

Appendix 1 JICA's Major Activities

We have selected JICA's major activities in the area of urban and regional development.

A definition of "Urban and Regional Development" has not been made clear as part of JICA's past cooperation (technical cooperation, development studies), and so here we provide those cases that would appear to conform to the definition contained herein. Regarding the relationship between the activities given here and the Mid-term Objectives given in the Chapter 2, most of the activities here correspond to Mid-term Objectives 1-1, and 2-1, and we therefore deem it unnecessary to list these numbers. Also, the larger portion of the items here contain a range of various factors, however listing all of these would make it difficult to determine the characteristics of the cooperation, and we therefore select only those factors that are distinctive, and simply provide numbers for the Mid-term Objectives. Because they are past activities, Mid-term Objective numbers are not given where the distinctive characteristics cannot be determined.

Annex table List of Selected JICA Projects in Urban and Regional Development

Development studies (all cases finished between 1972 and end March 2003)

No.	Country	Project name	Period	Type of Scheme	Mid-term Objective(s)	Characteristics
1. General Development Projects						
1	Thailand	Western Seaboard Regional Development Master Plan	1996.01 ~ 1997.07	M/P		In the six western seaboard provinces of the Gulf of Thailand: Formulation of an integrated regional development project; Establishment and development of systems and organizations for carrying out planning activities; Formulation of an action plan comprised of priority projects and plans for systems and organizations; Formulation of a M/P related to technology transfer.
2	Viet Nam	The Study on the Hoa Lac Xuan Mai Areas Urban Development Project	1997.12 ~ 1999.03	M/P		Formulation of a concept plan for urban development in the Myomon, Hoa Lac, Xuan Mai and Son Tay regions for functional relocation in the Hanoi capital region with 2020 as the objective year, together with the formulation of a M/P for the Hoa Lac region.
3	China	The Study for Improving the Housing Finance Reform in PRC	2000.03 ~ 2002.03	M/P	2 - 4	In order to contribute to long-term reform of the home financing system in China, we broke down urban areas into types based on the level of progress of housing system reform, analyzing the current situation and issues related to housing policies and home financing in a model region for each of these types, enabling us to examine the idea of establishing a versatile home financing system at the national level.
4	Chile	Study for Promotion of Investments and Exports for the Balanced Economic Development in Republic of Chile	2000.03 ~ 2001.09	M/P	1 - 2	In order to promote investment and exports between South America and Asia under the MERCOSUR and APEC frameworks, formulated new development strategies and short-term action plans for individual regions in Chile.
2. Integrated Regional Development						
5	Indonesia	The Republic of Indonesia, LTA-14, Java Regional Study - Phase I, part A, East Java	1975.07 ~ 1975.12	M/P	1 - 2	With the aim of overall regional development and the equalization of distribution, the following six priority development projects were put forward: Industrialization program; Water supply program; Industrial development program on the island of Madura; Southern coastal regions development program; Rural areas development program Community facilities development program.
6	Indonesia	The Republic of Indonesia, LTA-14, Java Regional Study - Phase I, part B, Central Java	1976.12 ~ 1977.11	M/P	1 - 2	With the aim of evaluating the latent development potential and formulating a regional development strategy, two large development priority regions, Block I and Block II, were designated and these were further broken into six smaller blocks, and important sectors and essential development measures were proposed.

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No.	Country	Project name	Period	Type of Scheme	Mid-term Objective(s)	Characteristics
7	Indonesia	Southern Coast Development Plan, East Java, The Republic of Indonesia	1978.11 ~ 1980.02	M/P	1 - 2	The formulation of development strategy and the discovery of related projects, and an examination of economic and social impacts were carried out.
8	Indonesia	The Study on the Integrated Regional Development Plan for the Northern Part of Sumatra	1988.03 ~ 1990.03	M/P	1 - 2	The formulation of a long-term development plan and a preparatory study for a priority project were carried out for the period 1989 to 2008. Taking account of the wide area of the region in question and the limited funds, our approach was to direct development efforts towards specific prioritized districts within the area. Therefore, the region was broken down into 24 development areas, the potential of each was evaluated, and 11 priority development areas were strategically selected, with a view to fostering development along the specified development axes, for example.
9	Indonesia	The Study on the Integrated Regional Development Plan for Southern Part of Sumatra	1991.03 ~ 1993.03	M/P	1 - 2	Formulated a long-term development plan for 1990 to 2010, and selected priority development areas and priority projects. To advance the development of the region under study it was necessary to supplement the individual field based approach previously used for this project, and therefore the IDEP (Integrated Development Plan) approach was utilized.
10	Indonesia	The Development Study on Comprehensive Regional Development Plan for the Western Part of Kalimantan	1997.03 ~ 1999.03	M/P	1 - 2	Formulated a long-term integrated development plan for the two western provinces of the Kalimantan island that have fallen behind in development (West Kalimantan and Central Kalimantan), with the objective of being completed in the final year of the second 25 year plan (2019). Studies were also undertaken, taking into account the formulation of development projects with regions broken down in terms of development focus districts and river basins as defined by spatial planning, the formulation of an environmental M/P for development that is consistent across river basins, proper establishment of social infrastructure in small to mid sized regional cities and rural towns, the establishment of multimodal transportation commensurate with goods being shipped, and the formulation of projects for the diversification of industry and products, including human resources development.
11	Malaysia	Regional Study on the Integrated Development of South Terengganu	1984.01 ~ 1985.08	M/P		With the objective of creating a regional integrated development plan with a view to 2000 and creating a pre-F/S for a priority project, projects were proposed in the following areas: Industry; Agriculture; Transportation; Flood strategies; Tourism; Urban improvements; Human resources.
12	Philippines	Study of Bohol Integrated Area Development Project	1979.06 ~ 1980.02	M/P		With the objective of formulating a development project focusing on the Wahig-Pamacsalan River basin, a production sector development project focusing mainly on agriculture and fisheries, and an infrastructure improvement project focusing mainly on irrigation, roads, and ports and harbors were formulated, and these were centered mainly around the area covered by the " Bohol Agricultural Integrated Development Project " F/S already under implementation.
13	Philippines	Calabarzon Regional Integrated Development Plan	1990.03 ~ 1991.09	M/P		With the objective of formulating the regional integrated development plan for the Calabarzon region, the following projects were proposed: Main capital regional integrated harbor development study; Cavite coast road; Cavite EPZ expansion; Laguna; Eastern Batangas agricultural development; Laguna farming region integrated agricultural development; Human resources training/ employment program in southern Tagalog; Marikina river basin development management.
14	Philippines	The Study on the Cebu Integrated Area Development Master Plan	1993.07 ~ 1994.08	M/P		Formulation of a M/P to act as a scenario for sustained development until 2010 based in the Philippines's second city of Cebu.
15	Philippines	The Master Plan Study for Central Luzon Development Program	1993.09 ~ 1995.08	M/P	1 - 2	Formulation of a M/P related to regional integrated development projects that cover agriculture and industry, society and the economy, and infrastructure in the six provinces of Region III of Luzon Island.
16	Thailand	The Sub-Regional Development Study of the Upper-Southern Part of Thailand	1983.03 ~ 1985.03	M/P		With the objective of creating a M/P for development of the area until 2000, the following projects were proposed: Surat Thani industrial complex; Phuket urban development, Industrial complex adjacent to Phuket airport; Surat Thani industrial development; East-west link; Central low lands development; Kanom deep-sea port; Tapi-Phum Duang river management; Krabi oil refinery and pipeline; Phuket water supply.

No.	Country	Project name	Period	Type of Scheme	Mid-term Objective(s)	Characteristics
17	Thailand	The Study on the Development Project of Leam Chabang Coastal Area	1984.01 ~ 1985.03	M/P + F/S		A M/P for the Leam Chabang region was created, and a short term plan (target year of 1987) F/S was created. M/P: Industrial development; Port development; Urban development; Transportation project; Public infrastructure; Communications facilities. F/S: Industrial development; Port development; Urban development; Transportation project; Public infrastructure.
18	Thailand	Upper Central Region Study (A Tri-sectoror Balanced Region: Emerging from the Metropolitan Shadow)	1988.12 ~ 1990.07	M/P		With the objective of formulating a master plan for development of the region in question until 2010, the following projects were proposed: Pasak River basin regional integrated development package; Saraburi industrial city area development package; Agriculture and industry related development program package; Human resources development package.
19	Thailand	The Master Plan Study for the Development of Phatthaya Area	1989.03 ~ 1990.07	M/P	2 - 3	With the objective of formulating a M/P for the improvement of tourism facilities and infrastructure in the Phatthaya area, the following projects were proposed: Southern Phatthaya coastal landfill project; Tourism port construction project; Phatthaya Beach improvement; Ta-Van wharf; Sewage and drainage facilities project; Storm water project; Water supply project; Waste disposal site construction; Road improvement project.
20	Thailand	The Study on the Regional Development Plan for the Lower Northeast and the Upper East Regions in the Kingdom of Thailand	1992.02 ~ 1993.07	M/P	1 - 2 1 - 5	To advance the economic progress of the area under study (seven provinces of lower northeast Thailand and two provinces of the upper east regions of Thailand) proposals were made regarding organizational systems for the formulation of a regional integrated development project, and project implementation.
21	China	Hainan Island Integrated Development	1986.03 ~ 1988.03	M/P		With the objective of the creation of a M/P for Hainan island development until 2005, based on China's open door policy, the basic strategy is to develop the region as China's largest open economic zone.
22	China	Jiujiang City Integrated Regional Development Plan Study	1992.09 ~ 1994.01	M/P	1 - 2	A regional integrated development project for Jiujiang city, Jiangxi province was formulated, and was comprised of the four areas of transportation, distribution, tourism, and industry, with the objective of being completed in 2010.
23	China	Julin Province Integrated Regional Development Plan in China	1996.09 ~ 1998.05	M/P	2 - 3	A M/P study regarding the formulation of the integrated regional development plan covering the zone extending from Changchun to Yanji and Hunchun in the central Chinese province of Julin, together with the creation of project outline documents for those projects identified as having a high priority or urgency from the long-list of projects formed in the M/P.
24	China	The Study on Urbanization of Rural Districts (Haichen City) in the People's Republic of China	1999.05 ~ 2001.11	M/P	2 - 3	Formulation of an integrated regional development plan to cover Haichen city, Liaoning province, which is positioned as the development model city for the urbanization of rural districts, as designated by the national construction department. This plan takes into consideration the position of industry here from a broad-based perspective and has a target year of 2010. Priority projects were also proposed as part of the integrated development plan. The objective is to contribute to balanced national development while actively preventing the concentration of population in large cities. Further, with Liaoning province as the object of study, and with small and medium cities throughout the country also taken into perspective, guidelines were formulated for the integrated development of small and medium sized regional cities.
25	Egypt	The High Dam Lake Area Integrated Regional Development Plan	1979.01 ~ 1980.02	M/P		With the objective of formulating a southern regional development strategy for the distribution of population, and the selection of projects, an integrated development master plan was formulated for the area around Aswan city and the High Dam Lake Area (the area within 50 km of lake shores).
26	Egypt	Study on the Development Plan of Suez Bay Coastal area in the Arab Republic of Egypt	1985.02 ~ 1986.07	M/P + F/S		Formulated a M/P for the Suez Bay Coastal area with a target year of 2005, and carried out a F/S regarding infrastructure improvement for the establishment of a regional development base in the Suez Bay coastal area.
27	Jordan	Integrated Regional Development Study of Northern Jordan	1978.05 ~ 1980.03	M/P		Examined the feasibility of Northern regional development and promising projects for the execution of a five-year economic development plan.
28	Jordan	The Study on Integrated Regional Development Master Plan for the Karak-Tafila Development Region	1986.07 ~ 1988.03	M/P		With the objective of a preparatory study for a basic plan and priority projects with a target of 2005, the following projects were proposed: Plan for agriculture vitalization with intensive rainwater use; Pilot plan for the diverse use of the Afra-Barbita hot springs; Karak urban development plan; Muta-Mazar urban development plan; Plan for a green Badia; Development of tourism in the Dana canyon.

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29	Turkey	Study on the Regional Development Plan for the Eastern Black Sea Region in the Republic of Turkey (DOKAP)	1999.03 ~ 2000.09	M/P		Formulation of a regional development plan with the objective of promoting settlement of the population by securing employment through vitalization of industry for example, and correcting regional disparities. This plan was for the seven provinces of the Eastern Black Sea region that have fallen behind in development (Artvin, Bayburt, Giresun, Gumshane, Ordu, Rize, Trabzon).
30	Kenya	The Study of Integrated Regional Development Master plan for the Lake Basin Development Area	1986.01 ~ 1987.10	M/P		With the objective of creating a basic development plan with a target year of 2000, the following projects were proposed: Waterfront integrated development; East-west corridor development; Kisumu - Eldoret bipolar development; Northern area development base; Southern area development base; Western border area development; Eastern gateway development; Kano plain integrated development.
31	Mozambique	The Study on the Integrated Development Master Plan of the Angonia Region	2000.07 ~ 2001.10	M/P	1 - 4	Creation of a regional integrated development M/P for advancing development to keep a balance with environmental conservation, with the public and private sectors complementing each other. This plan covers the Angonia region in the Zambezi River basin in Tete province, an area central as the country aims towards balanced and sustained development following recovery from civil war.
32	Tanzania	Kilimanjaro Region Integrated Development Plan	1976.11 ~ 1977.10	M/P		The Kilimanjaro regional integrated development plan was formulated as part of the third Tanzania five-year plan (1976 to 1980), and the following were proposed: Agriculture (canals/irrigation, expansion of agricultural land); Water resources (creation of maps); Industry (Kilimanjaro Industrial Development Centre); Forestry development (creation of plantation forests); Protection of wild animals (study of wild animals); Tourism development (Kilimanjaro Airport Tourism Centre); Transportation (road improvement); Communications (telephone exchange improvement); Urban development (housing supply); Rural development (model rural rehabilitation).
33	Brazil	The Study Related to the Regional Development Plan of the Greater Carajas Program of the Federative Republic of Brazil	1982.09 ~ 1985.07	M/P		The objective was to study the feasibility of regional products for export, and of regional development. In Phase I, based on trends in, and the outlook for the international market, agriculture and forestry products, and mining and manufacturing products with export potential were selected. In Phase II, the region's development potential was clarified with respect to forestry, agriculture, and farming industries and mining resources.
34	Costa Rica	Regional Study of the Hinterland of Caldera and Puntarenas Ports	1977.02 ~ 1977.11	M/P		The development/latent potential of the hinterland of Caldera and Puntarenas Ports was studied, and a basic strategy for regional development was formulated.
35	Costa Rica	The Study for the Land Use Plan in the Coastal Zones of the Tourist Planning Units in the Republic of Costa Rica	2000.02 ~ 2000.12	M/P + F/S	1 - 2 1 - 5	Focusing on tourism development, based on the idea of sustainable resource use in the southeast area of the Nicoya Peninsula, and the coastal area of the Osa Peninsula, land-use plans and tourism promotion plans were formulated with regards to tourism development, aiming towards regional social development. Further, measures necessary for sustainable tourism development were proposed, and technology was transferred to bodies responsible for implementation.
36	Palau	Development Study for Promotion of Local Economy in the Republic of Palau	2000.02 ~ 2000.08	M/P	1 - 2 1 - 4	A regional promotion plan was formulated with the objective of revitalizing important industry sectors, and improving social infrastructure necessary for industry vitalization including infrastructure such as water supply and sewage, waste, roads and airports, and 'soft' components such as systems. The plan was made with a view to the realization of the idea that environmental conservation and development should be pursued in tandem, as indicated by Palau. Also, problems related to development plan formulation for the archipelago were indicated, and technology transfer under the integrated plan was undertaken.
37	Poland	The Study on Regional Development of Konin Province in the Republic of Poland	1997.07 ~ 1998.07	M/P		Implementation of a M/P study regarding the formulation of the integrated regional development plan covering Konin province, the development base for central Poland, together with the creation of project outline charts for those projects identified as having a high priority or urgency from the long-list of projects formed in the M/P.
38	Thailand / Laos	The Integrated Development Plan for the Border Region in Thailand and Lao PDR	2000.03 ~ 2001.09	M/P		Formulation of an integrated regional development plan for the area supporting the east-west corridor currently under development across the Thailand and Laos national borders (Thailand: Mukdahan, Nakhon Phanom, Sakon Nakhon, and Kalasin provinces. Laos: Savannakhet, and Khanmouan provinces).

No.	Country	Project name	Period	Type of Scheme	Mid-term Objective(s)	Characteristics
3. General Public Works and Utilities						
39	East Timor	The study on Urgent Rehabilitation Plan in East Timor	2000.02 ~ 2000.08	F/S	1 - 3	Formulated a 3 year plan for urgent promotion of social infrastructure (roads, wharfs, ports and harbors, electricity, small scale rural area infrastructure), and drafted quick projects (roads, wharfs, small scale rural area infrastructure).
4. General Social Infrastructure						
40	Thailand	Study on Development for Securing System of Building Safety	2001.06 ~ 2003.03	M/P	2 - 5	The following were proposed with the objective of reforming the fire resistance of special buildings: Formulation of a fire prevention and safety system development strategy; Evaluation and reform of laws related to fire resistance of buildings; Provision of technical manuals for government building inspectors and for designers; Human resources development plan; Establishment of a testing system for building materials.
41	India	The Reconstruction Support for the Gujarat-Earthquake Disaster in Devastated Area in India	2001.06 ~ 2002.12	M/P	1 - 4	Examined the redevelopment plan related to the restoration and reconstruction of medical and education facilities in the Kutch district of the state of Gujarat that were damaged by the earthquake in western India.
5. Urban Planning / Land Development						
42	Indonesia	Urban Development Planning Study on Gerbangketosusila Region (Surabaya Metropolitan Area)	1981.11 ~ 1983.03	M/P		Surabaya M/P formulated with a target year of 2000. The following short-term implementation plans were contained therein: Central link road; New transit system; Tandes industrial complex development; Parktown residential district development.
43	Indonesia	Study on Urban Renewal Housing Project in Jakarta	1982.07 ~ 1983.12	F/S	2 - 4	A F/S was undertaken regarding the redevelopment of two poor residential areas within Jakarta, Manggarai and Kebon Melati, with the objective of creating an urban slum redevelopment plan.
44	Indonesia	Master Plan and Feasibility Study on Kemayoran Urban Housing Development Project in the Republic of Indonesia	1988.07 ~ 1990.03	M/P + F/S	2 - 2 2 - 4	Development of redevelopment methods and a F/S were undertaken in relation to the redevelopment of urban housing and urban areas in and around the Kemayoran airport site.
45	Indonesia	Study on Land Provision for Housing and Settlements Development through KASIBA and Land Readjustment in Jakarta Metropolitan Area	1998.01 ~ 2000.01	M/P + F/S	2 - 4	An urban development system was established in the Jakarta metropolitan area, case studies were undertaken, measures to reform of KASIBA and land readjustment activities were proposed, and this enabled development of housing and living environments in the Jakarta region to be pushed forward.
46	Malaysia	The Feasibility Study on the Introduction of Land Readjustment in Malaysia	1993.10 ~ 1995.06	F/S	2 - 4	A Malaysian style land readjustment system was established in order to promote ordered urban improvement and progress.
47	Philippines	Master plan study of the Infanta-Real Area Urban Development Project	1983.07 ~ 1985.03	M/P		Urban development objectives and strategies for the Infanta-real region were set out, and an urban development M/P was formulated.
48	Thailand	City Planning Manual: The Study on Applied Technology for Making City Plan	1987.11 ~ 1989.02	Others	2 - 2	With the aim of urban planning technology transfer, a quality improvement in organization strengthening and plan formation was achieved through DTCP institutional reform, technical training, and the establishment of a data management system. In order to promote reform of urban development activities through planning, implementation and studies, the establishment of a center for promotion of urban planning reform was proposed.
49	Thailand	The Study on Application Scheme of Land Readjustment in National Urban Development Trust	1991.01 ~ 1993.06	M/P + F/S	2 - 4	Plans for land readjustment within Bangkok city and pilot project activity plans were created, while at the same time a land readjustment system suitable to Thailand was proposed.
50	Thailand	The Study for Urban Redevelopment Plan and Case Study in the Bangkok Metropolitan Area in the Kingdom of Thailand	2000.12 ~ 2002.03	M/P + F/S	2 - 2 2 - 4	Focusing on the Bangkok capital area, improvements to the capacity of Thai organizations involved in urban development, and the creation of a land redevelopment plan for the Din Daeng-Makkasan, Huai Khwang districts were proposed. Also, methods for improving urban area were proposed with the aim of reform and improvement of living environments in the Bangkok capital area.
51	China	Development Plan Study for the Waigaoqiao region, Pudong Xinqu, Shanghai	1992.07 ~ 1993.10	M/P + F/S		The following projects were proposed with the aim of creating a development plan for the Waigaoqiao region, with target years of 2000 and 2020: Ports and harbors; Industry; Urban facilities.
52	Kazakhstan	The Study on the Master Plan for the Development of the City of Astana	2000.01 ~ 2001.05	M/P + F/S		Implemented with the aim of supporting the capital city functions of the new national capital Astana, and with the aim of contributing to the improvement in basic urban infrastructure and services related the lives of residents.

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53	Senegal	The Study on Infrastructure Information Management System of the Dakar Metropolitan Area in the Republic of Senegal	1999.09 ~ 2001.01	M/P	2 - 6	Focusing on the Dakar capital region in Senegal, a social infrastructure information management system was completed with the aim of collecting and sharing information between relevant sectors in order to promote efficient and balanced urban development and infrastructure improvement, and also to achieve improvements in the urban environment.
54	Zambia	The Study on the Environmental Improvement of Unplanned Urban Settlement in Lusaka, Republic of Zambia	1999.03 ~ 2001.07	M/P + F/S	2 - 5	In order to achieve improvements in living conditions in the unplanned urban settlement in Lusaka, the strengthening of the city's administrative capacity, community resource motivation, and the form of cooperative systems between resident organizations and local government were studied with consideration extending to sources of funds and appropriate technologies, and plans for improving living environments for which sustained implementation is possible were formulated. The plans include: The formulation of action area plans, The creation of living environment improvement activity guidelines, The formulation of short-term plans for the improvement of living environments etc.
55	Colombia	The Master Plan Study on the Simon Bolivar Great Memorial Park Project	1980.10 ~ 1981.09	M/P	2 - 5	With the objective of creating an integrated urban park, a project was proposed for the construction of a large-scale integrated park in a 350 ha site in the southern area of the central region of Bogota city.
56	Colombia	The Feasibility Study on the Urban Development of the Central District of Barranquilla. The Republic of Colombia.	1986.07 ~ 1988.02	F/S	2 - 2	Redevelopment methods and economic and technical feasibility was examined for the Barranquilla and Boriche areas.
6. Construction / Housing						
57	Indonesia	Low Cost Housing Project in Cengkareng	1979.10 ~ 1981.02	M/P + F/S		The objective was the development of the residential area and the design and planning of medium-rise housing in the Cengkareng area. The basic measures were the supply of medium-rise housing and two-story flats for relatively low level areas, and the supply of mezonet style, and townhouse style residences for which building additions are possible to relatively high-level areas.
58	Malaysia	The Reclamation Project of Ex-mining Land for Housing Development and Other Purposes: Feasibility Study (report)	1979.12 ~ 1981.03	F/S		The land conditions at the ex-mining site were clarified, and the possibility of use as a housing development site was examined.
7. Surveying / Mapping						
59	Cambodia	Topographic mapping of Siem Reap and Angkor Monuments Park	1997.01 ~ 1998.07	Basic Study		To support the promotion of discovery, study, and storage plans for the Angkor monuments, and the formulation of infrastructure improvement plans in the area around the Angkor monuments, a topographic map of the Angkor monuments and the surrounding region was created: Scale 1/10,000, Area: 430 km ² ; Scale 1/5,000, Area 100 km ² .
60	Cambodia	A Study on the Establishment of GIS Map Data for Cambodia	2001.03 ~ 2002.03	Basic Study		Basic materials in the form of necessary geographical data were furnished in order to allow the formulation of the M/P for the revival of Cambodia and development at the national level. Since it should be available for a wide range of uses, the following were created: a topographic map and land-use chart covering an area of 101,000 km ² in the northeast and western region to a scale of 1/100,000, and digital data and a print version of a 1/500,000 scale surface geology/land form classification chart. Through the implementation of this study, technology transfer was undertaken with respect to the C/P of the "Ministry of Public Works and Transport," the corresponding organization for the study.
61	Indonesia	Topographic Mapping Project for Upper Stream Area of Negara River Basin South Kalimantan, Republic of Indonesia	1983.02 ~ 1986.01	Basic Study		Created a 1/50,000 scale topographic map of a 6,500 km ² area of the Negara River basin, and the objective of this was to use it as basic materials for the formulation of a development plan for the Negara River basin.
62	Laos	Study for Topographic Mapping of Bolikhamxai Province in Lao People's Democratic Republic: Topographic Map: Scale 1:25,000	1992.12 ~ 1995.11	Basic Study		With the aim of using it in the national development plan: Creation of a basic map (scale 1/25,000, 64 faces), and Technology transfer was undertaken.
63	Laos	The Establishment of GIS Base Map Data for Mekong River Basin in Lao People's Democratic Republic	1998.10 ~ 2003.03	Basic Study		C/P created GIS base map data under the guidance of the study group, and through this process technology transfer was achieved in relation to data creation, updating, and database management. This data was for the Mekong River Basin, which covers most of Laos, and was to contribute to the national development plan.

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64	Philippines	Topographic Mapping Project for Cagayan Valley, Republic of the Philippines	1979.02 ~ 1983.02	Basic Study		A 1/25,000 scale topographic map of an approx. 11,000 km ² area of the Cagayan Valley in the northern region of Luzon island was created.
65	Philippines	Establishment of Graphic Information Base Project of National Capital Region Republic of the Philippines	1985.06 ~ 1989.03	Basic Study		A basic urban chart was created to act as basic materials for the overall economic development of the region. Topographic map (1/10,000 11,500 km ² mapping study), Plan view chart (1/10,000 1,500 km ² mapping study), Land use chart (1/10,000 1,823 km ² mapping study), Land condition chart (1/10,000 476 km ² mapping study).
66	Thailand	Topographic Mapping of Bangkok Metropolitan Area, Kingdom of Thailand	1986.09 ~ 1989.03	Basic Study		Creation of a 1/10,000 scale 2,000 km ² topographic map, and a 1/4,000 scale 300 km ² topographic map for the Bangkok metropolitan area.
67	Mongolia	Topographic Mapping of Ulaan-Tsav Area in Mongolia	1993.02 ~ 1996.07	Basic Study		Creation of a basic national map to a scale of 1/25,000 for the approx. 10,800 km ² Ulaan-Tsav region in the Dornod province.
68	Bangladesh	The Study on the Geodetic Survey in the People's Republic of Bangladesh	1992.04 ~ 1995.03	Basic Study		With the objective of completing the national geodetic survey and carrying out technology transfer to SOB, the following projects were proposed: Flood defense planning; Creation of a topographic map for the Dhaka capital region; Completion of a network of secondary control points.
69	Nepal	Topographic Mapping of Lumbini Zone in Nepal	1990.10 ~ 1993.11	Basic Study		Based on Nepal's request, creation of a basic 1/25,000 scale map of a 9,000 km ² area in the Lumbini zone, and technology transfer.
70	Azerbaijan	National Digital Mapping Project in the Republic of Azerbaijan	2000.03 ~ 2002.12	Basic Study		Correction for changes over time to an existing 1/50,000 scale topographic map, and digitalization of the map, and Creation of positive film for editing of the map based on the digitalized topographic map data, and creation of a print version.
71	Kazakhstan	Urgent Establishment of National Basic Geographic Data in Southern Area of the Republic of Kazakhstan	1998.01 ~ 2000.03	Basic Study		Using satellite images and newly created 1/50,000 scale aerial photographs of a 150,000 km ² area, Create a digitalized map and its print version of a 1/100,000 scale topographic map of an approx. 22,500 km ² area in the southern region, Create digital data for a 1/200,000 scale topographic map of an approx. 150,000 km ² area along the Syr Darya River basin including the southern region of an approx. 22,500 km ² area.
72	East Timor	The Study on Urgent Establishment of Topographic Mapping in the East Timor	2000.02 ~ 2000.08	Basic Study		Based on the request of the United Nations Transitional Administration in East Timor, and in order to contribute to the formulation of future urban plans, created a 1/2,000 scale topographic map of a 107 km ² area of Dili, and established a GIS database. Also, carried out 1/8,000 aerial photographs of Liquicia, Manatutu, and Baucau cities (150 km ²).
73	Morocco	The study on Topographic Mapping in the Kingdom of Morocco	1988.10 ~ 1991.03	Basic Study		With the objective of creating a basic national map, Aerial photographs, and Topographic mapping were carried out. Incidentally, the first time a 1/25,000 basic national map was created was in Morocco.
74	Tunisia	The Topographic Mapping Project in Tunisia	1985.06 ~ 1988.02	Basic Study		Aerial photographs of the whole of Tunisia, and creation of a 1/200,000 scale 83,000 km ² topographic map of the northern region of the country.
75	Tunisia	The Topographic Mapping of Central Region in the Republic of Tunisia	1990.08 ~ 1994.03	Basic Study		Aerial photographs of a 35,000 km ² area, and creation of a 1/50,000 scale topographic map of a 27,000 km ² area in the central region.
76	Angola	The Establishment of Comprehensive Geographic Database System for the National Rehabilitation and Development in Republic of Angola	1997.12 ~ 2001.11	Basic Study		In order to promote the vitalization of production activity and the effective use of resources, using satellite images of the western coastal region, a 1/100,000 scale topographic map was created, and using aerial photographs of the capital Luanda, the creation of topographic map data and land-use data to a scale of 1/25,000. Also, digitalization of the existing 1/1,000,000 scale map covering the whole country, and establishment of an integrated geographical database.
77	Burkina Faso	The National Topographic Mapping of Southwestern Area in Burukina Faso	1998.11 ~ 2001.03	Basic Study		In order to encourage agricultural and regional development and environmental preservation, and to support social and economic progress, creation of a national topographic map of the southwestern area including the Gaoua region of the Black Volta River basin.
78	Ghana	Topographic Mapping of Southern Part of the Republic of Ghana	1995.12 ~ 2000.03	Basic Study		Based on the request of the Ghana government, created a 1/50,000 scale topographic map of an approx. 25,000 km ² area in the southern part of the country. Also, technology transfer to C/P was carried out.
79	Guinea	Topographic Mapping in Guinea	1977.04 ~ 1982.03	Basic Study		With the objective of consolidating national control points and basic national maps as basics for national development, created A photographic map of the whole of Guinea (1/50,000, 373 faces), Topographic map of Kankan (1/50,000 16 faces, 12,100 km ²).

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No.	Country	Project name	Period	Type of Scheme	Mid-term Objective(s)	Characteristics
80	Gambia	The Study for Establishment of Geographic Database in the Gambia	2001.03 – 2002.10	Basic Study		Creation of a 1/50,000 scale digital topographic map (basic national map) and establishment of GIS base data, Transfer of survey related technology to the land and surveying department.
81	Kenya	Land Use Mapping (Topographic Mapping Project) in East Kenya: the Republic of Kenya	1975.10 – 1984.03	Basic Study		With the aim of creating basic materials in the form required for development activity, creation of 1/50,000 scale 12 face, and 1/100,000 scale 4 face thematic maps (vegetation, land-use, surface geology, soil classification, landform classification).
82	Kenya	Topographic mapping of south Kenya in the Republic of Kenya	1987.10 – 1991.03	Basic Study		With the aim of creating basic national maps of the southern part of the country, 1/50,000 basic national map (43 faces, 29,800 km ²), 1/60,000 aerial photographs (29,800 km ²).
83	Madagascar	The Establishment of a Database for Geographic Information Systems of the Capital Area in Madagascar	1998.10 – 1999.11	Basic Study		For a 250 km ² area around the capital of Antananarivo, at the 1/10,000 level, created a geographic/information database system for topographic maps, and land condition charts, and land-use charts, and created GIS for roads, water and sewage, electricity, and communications for a 15 km ² pilot area, and through these activities and achieved technology transfer to FTM.
84	Mali	The National Topographic Mapping of the Kita Area in the Republic of Mali	1998.10 – 2001.09	Basic Study		Over the 36 months between October 1998 and September 2001, created a 1/50,000 scale topographic map and corresponding topographical data for a 31,000 km ² area centered on Kita city, Republic of Mali. Also, by jointly carrying out the study with the C/P of the Geographical Institute of Mali, achieved technology transfer related to the creation of topographic maps.
85	Mozambique	The National Topographic Mapping in Niassa Province, the Republic of Mozambique	1998.06 – 2000.08	Basic Study		In order to promote development of agriculture and forestry, and mining resources while at the same time preserving the natural environment in Niassa province, and to support social and economic progress, created a basic national map at a scale of 1/50,000 for a 32,000 km ² area of the province, something which had not been done before. Also, carried out technology transfer through correction of existing maps, survey activities, and planning theory and data analysis.
86	Niger	The topographic mapping of Djerma Ganda and Dallols region in Republic of Niger	1992.10 – 1995.11	Basic Study		Created a basic national map (1/50,000) with the aim of utilizing it for national development planning etc.
87	Senegal	Mapping Project in Western Senegal in the Republic of Senegal	1989.02 – 1991.12	Basic Study		With the aim of creating a basic map (25,500 km ² area) of Western Senegal, Aerial photographs: 1/60,000 scale, 25,500 km ² area, Creation of a basic map: 1/50,000 scale, 25,500 km ² (43 faces).
88	Swaziland	The Study on Digital Mapping Project for the Smooth Implementation of the Development Plan in the Kingdom of Swaziland	1999.06 – 2001.06	Basic Study		As basic materials which is needed for national development plans, created a digital orthophoto map of the whole 17,363 km ² of the country (1/10,000).
89	Tanzania	Topographic Mapping Project for the Geita Region of Mwanza	1991.10 – 1995.01	Basic Study		With the aim of creating a five color print 1/50,000 topographic map, printed map, Setup aerial markers, Took aerial photographs, Surveyed orientation marks, Set marker stones, Undertook second order leveling, Undertook simple leveling, Undertook aerial triangulation surveying, Created topographic maps.
90	Uganda	The Topographic Mapping of Kampala and Jinja Blocks, North of Lake Victoria in the Republic of Uganda	1994.11 – 1998.03	Basic Study		In order to contribute to the formulation of various development plans in future created a 1/50,000 scale topographic map of the northern area of Lake Victoria, an important region for social and economic development.
91	Argentina	The Topographic Mapping of North-East region in Argentine Republic	1991.01 – 1994.01	Basic Study		With the aim of creating topographic maps and corresponding numerical data for the northeast region in the Argentine Republic, created 1/60,000 aerial photographs, 1/100,000 topographic map, Data corresponding to the topographic map.
92	Bolivia	Topographic Mapping Project on Chapare area, Republic of Bolivia	1975.05 – 1978.03	Basic Study		With the aim of creating basic materials in the form required for development projects, created: Aerial photographs (scale: 1/60,000, approx. 25,000 km ²), Basic national map (scale: 1/50,000, 44 faces, approx. 20,000 km ²).
93	Bolivia	The Topographic Mapping of La Paz-Beni Region in the Republic of Bolivia	1993.03 – 1996.03	Basic Study		With the aim of creating basic materials to form development projects, Created a basic national map (scale: 1/50,000, 64 faces), Carried out technology transfer.
94	Costa Rica	Topographic Mapping of San Jose Metropolitan Area in The Republic of Costa Rica	1988.10 – 1991.12	Basic Study		With the aim of creating maps necessary for integrated regional development in the country, undertook: Aerial photographs, Creation of basic urban maps, Creation of land-use maps.
95	Panama	The Topographic Mapping Project of the Caribbean Coastal Area of the Republic of Panama	1979.01 – 1980.05	Basic Study		With the aim of creating basic materials to be used for forming development projects, created a basic national map (1/50,000).

No.	Country	Project name	Period	Type of Scheme	Mid-term Objective(s)	Characteristics
96	Peru	Topographic Mapping Project for Satipo Area, Department of Junin the Republic of Peru	1982.06 ~ 1987.02	Basic Study		With the aim of creating basic materials to be used for forming development activities, carried out: Aerial photographs (scale: 1/60,000, 31,259 km ² including the area being mapped), Creation of a topographic map (12,070 km ² , 64 faces).
97	Peru	The Topographic Mapping of Lima Metropolitan Area in the Republic of Peru	1990.02 ~ 1992.07	Basic Study		With the aim of creating basic urban maps, land-use maps for the Lima metropolitan area, carried out: Aerial photographs (scale: 1/30,000, 1,570 km ²), Creation of a basic urban map (scale: 1/10,000, 1,250 km ²), Creation of a land-use map (scale: 1/10,000, 500 km ²).
98	El Salvador	The Study for Establishment of National Basic Geographic Data in the Republic of El Salvador	1999.03 ~ 2001.06	Basic Study		To encourage rebuilding after civil war and natural disasters, and to support social and economic progress, created topographic maps for regions not covered by the basic national maps, digitalized existing topographic maps for areas covered by the existing national maps, and established GIS base data for the whole country.

Technical Projects (cases started since the start of 1993)

No.	Country	Project name	Period	Type	Mid-term Objective(s)	Characteristics
1	Indonesia	Project on Strengthening Sulawesi Rural Community Development to Support Poverty Alleviation Programmes	1997 ~ 2002	Integrated regional development plan		Developed an applicable participatory style social development model (Takalar Model), Smooth implementation of participatory style village development activities by village residents, and development of measures and steps, Completion of a village development support system in Takalar province, Completion of a Participatory Local Social Development (PLSD) training course suitable to South Sulawesi.
2	Indonesia	Regional Development Policies for Local Government	2001 ~ 2004	Integrated regional development plan		Capacity development of regional governments in regional development management, Formulation and implementation of democratic regional development plans, Human resources development for regional governments in the area of regional development, The promotion of inter-regional cooperation at the state, city/provincial level, Appropriate involvement in the regional development process by related organizations and bodies such as universities, NGOs, the private sector, and community organizations, Implementation of regional development programs/projects etc.
3	Kenya	African Institute for Capacity Development (AICAD)	2000 ~ 2002	Integrated regional development plan		The following were undertaken: The preparations for full-scale operation of a functional (joint studies, dissemination of training, information network) African Institute for Capacity Development (AICAD), Establishment of AICAD at JKUAT, Promotion of cooperation with participating universities and other related organizations in the East African region, Planning and commencement of joint study development functions, Planning and commencement of training dissemination functions, Planning and commencement of the information network function etc.
4	Kenya	African Institute for Capacity Development (AICAD) phase 2	2002 ~ 2007	Integrated regional development plan		Established and set up the activities of AICAD, a joint venture between the three countries of East Africa, and carried out human resources development to contribute to poverty reduction in Africa.
5	Tanzania	Sokoine University of Agriculture Centre for Sustainable Rural Development: SCSRD	1999 ~ 2004	Integrated regional development plan		Established the SUA method for the target region, Advanced capacity development in the regional development sector, etc.
6	Philippines	The Cebu Socio-Economic Empowerment and Development Project	1999 ~ 2004	Integrated regional development plan		Strengthened administrative capacity for regional development, and collaborated with local residents and NGOs, while establishing a regional development mechanism to use development resources in a sustainable and effective manner.
7	Thailand	Development of the Method of Urban Development	1999 ~ 2003	Urban planning / land development		Achieved capacity development through: urban development technology suitable to social and economic conditions in Thailand, and through DTCP training.
8	Indonesia	The Project on the Development of Appropriate Technology for Multi-Storey Residential Building and Its Environmental Infrastructures for Low Income People	1993 ~ 1998	Building housing		Developed a practicable urban housing complex prototype that was appropriate given the conditions faced by housing in Indonesia (housing and living conventions, building technologies, materials available for supply to the site, living environments etc.), and made proposals regarding improvement of technology and construction standards in seven areas of cooperation.

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No.	Country	Project name	Period	Type	Mid-term Objective(s)	Characteristics
9	China	The Project on Research and Training Center on New Technology for Housing in the People's Republic of China	1995 ~ 2000	Building housing		Human resources development was achieved for those that obtained the plans, designs, and construction technology for the housing complex developed as part of the project.
10	China	Research on Performance Assessment and Product Certification for Residential Building	2001 ~ 2004	Building housing		Formulated housing performance assessment systems, and housing components certification systems, Created a housing performance assessment system suitable to China at The Center for Housing Industrialization, Ministry of Construction, Created a housing components certification system suitable to China at The Center for Housing Industrialization, Ministry of Construction, Established data collection and analysis methods for formulation of housing performance assessment systems and housing components certification systems related to safety, as suitable to China, at the China Academy of Building Research, Established data collection and analysis methods for formulation of housing performance assessment systems and housing components certification systems related to the livability of housing, as suitable to China, at the China Academy of Building Research.
11	Kenya	Kenya Institute of Surveying and Mapping	1994 ~ 1999	Surveying / mapping		Implemented a higher diploma course taught by suitably trained teachers, and raised the ability of the Institute to develop independently.