources	Science & Culture	Public Health & Medicine	Social Welfare	Others																
ASPAC/FFTC	Trainees	58	-	-	1	-	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
	Experts	7	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)				
AVRDC	Trainees	11	-	-	-	-	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	Experts	7	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)		
CIMMYT	Experts	2	(-)	(-)	(-)	(-)	2	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)		
	Experts	1	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)		
CP	Experts	15	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	
	Experts	2	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	
ECA	Experts	12	(-)	(-)	1	5	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	
	Experts	6	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	
ECLA	Experts	1	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	
	Experts	1	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	
ECO-CEN	Experts	34	(-)	(-)	(-)	(-)	10	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	
	Experts	234	(-)	(-)	(-)	64	44	5	17	2	1	35	18	1	5	1	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
ESCAP	Trainees	11	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	Experts	7	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)

Region, Country, Organisation	Type of Cooperation	Planning & Administration				Public Works & Utilities				Agriculture, Forestry & Fisheries				Mining & Industry		Energy	Commerce & Tourism			Human Resources Development		Public Health & Nutrition	Social Welfare	Others	
		Develop. Planning	Public Admin.	Public Works	Trans. Population	Social Infra.	Telecomm. Infra.	Broadcasting	Agriculture	Livestock Training	Forestry	Forestry	Forestry	Mining	Mining & Industry		Commerce & Tourism	Trade & Tourism	Human Resources	Science & Culture	Public Health & Nutrition				
FAO	Trainees	75	1	1	1	2	1	36	5	7	21	1	3	1	1	1	1	1	1	1	1	1	1	1	1
	Experts	11	(-)	(-)	(-)	(-)	(-)	7	2	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
IAEA	Trainees	64	1	1	1	1	8	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1
	Experts	8	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
IBRD	Trainees	22	1	1	1	1	19	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Experts	1	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
ICAO	Trainees	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Experts	1	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
IDA	Trainees	3	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Experts	1	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
UITA	Trainees	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Experts	1	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
ILO	Trainees	118	54	2	1	1	4	1	1	1	1	3	10	1	5	1	14	1	1	1	1	1	1	1	1
	Experts	10	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
DMCO	Trainees	26	1	1	8	1	1	1	1	1	1	1	17	1	1	1	1	1	1	1	1	1	1	1	1
	Experts	2	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
ISVS	Trainees	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Experts	1	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)









