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INTEGRATED POPULATION AND DEVELOPMENT PLANNING - II [INPLAN]

Contract Number AID/DPE-3027-C-00-4068-00

SEMI-ANNUAL REPORT: YEAR 1

April 1, 1985 - September 30, 1985

Submitted to:

Dr. Scott R. Radloff
Policy Development Division
Office of Population
Bureau for Science and Technology
United States Agency for International Development
Department of State
Washington, DC 20523

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EXECUTIVE SUMMARY

The Integrated Population and Development Planning II (INPLAN) project provides assistance designed to strengthen the technical capabilities of planning institutions in developing countries for evaluating population-development relationships and for incorporating population considerations into development planning work. This is accomplished through training, technical assistance, and research support activities.

During this reporting period significant progress was made in all of the assistance areas of the project. This entailed 25 staff trips to 13 countries as well as a number of US-based activities.

Major staff effort during the past six months has focussed on training. Twenty-nine participants from 15 countries have attended US-based training programs, and INPLAN staff have held in-country training programs in six countries. US-based training planned and executed by INPLAN included the three-month RTI-based course in Applied Population and Development Planning attended by 12 English-speaking planners from 10 countries and the six-week course for eight Senegalese planners. In addition, INPLAN is sponsoring the attendance of four planners at the semester-long ILO-University of Michigan program in population and development.

Significant modelling development activity took place during the past six months. In preparation for the next Plan in Nigeria and Morocco, models were developed for several sectors in collaboration with host-country planners. Sectors included agriculture, health, and education for both countries, as well as: the macroeconomy for Nigeria; and housing, water, and employment and manpower, and a family planning submodel for Morocco. In both countries, the modelling efforts bring together planners from several ministries, thus fostering important interactions among the ministries as well as strengthening local technical capabilities.

As part of its institution building efforts, INPLAN transfers microcomputers technologies (hardware and software) to host country institutions where they are used to facilitate population-development planning work. During this reporting period, INPLAN transferred microcomputer systems and/or enhancements to ten countries. This included 12 full IBM-AT or IBM-PC systems and one Apple IIe.

Over the past six months, assistance to four research projects in Thailand continued and two subcontracts for research support in Mexico were prepared. RTI has received drafts of reports on three of the four Thai research projects which examine the consequences of demographic change to be used in the Population Policy Background Paper for the sixth Five Year Plan.

In addition to developing specific sectoral models and country applications, INPLAN is developing a generalized software shell for future modeling applications. Significant progress was made on the shell during this reporting period. It is expected to be ready for use in late 1985.

INTRODUCTION

The Integrated Population and Development Planning II (INPLAN) project is a three-year project which began in October 1984 and is being carried out under a contract with the U.S. Agency for International Development's Office of Population. INPLAN provides assistance designed to strengthen the technical capabilities of planning institutions in developing countries for evaluating population-development relationships and for incorporating population considerations into development planning work. This is accomplished through training, technical assistance and research support activities. In this section, we briefly summarize INPLAN's accomplishments in these three areas during this reporting period. In the following section, training is featured, and three types of training carried out over the past six months are described. The annexes give more detailed information on each of the activity areas.

During this reporting period, significant work took place in all of the activity areas, building capabilities of host country institutions in many countries and developing plans for continued assistance. This entailed 25 staff trips to 13 countries as well as a number of U.S.-based activities.

Major staff effort during the past six months has focussed on training. Twenty-nine participants from 15 countries have attended U.S.-based training programs, and INPLAN staff have held six in-country training programs.

From March 18 through June 1, 1985 INPLAN held its RTI-based course on Applied Population and Development Planning, which was attended in its entirety by 12 English speaking planners from 10 countries. This course was developed by RTI/INPLAN and was taught by RTI/INPLAN staff and subcontractor with participation of a number of consultants from AID cooperating agencies. The primary goal of the course was to provide to mid-level technical planning personnel the theoretical/conceptual knowledge and practical tools for integrating population factors into socio-economic development planning. The course was divided evenly between lecture/discussions and practical microcomputer applications. Most participants mastered the material very well, and INPLAN will have continuing relationships with most of the host-country institutions.

A similar course was held in Chapel Hill, NC for six weeks in August and September, 1985 for eight Senegalese planners representing several ministries. Through this course, and the subsequent provision of seven microcomputers, INPLAN was able to provide assistance necessary for the successful execution of a RAPID-II policy analysis activity being coordinated by CONAPO. Since all of the participants in this course were engaged in similar, related technical activities, some material was more task-specific than the RTI-based course. Nevertheless, the same approach of integrating the theoretical with the applied was taken and much of the same material was covered.

INPLAN is currently supporting four students at the semester-long ILO-University of Michigan program in population and development.

During this reporting period, INPLAN staff have carried out in-country training programs in six countries which focussed on the uses of microcomputers in population-development planning work. Three of these--in Mexico, Bolivia, and Thailand--also provided training in the use of the RTI/INPLAN microcomputer-based Multiregional Population Projection (MPP) program. In all cases, these training workshops are part of a larger program of assistance activities in the countries.

The two major types of technical assistance provided by the INPLAN project are assistance in developing microcomputer-based demographic-economic planning models and transfer of microcomputer equipment and software, along with necessary installation and training. During this reporting period, significant assistance was provided in model development in both Nigeria and Morocco in preparation for their next Plans. The work for both countries includes models for:

- ...family planning and health;
- ...agriculture;
- ...health; and
- ...education.

In addition, in Morocco models for housing, water, and employment and manpower have also been developed. For Nigeria a macroeconomic model was developed and implemented using Lotus. The Moroccan models make use of microsimulation, and when the programming shell (see below) is complete the sectoral models will be integrated.

In both countries, the modelling efforts bring together planners from several ministries, thus fostering important interactions among the ministries as well as strengthening local technical capabilities.

Significant progress has also been made in testing and enhancement of the Multiregional Population Projection (MPP) program. In order to facilitate data entry, an interactive program was written in Pascal. The MPP program has been recompiled using a more efficient FORTRAN compiler: Ryan-MacFarland FORTRAN. A first draft of a manual in Spanish has been completed, and an English version is in preparation. The MPP model has been taught and is being applied in Tunisia, Thailand, Mexico, and Bolivia; and requests for the model have been received from India, Kenya, Senegal, Cameroon, Australia, and BuCen, among others.

The BACHUE-International economic-demographic model, developed under ILO auspices was adapted to the IBM-PC using the FORTRAN language in which the model was originally written. An easy to use data editor was developed and a graphics link to Supercalc was added.

In addition to developing specific sectoral models and country applications, INPLAN is developing a generalized software shell for future modelling applications. Among other attributes, this software provides modelers with a common, generalized database, data editor, and table formatter. The analytical, or data processing portions of the system, however, are left open to the modeler. The shell is designed to expedite the production of microcomputer models, facilitate the integration of existing models, and improve the quality and ease of use of INPLAN's other software. This software shell is expected to be ready for use by the end of October and is scheduled for its first use with host country personnel in January. INPLAN expects the shell to be the core of its microcomputer modeling for the remainder of the project.

As part of its institution-building efforts, INPLAN transfers microcomputers to host country institutions where they are used to facilitate, and sometimes make possible, population-development planning work. During this reporting period, INPLAN transferred microcomputer systems and/or enhancements to ten countries. This included 12 full IBM-AT or IBM-PC systems and one Apple IIe. All transfers included installation and any necessary training.

Over the past six months assistance for four research projects in Thailand continued and two subcontracts for research support in Mexico were prepared. INPLAN is providing technical assistance to Thai researchers on four studies which will be used for the Population Policy Background Paper for the next Five Year Plan. A seminar at which preliminary results were presented was attended by INPLAN staff, and drafts of three of the papers have been received by RTI. Work on one research project in Mexico began in this reporting period and a subcontract for another was signed. These projects will provide data necessary for study of the diffusion of family planning practices and for regional education and labor force models.

The following section focusses on three of the major types of training activities carried out by INPLAN during this reporting period. Detailed information on each of the types of activities and on INPLAN staff is found in the annexes.

HIGHLIGHTS OF MAJOR ACTIVITIES: FOCUS ON TRAINING

In this semiannual report, we highlight training programs, one of the major components of the INPLAN project. During this reporting period, INPLAN carried out a three-month RTI-based course in Applied Population and Development Planning for 12 planners from 10 developing countries, a six-week US-based training course for eight Senegalese planners from several ministries, and six in-country training programs. It also supported four planners at the ILO-University of Michigan semester long program in population and development. Additional activities of these types will take place in later reporting periods, as will regional training workshops and US-based programs for high-level planners and policymakers from all regions of the developing world.

INTERREGIONAL RTI-BASED COURSE IN APPLIED POPULATION AND DEVELOPMENT PLANNING

In the Spring of 1985 INPLAN carried out the first of several planned RTI-based training programs in Applied Population and Development Planning. This three-month course, conducted in English, was attended in its entirety by twelve mid-level planners from ten countries (see Annex C for participant list and institutional affiliations). Several other planners who were collaborating in other INPLAN activities attended the course for shorter periods.

The primary goal of the course was to provide to mid-level technical planning personnel the theoretical/conceptual knowledge and practical tools for integrating population factors into socio-economic development planning, including the use of microcomputers. In order to meet this goal, RTI/INPLAN developed an intensive theoretical and practical course.

The morning lecture-discussions covered development economics; population dynamics and measurement; population-development relationships; and sectoral and multisectoral demographic-economic modelling. Afternoons were spent in instruction and practice with population-development related microcomputer applications, including:

- ...microcomputer operations
- ...a spreadsheet;
- ...a data base manager;
- ...a statistical package;
- ...demographic economic modeling; and
- ...hardware maintenance.

Following the ten weeks of instruction at RTI, participants made a study tour of Washington, DC and New York, visiting other cooperating agencies, AID, BuCen, and the United Nations.

Participants had extensive experience with the microcomputers since there was one machine for every two students. The microcomputer systems used were IBM-AT's with 512k RAM; one high density floppy drive; one 360k floppy drive; an Iomega 2 by 10 cartridge disk system (Bernoulli box) for greatly increased mass storage and easy back up; an Amdek 310A monochrome monitor with Genoa display adapter to allow graphics capability; an 80287 numeric coprocessor; a Masterpiece brand surge protector; and an Epson FX-100+ wide carriage dot matrix printer. In cases in which equipment or software necessary to apply skills acquired in the course were lacking in the home institution, INPLAN has provided or will provide them as part of its ongoing relationships with these institutions. Full systems or enhancements have already been provided to six of the countries, and it is anticipated that the remaining four countries will receive systems in the next reporting period.

The course was highly successful both in increasing the capability of the participants, and thereby their home institutions, to integrate population factors into their development planning and in strengthening or developing the relationships between INPLAN and host country institutions which are necessary for appropriate implementation of further INPLAN assistance. At the conclusion of the course, most of the participants had developed strong population-development related skills, both conceptual and practical. Participants themselves gave high praise to the course in the anonymous evaluations completed at the conclusion of the course. Follow-up visits made by INPLAN staff to six of the ten countries have shown the former participants to have retained much of what they had learned and to be eager to share their knowledge and act as important resources for their institutions. It is anticipated that nine of the ten countries represented will receive major INPLAN assistance in the future.

In the Spring of 1986, RTI/INPLAN will carry out two five-week RTI-based courses in Applied Population and Development Planning. One of these courses will be conducted in Spanish and the other in French in order to make this training available to non-English speakers.

US-BASED TRAINING IN APPLIED POPULATION AND DEVELOPMENT PLANNING FOR SENEGALESE PLANNERS

The six-week training course in Applied Population and Development Planning attended by eight Senegalese planners from August 18 through September 30, 1985 was part of a cooperative effort of INPLAN and RAPID-II to provide a program of assistance coordinated through the National Population Commission (CONAPOP). CONAPOP, in keeping with its mandate to encourage the integration of population into development planning and policy, proposed a set of activities which would result in modified RAPID-type presentations in a number of sectors, including education, health and rural development and which would involve technical inputs from several ministries.

The director of CONAPOP was anxious that the model development be carried out by Senegalese, which meant that a significant portion of the total set of activities should be training. INPLAN and RAPID-II developed a program of assistance in which INPLAN would provide the necessary training for planners from each of the ministries, while RAPID-II would provide technical assistance in preparation of the computer presentations and models. Since appropriate microcomputer equipment and software were not available to the Senegalese planners, it was agreed that INPLAN would provide seven IBM-PC systems and RAPID-II would provide one system.

The course was carried out in Chapel Hill, NC, with a curriculum which was similar to that of the three-month course recently completed at RTI. Both lecture/discussions and microcomputer applications carried out by the participants were included. Among the microcomputer packages covered were Lotus, SPSS-PC, Edix, and the RTI/INPLAN MPP program. Theoretical and practical applications in planning in the education, employment, agriculture and health sectors were stressed. The focus was somewhat more specific than the earlier course, since all of the participants were engaged in a similar undertaking. Some individual-level work was carried out during the course.

At the close of the formal instruction in NC, participants went on a study tour of Washington, DC and New York. They visited with cooperating agencies, AID, BuCen and the United Nations. The Population Reference Bureau hosted a number of the Washington based-activities.

Five IBM-PC's with two floppy disk drives, 640k RAM, 8087 numeric coprocessors, IBM monochrome monitors, Genoa Spectrum graphics adapter cards, and Epson FX-100+ dot matrix printers were used during the course. This afforded each participant ample opportunity to use the computers. These computers, along with three others (one of which is being provided by the RAPID-II project), are being transferred to the ministries in which the participants are employed. Experience during the course with SPSS-PC and the Multiregional Population Projection model suggested that these programs, which require a large mass storage device, would be extremely beneficial to population-development work in Senegal. Therefore, each system will be furnished with a twenty megabyte fixed hard disk.

The participants mastered the material in the course very successfully and were enthusiastic about what they learned and applying it to the modeling work on their return to their ministries. The microcomputer equipment and software will be transferred to the Government of Senegal and shipped by RTI/INPLAN at the close of the course. Shortly thereafter an RTI staff member will travel to Senegal to install the equipment and review material with the participants. In a continuing collaborative undertaking, a seminar to review the modelling work is scheduled for March 1986 and will be attended by both RAPID-II and INPLAN staff.

WORKSHOPS ON MULTIREGIONAL POPULATION PROJECTIONS AND MICROCOMPUTERS IN POPULATION-DEVELOPMENT WORK (THAILAND AND MEXICO)

As part of the integrated set of activities designed to strengthen capabilities to incorporate population factors into development planning in several countries, workshops on the microcomputer-based Multiregional Population Projection model developed by RTI/INPLAN and uses of microcomputers in population-development work were carried out during this reporting period. In this report, we briefly describe the activities in Thailand and Mexico to illustrate how these activities are integrated into the INPLAN program of assistance (information on other in-country training programs is given in the annexes).

In Thailand, continuing INPLAN activities are designed to strengthen the capabilities of the National Economic and Social Development Board (NESDB), the principal planning institution in the country, specifically the Population and Manpower Division. Previous work had demonstrated the urgent need for assistance in making population projections in a timely manner and taking into account interregional migration as well as increasing computing capabilities and providing training in microcomputer applications.

The INPLAN program of assistance was designed to increase NESDB's capabilities to incorporate population factors into development planning and address particular needs in projections and planning skills. It includes training, both in the US and in Thailand, technical assistance in developing an education-employment planning model, and the transfer of two microcomputer systems to NESDB.

As part of this program of assistance, RTI/INPLAN staff carried out a two-and-a-half week training workshop in July in Bangkok. The training program included an introduction to microcomputer applications for population-development planning; a word processing package; SPSS-PC; Lotus 1-2-3; and a week of training in using the Multiregional Population Projection model. A member of the Division had attended the three-month course at RTI in the Spring and was most helpful in assisting with the training. (A list of the participants and their positions is given in Annex C.)

In connection with this activity, two IBM-AT's, configured as in the three month training program, were transferred to NESDB. Until this time NESDB had had to rely on the overused mainframe computer and the computer programming staff for all of its population projections and much of its analysis.

This workshop and the transfer of microcomputers has greatly enhanced the capability of the Division to make meaningful and timely contributions to integrating population into development planning in Thailand. There will be follow-up work in population projections as well as technical assistance in developing an education-manpower-labor force model with the Division and probably assistance in data analysis of a recent labor force survey. The principal collaborators for these later activities were participants in the workshop.

The training program held in Mexico City was also an integral part of INPLAN's continuing assistance. The participants were from the two institutions with which INPLAN will be working over the next two years: the National Population Council (CONAPO) and the Mexican Social Security Institute (IMSS). This course in using microcomputers for population-development work primarily emphasized use of the MPP model but also instructed participants in the use of the operating system, a text editor and Lotus. Participants learned the material well, and follow-up activities planned for Mexico will allow review of materials as necessary.

This training is the first step in several additional activities with both institutions which will build on the skills acquired. Future work with CONAPO is expected to include another training program and the development of a model training course in demographic analysis and modelling to be used in the 32 regional CONAPO's. IMSS will make use of this training in making rural-urban projections by age and sex for Mexico for the period 1980-2000 and elaborating on these projections for females with respect to users and nonusers of contraceptive methods; and using these projections for planning for family planning and estimating diffusion of acceptance of family planning methods. These activities of IMSS will be supported by INPLAN both through research subcontracts and technical assistance by project staff.

ANNEX A

SUMMARY OF INPLAN COUNTRY ACTIVITIES TO DATE

AFRICA

Kenya

Project Development: Dr. E. Fried visited Nairobi from June 24 through July 4, 1985 to carry out project development work. INPLAN project manager, Dr. S. Radloff was present for part of that time. USAID, the Ministry of National Planning (MNP), and the National Council for Population and Development (NCPD) requested INPLAN assistance. A tentative plan for initial activities was developed.

Training: Mr. Boniface Omuga Koyugi, Planning Officer in MNP attended the RTI-based course in Applied Population and Development Planning, March 18 through June 1, 1985.

Technical Assistance: As follow-up to Koyugi's training, INPLAN furnished an IBM-AT microcomputer system and software to MNP. On Dr. Fried's June-July, 1985 visit, she and Koyugi installed the machine. An orientation to hardware and software was provided to the sectoral planning officers.

Future Work: Dr. Fried is expected to visit Nairobi in early 1986 to plan the seminar on population and development requested by USAID, NCPD, and MNP, and tentatively scheduled for Spring 1986. At that time plans for a regional training workshop will be discussed with REDSO/EAF. Additional future work for Kenya, which has been tentatively suggested, includes district level seminars on the uses of population data for district level planning and training in the use of the MPP model. Half the costs of Kenya-specific activities are expected to be covered through a buy-in from the Mission.

Ivory Coast

Training: M. Jean Kreman Konan, Assistant Director of Planning, Ministry of Labor, is attending the 1985 semester-long ILO-University of Michigan course on population and development.

Malawi

Training: Mr. T.P. Zamaere, Senior Statistician with the Ministry of Health attended INPLAN's course on Applied Population and Development Planning at the RTI campus (March 18 through June 1, 1985).

Future Work: In order that Mr. Zamaere and his colleagues be able to make use of the training received by Mr. Zamaere, it is expected that INPLAN will furnish an IBM-AT microcomputer system and software. An INPLAN staff member is expected to visit Lilongwe to install the equipment and software and review material in early 1986.

Mali

Project Development: Dr. R. S. Moreland visited Mali February 9-14, 1985 to carry out project development work.

Training: Institute of the Sahel computer programmer Ms. Nafissatou Diop visited RTI July 3-11, 1985. She received training in the use of dBASE III, in preparation for INPLAN assistance in the computerization of a socio-economic data base currently being compiled for Sahelian countries at the Institute of the Sahel.

Technical Assistance: One copy of the French language version of dBASE III was provided to the Institute of the Sahel.

Future Work: Two in-country seminars on population and development planning for Sahelian planners and demographers are planned. The first of these has been scheduled for July, 1986 and the second for the end of 1986. Additional assistance will be provided in connection with the socio-economic data base.

Nigeria

Project Development: A two-person project development trip was made (Kocher: January 29-February 7, 1985; and Moreland: January 30-February 4, 1985). During their August, 1985 visit to Lagos, Drs. Arcia and Moreland met with Mr. F.O. Williams, Assistant Director for International Labour Relations, Federal Ministry of Employment, Labour and Productivity to discuss the possibility for INPLAN assistance and training. A formal request for assistance is expected.

Training: Mr. G.C T. Nzekwu, Federal Ministry of Planning, attended the INPLAN course on Applied Population and Development Planning held at RTI March 18-June 1, 1985. Mr. O.O. Onabanjo, Federal Ministry of Agriculture, Mr. T.A. Ubuane, Federal Ministry of Health, and Mr. O.A. Olasebikan, attended several weeks of the INPLAN course on Applied Population and Development Planning in the Spring of 1985, while working with INPLAN staff to develop planning models.

Mr. Abraham A. Taiwo, planning officer, Federal Ministry of Planning is attending the 1985 semester-long ILO-University of Michigan course in population and development.

Technical Assistance: INPLAN staff worked in collaboration with the ministries of Planning, Agriculture and Health in the development of planning models for the agriculture, education, health and macro-economic sectors at RTI and during two visits to Nigeria of Drs. Arcia and Moreland in June and August, 1985. The models are to be used for the Five Year Plan which is currently under development.

As follow up to IPDP assistance, additional microcomputer hardware, spare parts, and supplies were sent to the ministries of Health, Agriculture and Planning.

Further enhancements to the microcomputers provided under IPDP were provided to the ministries of Planning, Health, Agriculture and Labor and were installed during the August 1985 visit of Drs. Moreland and Arcia.

Future Work: Continued development of the four sectoral planning models will take place over the next several months. A one or two day seminar is planned for early 1986 to disseminate the results of the models. A second course on the use of microcomputers is planned for mid-1986.

Senegal

Project Development: Dr. J. Knowles visited Dakar on a project development trip January 26-February 1, 1985. At this time joint INPLAN-RAPID II activities were developed.

Training: In August and September eight Senegalese planners (Mssrs. Ba, Diame, Ben Geloune, Kebe, Manga, Ndao, Sadio, and Sall) received six weeks of training in Applied Population and Development Planning in North Carolina. These planners will receive technical assistance from RAPID II in developing modified sectoral RAPID presentation.

Technical Assistance: Dr. J. Knowles attended a seminar in Dakar from July 8-11, 1985 at which plans for the modelling and training activities were discussed.

Future Work: RTI/INPLAN will transfer seven IBM-PC systems with fixed hard disks to the ministries of the planners who have participated in the US-based training and are participating in the modelling activity. RTI staff member Mr. L. McMaster will visit Dakar in late 1985 to install the equipment and software and review materials with the trainees. Dr. J. Knowles will attend the seminar at which the results of the modelling activities will be presented.

Somalia

Project Development: Dr. E. Fried made two project development visits to Mogadishu (July 4-11, 1985 and September 8-15, 1985). The Ministry of National Planning (MNP), USAID, and the ILO advisor agreed to a set of activities which would assist in the Five Year Plan which is under development. It was also agreed that the Mission and INPLAN would provide partial support for the completion of the IPDP-funded Settlement Survey, if UNFPA could provide one third of the necessary funds.

Training: Mr. Omar Ali Mohamed, head of the Demographic and Social Statistics Section of the Central Statistics Department, MNP, and Mr. Aden Ismail Shirwa, Head of Research and Studies of the Human Resources Department, MNP, attended the INPLAN course on Applied Population and Development Planning held at RTI from March 18 through June 1, 1985.

Ms. Sadia Ali Hersi, Head of Manpower Planning, Human Resources Department, MNP, is attending the 1985 semester-long ILO-University of Michigan course in population and development.

Technical Assistance: INPLAN provided enhancements to the IBM-PC previously provided by DDD to the Central Statistics Department. Dr. Fried installed them with Mr. Omar on Fried's July, 1985 visit. INPLAN provided an IBM-PC system with appropriate hardware and software to the Human Resources Department, which previously had no access to computers. Dr. Fried installed the hardware and software and provided review and orientation during her September 1985 visit.

Future Work: A workshop on the uses microcomputers in population development planning work is planned for late January 1986. This will be followed by technical assistance in the development of a planning model in the area of education-employment-manpower which will be used as input for the Five Year Plan currently being developed. A seminar to disseminate the results of the modelling exercise will be held at the completion of the activity.

Zaire

Project Development: Two project development trips were made by Dr. R.S. Moreland (February 4-8, 1985 and August 26-28, 1985). During these visits a program of INPLAN assistance was developed with GOZ and USAID, with USAID agreeing to provide partial support through a buy-in.

Future Work: A seminar on the use of microcomputers for population and development planning is scheduled for October 28-November 8, 1985. In connection with this activity and additional activities, INPLAN is transferring four IBM-XT microcomputer systems. Two additional in-country seminars are planned over the life of the project.

ASIA

India

Project Development: Dr. J. Kocher made a project development visit to India in February 1985. A plan of technical assistance and training was developed and informally agreed upon by the Mission and GOI.

Training: Mr. P.N. Kapoor, Statistical Officer in Charge of Evaluation, and Mr. A.K. Vishandass, Research Officer, both of the Ministry of Health and Family Welfare, attended the INPLAN course in Applied Population and Development Planning held at RTI from March 18 through June 1, 1985.

Future Work: It is expected that two phases of the assistance (to be known as PSP - Population Simulation Project) will take place, both supported by a Mission bilateral. The first phase would consist mainly of the development and application of RAPID-II models for two Indian states. The second phase would consist of the development and application of a health and family planning program cost-benefit model at the national and/or State levels. Microcomputer transfer and training are expected to take place in relation to these activities and as follow-up to training received by Messrs. Kapoor and Vishandass. Initiation of project work is awaiting final approval by the Government of India.

Indonesia

Project Development: Dr. D. Chao made three project development trips to Jakarta (November, 1985; February 21-March 7, 1985; and September, 1985) and Dr. J. Kocher made one project development trip (February 24-March 1, 1985) to Jakarta. GOI and the Mission made requests for considerable INPLAN assistance during these trips, and the Mission agreed to a cost sharing arrangement for some of these activities.

Training: In September 1985, Dr. Chao, Ms. H. Ryan and Mr. G. Cressman carried out a two week training program on the uses of microcomputers in population-development planning work for staff of BKKBN and six other ministries.

Technical Assistance: In response to a request for technical assistance to the Mission, RTI/INPLAN prepared a program, using a commercial spreadsheet package, which analyzes the financial impact of the Indonesian family planning program on GOI education and health sector objectives. A report based on the analysis was submitted to the Mission in April, 1985 and was subsequently incorporated into the Mission evaluation of USAID's role in the Indonesian family planning program.

Future Work: It is expected that INPLAN will begin its technical assistance to the Ministry of Education and Culture in developing an education sector model in late 1985. In January 1986, a staff member from the Ministry is expected to visit RTI to receive training in the use of the model shell and technical assistance in developing the model. It is likely that additional in-country training will be provided and that a regression-based cost-benefit of family planning model will be developed over the life of the project.

Sri Lanka

Project Development: Dr. D. Chao visited Sri Lanka for project development work in November, 1984. GOSL requested technical assistance, training and research support from INPLAN. During a second project development trip in September, 1985, Dr. Chao worked with the Population Division, Ministry of Plan Implementation (MOPI) to revise the work plan for requested activities.

Training: Mr. Wijerama P.A. Lionel, Planning Officer in the Population Division of MOPI, attended the INPLAN course on Applied Population and Development Planning at RTI from March 18 through June 1, 1985. In September 1985, Mr. G. Cressman gave a one week training program on uses of microcomputers in population-development work at the Population Division, MOPI.

Technical Assistance: Dr. Chao attended and made a presentation at a symposium on microcomputer applications in developing countries, sponsored by the US National Academy of Sciences and the Computer and Information Technology Council of Sri Lanka from November 4-9, 1984.

In order that Mr. Lionel and others in the Division have access to appropriate hardware and software for population-development planning work, INPLAN transferred an IBM-AT system to the Division in September, 1985.

Future Work: Activities to be implemented in FY 1986 include technical assistance and training in connection with the development of a microcomputer-based model to evaluate the cost-effectiveness and cost-benefit of the National Family Planning program. INPLAN will also provide support for a research project which will analyze the socio-economic and family planning impacts on fertility changes. Partial support for these activities is being provided by the Asia/Near East Bureau.

Thailand

Project Development: During Dr. Chao's first project development trip (November 14-20, 1984), the Mission requested technical assistance for the Population Policy Background Paper for the sixth Five Year Plan. Project development was carried out during the technical assistance trip of Drs. Chao, Crouch, Fried and Kocher in February, 1985. The National Economic and Social Development Board (NESDB) requested assistance in microcomputer transfer and training and in modelling.

Training: Mrs. Chanpen Siripiphat, Policy and Planning Analyst with NESDB attended the INPLAN course on Applied Population and Development Planning held at RTI from March 18 through June 1, 1985. From July 15 to July 30, 1985 in Bangkok, INPLAN staff carried out a training program for NESDB staff. The program covered the uses of microcomputers in population-development work and the use of the MPP model.

Technical Assistance: Drs. Chao, Crouch, Fried and Kocher provided technical assistance on four research studies being prepared for the Population Policy Background Paper for the sixth Five Year Plan during their February, 1985 visit. The studies are being prepared by Drs. Theinchay, Suchada, Wattana and Yongyuth, all professors at Thai universities. Areas being covered are the social and economic consequences of population factors for urban problems, education, land availability and old age security. In connection with this activity, INPLAN prepared a population projection program using Lotus 1-2-3 for calculating single year, single year of age projections from five year projections. Dr. Crouch visited Thailand in April 1985 to monitor the ongoing research projects and to teach the researchers to use the projection program. In July 1985, Dr. Chao attended a seminar in Bangkok where the results of the four research projects were presented and discussed.

In July 1985, INPLAN transferred two IBM-AT microcomputer systems to NESDB and installed them. These machines will make it possible for NESDB to carry out population-development work which they were previously unable to do, due to lack of access to computing facilities.

Research Support: INPLAN is providing technical assistance for four Mission-supported research studies for the Population Policy Background Paper to the sixth Five Year Plan (February 1985 through November 1985). Drafts of three of the papers and a draft of a paper on the population projection methods were received by RTI in September, 1985.

Future Work: INPLAN staff will continue to provide technical assistance on the population research papers, giving comments on current drafts of the papers. INPLAN expects to provide technical assistance and training to the Population and Manpower Division of NESDB in developing an education-manpower-employment planning model. This and other activities in Thailand are being partially support through a buy-in from the Asia/Near East Bureau.

LATIN AMERICA AND THE CARIBBEAN

Bolivia

Project Development: Dr. O. Wolowyna made project development visits to Bolivia during January 8-22 and January 29-February 2, 1985. On a project development trip by Dr. Wolowyna August 26- September 11, 1985, a draft plan of INPLAN activities was drawn up. It is anticipated that partial funding will come from the Mission and Pathfinder.

Training: Ms. Maria Teresa Aguirre, a senior technical staff member of the National Population Commission (CONAPO), Ministry of Planning, attended the INPLAN course on Applied Population and Development Planning held at the RTI campus March 18 through June 1, 1985.

From August 28 through September 10, 1985 Dr. Wolowyna and Ms. D. Napolitano conducted a training program in La Paz for CONAPO staff on microcomputer applications in population-development planning, including further instruction in the use of the MPP model. One staff member each from the National Statistics Institute and one from the Ministry of Planning and Coordination attended, in addition to eight staff from CONAPO.

Technical Assistance: As follow-up to the training received by Ms. Aguirre and for use of CONAPO in population-development work, INPLAN transferred an IBM-AT microcomputer system in August 1985.

Future Work: Future work with CONAPO is likely to include applications of the MPP model in population redistribution and technical assistance in the development of planning models in the health and agriculture-nutrition sectors. A formal proposal for research support is expected in late 1985.

Dominican Republic

Project Development: Dr. L. Crouch made project development visits during December 19, 1984-January 7, 1985 and March 10-24, 1985 in conjunction with other non-INPLAN activities. During Dr. Crouch's visit September 16-27, 1985, meetings were held with Mr. N. Ramirez, head of the Institute for Studies on Population and Development (IEPD) and USAID regarding INPLAN assistance in a population and education research project as well as other assistance.

Training: In September 1985, Dr. Crouch and Dr. del Pinal of DDD conducted a course on microcomputer applications to integrated population and development planning for staff of IEPD, the National Council for Population and the Family (CONAPOFA), and the Dominican Agrarian Institute (IAD).

Technical Assistance: In September 1985, INPLAN transferred two IBM-AT microcomputer systems. This was provided in conjunction with the training for CONAPOFA and IEPD and anticipated future activities.

Future Work: It is anticipated that INPLAN will provide assistance on a research project to be carried out by IEPD in population and education and possibly one or more modelling activities. At least one IEPD staff member is expected to attend the INPLAN course offered in Spanish in Applied Population and Development Planning in the Spring of 1986.

Jamaica

Project Development: In late September, 1985, Dr. L. Crouch made a project development visit to Jamaica where he met with Ms. Lorna Murray and Ms. Grace Strachan of the Planning Institute of Jamaica (PIOJ) and Ms. June Rattray of the National Family Planning Board to discuss possible INPLAN assistance.

Future Work: It is anticipated that INPLAN will transfer hardware enhancements and software and provide advanced training in Lotus and SPSS for PIOJ. It is possible that at a later time INPLAN may provide technical assistance and training in conjunction with a labor force/manpower planning and the MPP models. Activities are expected to receive Mission support through a buy-in.

Ecuador

Project Development: INPLAN staff held initial discussions with USAID and CONADE staff during non-INPLAN in-country trips in October and November 1985.

Future Work: One or more additional project development visits are anticipated for early 1986. Assistance is expected to be partially supported through Mission buy-in.

Mexico

Project Development: Dr. O. Wolowyna made the first INPLAN project development visit to Mexico in February, 1985. GOM and USAID requested substantial INPLAN assistance. Project development work also took place during Dr. Wolowyna's June 1985 visit to carry out a training program.

Training: In June 1985 Dr. Wolowyna and Ms. D. Napolitano conducted a two week training program on microcomputer applications for staff of the National Population Council (CONAPO) and the Mexican Social Security Institute (IMSS). Instruction was provided in the MPP model as well as in other uses of microcomputers.

Ms. Irma Espinosa, research scientist, CONAPO, is attending the 1985 semester-long ILO-University of Michigan course in population and development.

Technical Assistance: Enhancements to the existing microcomputer equipment of CONAPO and IMSS were provided by INPLAN in June 1985.

During September 1985, Act. Leopoldo Nunez Fernandez of IMSS visited RTI where he received technical assistance from Dr. Wolowyna in specifying baseline data and future trends for rural-urban population projections for Mexico.

Research Support: Two subcontracts with RTI have been drawn up. The Academia Mexicana en Demografia Medica will conduct research to estimate the data necessary for making projections for work being carried out by IMSS. The project is directed by Lic. Leopoldo Nunez Fernandez between July 1, 1985 and June 30, 1986. In a second project, CONAPO will conduct research necessary for regional education and labor force models. The project is directed by Lic. Manual Ordorica Mellado, beginning October 15, 1985 and terminating June 15, 1987.

Future Work: INPLAN will provide assistance to IMSS in carrying out projections which bear directly on the diffusion of family planning. Over the life of the INPLAN project, CONAPO will receive assistance in training and in developing training materials to be used on the regional level.

NEAR EAST

Egypt

Project Development: Dr. Kocher made a project development visit to Egypt January 25-29, 1985.

Training: Dr. Imam Saleh Lotfalla, a senior health economist in the Institute of National Planning (INP), attended the INPLAN course on Applied Population and Development Planning held at RTI from March 18 through June 1, 1985.

Future Work: INPLAN expects to provide an IBM-AT to the INP in January 1986, to be followed by training and technical assistance in development of a health planning model. It is also possible that a family planning program cost-benefit model will be developed for the National Population Council.

Morocco

Project Development: Dr. J. Knowles made a project development and technical assistance visit to Morocco in January 1985 and worked with staff of the Ministry of Plan (MOP).

Technical Assistance: In December 1984, an INPLAN microcomputer was transferred to and installed at MOP by an RTI staff member. In February 1985, Dr. Knowles provided technical assistance in initial development of population-development models for use in the next Three Year Development Plan (1986-88). These population impact models are in the areas of education, family planning, employment, health, water, agriculture, housing, manpower and population and involve several ministries. In April 1985, Dr. Knowles visited Morocco to provide assistance on model development. On this trip planners were trained in the use of and presentation of models in the areas of demographics, family planning, education and employment. In May 1985, Dr. Knowles visited Morocco to provide technical assistance in the modeling activities and in planning for a national seminar at which population impact would be discussed and results of the modeling exercises presented.

In April 1985, an IBM-AT microcomputer system was transferred to MOP. In May 1985, an Okidata printer was transferred to MOP.

Future Work: In October 1985, Dr. Knowles will visit Morocco to provide assistance in carrying out a national seminar on population and development planning, at which the results of the modeling activities will be presented. Further training and technical assistance are anticipated after the completion of the seminar. All activities in Morocco have been support by a Mission buy-in.

Tunisia

Project Development: Dr. R.S. Moreland made a project development visit to Tunisia January 28-30, 1985.

Training: Ministry of Plan (MOP) official M. Mohamed Skouri visited RTI April 24-May 10, 1985 where he received training in the use of the IBM-AT microcomputer and the RTI/INPLAN MPP program, in preparation for the next Five Year Plan.

Technical Assistance: In support of the population projection activities in connection with the Five Year Plan preparations and anticipated future collaboration, INPLAN transferred an IBM-AT microcomputer system to the Ministry of Plan, Human Resources Division, in June 1985.

Future Work: It is expected that INPLAN will work with the ministries of Plan and Education in the development of an enhanced Human Resources Planning Model for Tunisia. INPLAN anticipates working with MOP in the development of a long term demographic-economic model for Tunisia. A Near East regional seminar is planned to take place in Tunisia in the Summer of 1986. This work will be supported by a buy-in from the Asia/Near East Bureau.

Turkey

Training: Mr. Mahir Kondu, Planning Expert with the State Planning Organization (SPO), attended the INPLAN course on Applied Population and Development Planning held at the RTI campus from March 18 through June 1, 1985.

Future Work: INPLAN anticipates providing two or three IBM microcomputers together with substantial training and technical assistance to staff of the SPO during the life of the project. An INPLAN staff project development visit is planned for early in FY 1986.

ANNEX B

INPLAN STAFF

RTI program and technical staff members who spent half or more of their time working on the INPLAN project during this reporting period are listed below.

James E. Kocher, PhD, Director
Ellen Shapiro Fried, PhD, Deputy Director
Mary C. Scott, Project Manager
R. Scott Moreland, PhD, Senior Economist
Dennis N.W. Chao, PhD, Senior Population Economist
Oleh Wolowyna, PhD, Senior Demographer
Gustavo Arcia, PhD, Senior Economist
Gordon Cressman, MS, Microcomputer Specialist and Programmer
Luis Crouch, PhD, Senior Economist
Diane Napolitano, Analyst
Cindy McClintock, Program Analyst

The following additional RTI technical staff members made significant contributions to specific project activities during the reporting period, while working less than half-time on the project.

Beth Barnwell, PhD, Software Design Specialist
Susan Settergren, MS, Statistician and Computer Specialist
Larry McMaster, Microcomputer Specialist
Kirsten Olson, MS, Economist
Hazel Ryon, Analyst
Dee Stribling, PhD, Programmer

Through a subcontract with The Knowles Corporation, Dr. James C. Knowles spent approximately four months working on INPLAN project activities during the reporting period.

Carol Serpien, computer software design specialist, has made a significant contribution to the development of the programming shell working for RTI as a consultant.

Liz Lundy, Lydia Lyon, Jacki Epperson and Linda Downs were the principal RTI support staff who worked on the project during this period.

TABLE 1
TRAINING/STUDY TOUR PARTICIPANTS

Country	Trainee/Pos/Inst	Course	Location	Dates
Bolivia	Ms. Maria Teresa Aguirre Coordinator of Spatial Population Distribution Program Ministerio de Planeamiento Y Coordinacion	Applied Population and Development Planning	RTPK, NC Washington, DC New York, NY	March 18-May 25, 1985 May 25-29, 1985 May 29-31, 1985
Egypt	Dr. Imam Saleh Lotfalla Health Economist Institute of National Planning	Applied Population and Development Planning	RTPK, NC Washington, DC New York, NY	March 18-May 25, 1985 May 25-29, 1985 May 29-31, 1985
India C.T.	Mr. P.N. Kapoor Officer on Special Duty (OSD) in charge of Evaluation Ministry of Health and Family Welfare	Applied Population and Development Planning	RTPK, NC Washington, DC New York, NY	March 18-May 25, 1985 May 25-29, 1985 May 29-31, 1985
India	Mr. A.K. Vishandass Research Officer (Policy) Ministry of Health and Family Welfare	Applied Population and Development Planning	RTPK, NC Washington, DC New York, NY	March 18-May 25, 1985 May 25-29, 1985 May 29-31, 1985
Kenya	Mr. Boniface Omuga K'oyugi Planning Officer Ministry of Finance and Planning	Applied Population and Development Planning	RTPK, NC Washington, DC New York, NY	March 18-May 25, 1985 May 25-29, 1985 May 29-31, 1985
Malawi	Mr. Terry P. Zamaere Senior Statistician Ministry of Health	Applied Population and Development Planning	RTPK, NC Washington, DC New York, NY	March 18-May 25, 1985 May 25-29, 1985 May 29-31, 1985
Nigeria	Mr. Gregory C.T. Nzekwu Principal Planning Officer Federal Ministry of National Planning	Applied Population and Development Planning	RTPK, NC Washington, DC New York, NY	March 18-May 25, 1985 May 25-29, 1985 May 29-31, 1985

TABLE 1 (CONTINUED)

Country	Trainee/Pos/Inst	Course	Location	Dates
Somalia	Mr. Omar Ali Mohamud Head of Demographic and Social Statistics Section Central Statistics Department Ministry of National Planning	Applied Population and Development Planning	RTPK, NC Washington, DC New York, NY	March 18-May 25, 1985 May 25-29, 1985 May 29-31, 1985
Somalia	Mr. Aden Ismail Shirwa Head of Research and Studies Human Resources Department Ministry of National Planning	Applied Population and Development Planning	RTPK, NC Washington, DC New York, NY	March 18-May 25, 1985 May 25-29, 1985 May 29-31, 1985
Sri Lanka	Mr. Wijerama P.A. Lionel Planning Officer Population Division Ministry of Plan Implementation	Applied Population and Development Planning	RTPK, NC Washington, DC New York, NY	March 13-May 25, 1985 May 25-29, 1985 May 29-31, 1985
2 Thailand	Mrs. Chanpen Siripiphat Policy and Planning Analyst Population and Manpower Planning Division National Economic and Social Development Board (NESDB)	Applied Population and Development Development Planning	RTPK, NC Washington, DC New York, NY	March 18-May 25, 1985 May 25-29, 1985 May 29-31, 1985
Turkey	Mr. Mahir Kondu Planning Expert State Planning Organization	Applied Population and Development Planning	RTPK, NC Washington, DC New York, NY	March 18-March 25, 1985 May 25-29, 1985 May 29-31, 1985
Nigeria	Mr. O. A. Olasebikan Chief Planning Officer (Education) Social Services Department Federal Ministry of National Planning	Applied Population and Development Planning	RTPK, NC	April 17-May 18, 1985
Nigeria	Mr. O. O. Onabanjo Federal Ministry of Agricul- ture, Water Resources & Rural Division Central Planning Department	Applied Population and Development Planning	RTPK, NC	April 17-May 18, 1985

TABLE 1 (CONTINUED)

Country	Trainee/Pos/Inst	Course	Location	Dates
Nigeria	Mr. T. A. Ubuane Federal Ministry of Health Directorate of National Health Planning & Research	Applied Population and Development Planning	RTPK, NC	April 17-May 18, 1985
Tunisia	Mr. Mohamed Skouri Planner Ministry of Plan	Applied Population and Development Planning	RTPK, NC	April 24-May 10, 1985
Mexico	Blas Belmont Analyst Actuarial Division IMSS	Using Microcomputers for Population and Development Planning, Including MPP	Mexico City	June 16-26, 1985
Mexico C.3	Leonila Flores Analyst Family Planning Division IMSS	Using Microcomputers for Population and Development Planning, Including MPP	Mexico City	June 16-26, 1985
Mexico	Javier Gonzalez Programmer Family Planning Division IMSS	Using Microcomputers for Population and Development Planning, Including MPP	Mexico City	June 16-26, 1985
Mexico	Silvia Jimenez Analyst Family Planning Division IMSS	Using Microcomputers for Population and Development Planning, Including MPP	Mexico City	June 16-26, 1985
Mexico	Daniel Hernandez Analyst Family Planning Division IMSS	Using Microcomputers for Population and Development Planning, Including MPP	Mexico City	June 16-26, 1985
Mexico	Doroteo Mendoza Analyst Family Planning Division IMSS	Using Microcomputers for Population and Development Planning, Including MPP	Mexico City	June 16-26, 1985

TABLE 1 (CONTINUED)

Country	Trainee/Pos/Inst	Course	Location	Dates
Mexico	Leopoldo Nunez Head of Demographic Studies Family Planning Division IMSS	Using Microcomputers for Population and Development Planning, Including MPP	Mexico City	June 16-26, 1985
Mexico	Miguel Sanchez Programmer Family Planning Division IMSS	Using Microcomputers for Population and Development Planning, Including MPP	Mexico City	June 16-26, 1985
Mexico	Luisa Ma Benitez Head of International Migration CONAPO	Using Microcomputers for Population and Development Planning, Including MPP	Mexico City	June 16-26, 1985
C.4 Mexico	Sergio Camposortega Head of Information and Forecasting CONAPO	Using Microcomputers for Population and Development Planning, Including MPP	Mexico City	June 16-26, 1985
Mexico	Rafael Garcia Analyst CONAPO	Using Microcomputers for Population and Development Planning, Including MPP	Mexico City	June 16-26, 1985
Mexico	Rafael Gonzalez Head of Population and Development Department CONAPO	Using Microcomputers for Population and Development Planning, Including MPP	Mexico City	June 16-26, 1985
Mexico	Vicente Medina Head of Population Projec- tions Department CONAPO	Using Microcomputers for Population and Development Planning, Including MPP	Mexico City	June 16-26, 1985

TABLE 1 (CONTINUED)

Country	Trainee/Pos/Inst	Course	Location	Dates
Mexico	Francisco Padilla Researcher Division of Regional and SE Studies CONAPO	Using Microcomputers for Population and Development Planning, Including MPP	Mexico City	June 16-26, 1985
Mexico	Javier Perez Head of Information Department CONAPO	Using Microcomputers for Population and Development Planning, Including MPP	Mexico City	June 16-26, 1985
Mexico	Miguel Rodriguez Head of Regional and Urban Development CONAPO	Using Microcomputers for Population and Development Planning, Including MPP	Mexico City	June 16-26, 1985
5 Mali	Ms. Nafissatou Diop Computer Programmer Institute of the Sahel	dBase III	RTPK, NC	July 3-11, 1985
Thailand	Mr. Chet Boonpratuang Chief Population Planning Sector NESDB	Using Microcomputers for Data Processing and Analysis of Demo- graphic Data for Development Planning	Bangkok, Thailand	July 15-31, 1985
Thailand	Ms. Chirapaporn Laima Analyst Population Planning Sector NESDB	Using Microcomputers for Data Processing and Analysis of Demo- graphic Data for Development Planning	Bangkok, Thailand	July 15-31, 1985
Thailand	Ms. Chanpen Siripiphat Policy and Planning Analyst Population Planning Sector NESDB	Using Microcomputers for Data Processing and Analysis of Demo- graphic Data for Development Planning	Bangkok, Thailand	July 15-31, 1985

TABLE 1 (CONTINUED)

Country	Trainee/Pos/Inst	Course	Location	Dates
Thailand	Mr. Surachai Koomsin Analyst Population Planning Sector NESDB	Using Microcomputers for Data Processing and Analysis of Demo- graphic Data for Development Planning	Bangkok, Thailand	July 15-31, 1985
Thailand	Dr. Jawalasksana Rachapaetayakom Chief Wage and Employment Planning Sector NESDB	Using Microcomputers for Data Processing and Analysis of Demo- graphic Data for Development Planning	Bangkok, Thailand	July 15-31, 1985
Thailand	Ms. Jutamas Wayachut Analyst Wage and Employment Planning Sector NESDB	Using Microcomputers for Data Processing and Analysis for Demo- graphic Data for Development Planning	Bangkok, Thailand	July 15-31, 1985
Thailand	Ms. Wilai Wongpoonsin Analyst Manpower Development Planning Sector NESDB	Using Microcomputers for Data Processing and Analysis of Demo- graphic Data for Development Planning	Bangkok, Thailand	July 15-31, 1985
Thailand	Mr. Preecha Viyavong Analyst Human Resource Policy and Planning Sector NESDB	Using Microcomputers for Data Processing and Analysis of Demo- graphic Data for Development Planning	Bangkok, Thailand	July 15-31, 1985
Senegal	Mr. Hamidou Ba Statistician/Demographer Ministry of Plan and Cooperation Planning Division	Applied Population and Development Plan- ning (French with Specific Application to Senegal)	RTPK, NC Washington, DC New York, NY	August 18-September 25, 1985 September 25-28, 1985 September 28-30, 1985

TABLE 1 (CONTINUED)

Country	Trainee/Pos/Inst	Course	Location	Dates
Senegal	Mr. Hadji Malick Diame Statistician/Demographer Ministry of Health DRPF	Applied Population and Development Plan- ning (French with Specific Application to Senegal)	RTPK, NC Washington, DC New York, NY	August 18-September 25, 1985 September 25-28, 1985 September 28-30, 1985
Senegal	Mr. Bachir Ben Geloune Economist/Demographer CONAPOP Ministry of Plan and Cooperation	Applied Population and Development Plan- ning (French with Specific Application to Senegal)	RTPK, NC Washington, DC New York, NY	August 18-September 25, 1985 September 25-28, 1985 September 28-30, 1985
Senegal	Mr. Amadou Kebe Economist Secretariat of Labor	Applied Population and Development Plan- ning (French with Specific Application to Senegal)	RTPK, NC Washington, DC New York, NY	August 18-September 25, 1985 September 25-28, 1985 September 28-30, 1985
C.7 Senegal	Mr. Velence Manga Regional Planner Division of Regional Planning Secretariat of Decentralization	Applied Population and Development Plan- ning (French with Specific Application to Senegal)	RTPK, NC Washington, DC New York, NY	August 18-September 25, 1985 September 25-28, 1985 September 28-30, 1985
Senegal	Mr. Makha Ndao Chief Planning Division Directorate of Research and Planning Ministry of National Education	Applied Population and Development Plan- ning (French with Specific Application to Senegal)	RTPK, NC Washington, DC New York, NY	August 18-September 25, 1985 September 25-28, 1985 September 28-30, 1985
Senegal	Mr. Abdoulaye Sadio Demographer Ministry of Economy and Finance Department of Statistics	Applied Population and Development Plan- ning (French with Specific Application to Senegal)	RTPK, NC Washington, DC New York, NY	August 18-September 25, 1985 September 25-28, 1985 September 28-30, 1985

TABLE 1 (CONTINUED)

Country	Trainee/Pos/Inst	Course	Location	Dates
Senegal	Mr. Amdil Bassikou Sall Agricultural Economist Ministry of Rural Development	Applied Population and Development Plan- ning (French with Specific Application to Senegal)	RTPK, NC Washington, DC New York, NY	August 18-September 25, 1985 September 25-28, 1985 September 28-30, 1985
Bolivia	Lic. Jose Baldivia Director CONAPO	Using Microcomputers for Population and Development Planning, Including MPP	La Paz, Bolivia	August 28-September 10, 1985
Bolivia	Lic. Rene Pereyra Head of Population Division MPC CONAPO	Using Microcomputers for Population and Development Planning, Including MPP	La Paz, Bolivia	August 28-September 10, 1985
Bolivia	Lic. Hugo Torrez Economist/Demographer CONAPO	Using Microcomputers for Population and Development Planning, Including MPP	La Paz, Bolivia	August 28-September 10, 1985
Bolivia	Arq. Maria Teresa Aguirre Regional Planner CONAPO	Using Microcomputers for Population and Development Planning, Including MPP	La Paz, Bolivia	August 28-September 10, 1985
Bolivia	Lic. Maria Elena Querejazu Demographer CONAPO	Using Microcomputers for Population and Development Planning, Including MPP	La Paz, Bolivia	August 28-September 10, 1985
Bolivia	Ms. Sylvia Calderon Head Documentation Center CONAPO	Using Microcomputers for Population and Development Planning, Including MPP	La Paz, Bolivia	August 28-September 10, 1985

TABLE 1 (CONTINUED)

Country	Trainee/Pos/Inst	Course	Location	Dates
Bolivia	Mr. Jose Uribe Sociologist CONAPO	Using Microcomputers for Population and Development Planning, Including MPP	La Paz, Bolivia	August 28-September 10, 1985
Bolivia	Ms. Monica Carrasco Secretary CONAPO	Using Microcomputers for Population and Development Planning, Including MPP	La Paz, Bolivia	August 28-September 10, 1985
Bolivia	Mr. Sergio Cornejo Programmer Ministry of Plan and Cooperation	Using Microcomputers for Population and Development Planning, Including MPP	La Paz, Bolivia	August 28-September 10, 1985
Bolivia C.9	Ms. Gilka Jimenez Population Specialist INE	Using Microcomputers for Population and Development Planning, Including MPP	La Paz, Bolivia	August 28-September 10, 1985
Ivory Coast	Mr. Jean Kreman Konan Assistant Director of Planning Ministry of Labor	ILO-Univ. of Mich. Course in Population and Development	Ann Arbor, MI	September 1-December 15, 1985
Mexico	Ms. Irma Espinosa Research Scientist CONAPO	ILO-Univ. of Michigan Course in Population and Development	Ann Arbor, MI	September 1-December 15, 1985
Nigeria	Mr. Abraham A. Taiwo Planning Officer Federal Civil Service Commission	ILO-Univ. of Michigan Course in Population and Development	Ann Arbor, MI	September 1-December 15, 1985
Somalia	Ms. Sadia Ali Hersi Head of Manpower Planning Department of Human Resources Ministry of National Planning	ILO-Univ. of Michigan Course in Population and Development	Ann Arbor, MI	September 1-December 15, 1985

TABLE 1 (CONTINUED)

Country	Trainee/Pos/Inst	Course	Location	Dates
Indonesia	Drs. Ny E. Srihartati P. Pandi Deputy for Development	Microcomputer Models for Integrated Popula- tion and Development Planning	Jakarta, Indonesia	September 9-11, 1985
Indonesia	Drs. Soetedjo Moeljodihardjo Deputy for Planning and Analysis	Microcomputer Models for Integrated Popula- tion and Development Planning	Jakarta, Indonesia	September 9-11, 1985
Indonesia	Drs. H. Mahyudin Deputy for Operation	Microcomputer Models for Integrated Popula- tion and Development Planning	Jakarta, Indonesia	September 9-11, 1985
C.10 Indonesia	Drs. H. Santoso S. Hamijoyo Deputy for Program Personnel	Microcomputer Models for Integrated Popula- tion and Development Planning	Jakarta, Indonesia	September 9-11, 1985
Indonesia	Drs. Muh Pangestuhadi Sk Deputy for General Affairs	Microcomputer Models for Integrated Popula- tion and Development Planning	Jakarta, Indonesia	September 9-11, 1985
Indonesia	Drs. Soegeng Supari Deputy for Supervision	Microcomputer Models for Integrated Popula- tion and Development Planning	Jakarta, Indonesia	September 9-11, 1985
Indonesia	Drs. Mardhani S. Dipo Expert	Microcomputer Models for Integrated Popula- tion and Development Planning	Jakarta, Indonesia	September 9-11, 1985
Indonesia	Drs. R. H. Pardoko Expert	Microcomputer Models for Integrated Popula- tion and Development Planning	Jakarta, Indonesia	September 9-11, 1985

TABLE 1 (CONTINUED)

Country	Trainee/Pos/Inst	Course	Location	Dates
Indonesia	Drs. A. Cholil Expert	Microcomputer Models for Integrated Popula- tion and Development Planning	Jakarta, Indonesia	September 9-11, 1985
Indonesia	Drs. Sahala Panyaitan Director Bureau of Analysis	Microcomputer Models for Integrated Popula- tion and Development Planning	Jakarta, Indonesia	September 9-11, 1985
Indonesia	Drs. Pudjo Rahardjo Director Bureau of Planning	Microcomputer Models for Integrated Popula- tion and Development Planning	Jakarta, Indonesia	September 9-11, 1985
C.11 Indonesia	Dr. Aminarto Director Bureau of Logistics	Microcomputer Models for Integrated Popula- tion and Development Planning	Jakarta, Indonesia	September 9-11, 1985
Indonesia	Drs. Sugeng Waluyo Director Center for Family Planning Study	Microcomputer Models for Integrated Popula- tion and Development Planning	Jakarta, Indonesia	September 9-11, 1985
Indonesia	Drs. Ny Sunarti Sudomo Director Center for Biomedical Study	Microcomputer Models for Integrated Popula- tion and Development Planning	Jakarta, Indonesia	September 9-11, 1985
Indonesia	Drs. Bambang Suryopranoto Director Center for Information	Microcomputer Models for Integrated Popula- tion and Development Planning	Jakarta, Indonesia	September 9-11, 1985

TABLE 1 (CONTINUED)

Country	Trainee/Pos/Inst	Course	Location	Dates
Indonesia	Drs. Made Are Subrata Director Computer Center	Microcomputer Models for Integrated Popula- tion and Development Planning	Jakarta, Indonesia	September 9-11, 1985
Indonesia	Mr. Sumarsono Director Bureau of Information and Motivation	Microcomputer Models for Integrated Popula- tion and Development Planning	Jakarta, Indonesia	September 9-11, 1985
Indonesia	Dr. Harry Victor Darmokusumo Director Bureau of Integration	Microcomputer Models for Integrated Popula- tion and Development Planning	Jakarta, Indonesia	September 9-11, 1985
Indonesia C.12	Dr. Soemarno Director Personnel Training Center	Microcomputer Models for Integrated Popula- tion and Development Planning	Jakarta, Indonesia	September 9-11, 1985
Indonesia	Drs. Edeng H. Abd Rahman Ministry of Population and Environment	Microcomputer Models for Integrated Popula- tion and Development Planning	Jakarta, Indonesia	September 9-11, 1985
Indonesia	Drs. Affandi Ministry of Home Affairs	Microcomputer Models for Integrated Popula- tion and Development Planning	Jakarta, Indonesia	September 9-11, 1985
Indonesia	Drs. Bahari Harahap Bureau of Reporting and Record- ing	Microcomputer Models for Integrated Popula- tion and Development Planning	Jakarta, Indonesia	September 9-11, 1985

TABLE 1 (CONTINUED)

Country	Trainee/Pos/Inst	Course	Location	Dates
Indonesia	Drs. Unung Amihardja Training Center for Program Personnel	Microcomputer Models for Integrated Popula- tion and Development Planning	Jakarta, Indonesia	September 9-11, 1985
Indonesia	Dr. Subajio Bureau of Analysis	Microcomputer Models for Integrated Popula- tion and Development Planning	Jakarta, Indonesia	September 9-11, 1985
Indonesia	Drs. Thamrin Center for Information	Microcomputer Models for Integrated Popula- tion and Development Planning	Jakarta, Indonesia	September 9-11, 1985
Indonesia C.13	Mr. Sudarmasto HOTL	Microcomputer Models for Integrated Popula- tion and Development Planning	Jakarta, Indonesia	September 9-11, 1985
Indonesia	Drs. L. Sudarmadi Bureau of Planning	Microcomputer Models for Integrated Popula- tion and Development Planning	Jakarta, Indonesia	September 9-11, 1985
Indonesia	Drs. Agus Rukanda IRO	Microcomputer Models for Integrated Popula- tion and Development Planning	Jakarta, Indonesia	September 9-11, 1985
Indonesia	Drs. Imam Hendargo Ismoyo Ministry of Population and Environment	Microcomputer Models for Integrated Popula- tion and Development Planning	Jakarta, Indonesia	September 9-11, 1985
		Using Microcomputers for Integrated Popula- tion and Development Planning	Jakarta, Indonesia	September 11-20, 1985

TABLE 1 (CONTINUED)

Country	Trainee/Pos/Inst	Course	Location	Dates
Indonesia	Drs. Darlis Rabai Demography Center University of Indonesia	Microcomputer Models for Integrated Popula- tion and Development Planning	Jakarta, Indonesia	September 9-11, 1985
		Using Microcomputers for Integrated Popula- tion and Development Planning	Jakarta, Indonesia	September 11-20, 1985
Indonesia	Yaya Heryadi Ministry of Education and Culture	Microcomputer Models for Integrated Popula- tion and Development Planning	Jakarta, Indonesia	September 9-11, 1985
		Using Microcomputers for Integrated Popula- tion and Development Planning	Jakarta, Indonesia	September 11-20, 1985
Indonesia	Titiek Setyowati Ministry of Health	Microcomputer Models for Integrated Popula- tion and Development Planning	Jakarta, Indonesia	September 9-11, 1985
		Using Microcomputers for Integrated Popula- tion and Development Planning	Jakarta, Indonesia	September 11-20, 1985
Indonesia	Drs. Maman Setiawan, MA Ministry of Planning	Microcomputer Models for Integrated Popula- tion and Development Planning	Jakarta, Indonesia	September 9-11, 1985
		Using Microcomputers for Integrated Popula- tion and Development Planning	Jakarta, Indonesia	September 11-20, 1985

TABLE 1 (CONTINUED)

Country	Trainee/Pos/Inst	Course	Location	Dates
Indonesia	Drs. Hadiyono Bureau of Reporting and Recording	Microcomputer Models for Integrated Popula- tion and Development Planning	Jakarta, Indonesia	September 9-11, 1985
		Using Microcomputers for Integrated Popula- tion and Development Planning	Jakarta, Indonesia	September 11-20, 1985
Indonesia	Drs. Sugijartono Training Center for Program Personnel	Microcomputer Models for Integrated Popula- tion and Development Planning	Jakarta, Indonesia	September 9-11, 1985
		Using Microcomputers for Integrated Popula- tion and Development Planning	Jakarta, Indonesia	September 11-20, 1985
Indonesia	Drs. Sudwadi Wimandjaja Bureau of Finance	Microcomputer Models for Integrated Popula- tion and Development Planning	Jakarta, Indonesia	September 9-11, 1985
		Using Microcomputers for Integrated Popula- tion and Development Planning	Jakarta, Indonesia	September 11-20, 1985
Indonesia	Drs. Eman Ministry of Home Affairs	Microcomputer Models for Integrated Popula- tion and Development Planning	Jakarta, Indonesia	September 9-11, 1985
		Using Microcomputers for Integrated Popula- tion and Development Planning	Jakarta, Indonesia	September 11-20, 1985

TABLE 1 (CONTINUED)

Country	Trainee/Pos/Inst	Course	Location	Dates
Indonesia	Drs. Ben Mamoto Center for Decision Study	Microcomputer Models for Integrated Popula- tion and Development Planning	Jakarta, Indonesia	September 9-11, 1985
		Using Microcomputers for Integrated Popula- tion and Development Planning	Jakarta, Indonesia	September 11-20, 1985
Indonesia	Wisol, SH Bureau of Program Supervision	Microcomputer Models for Integrated Popula- tion and Development Planning	Jakarta, Indonesia	September 9-11, 1985
		Using Microcomputers for Integrated Popula- tion and Development Planning	Jakarta, Indonesia	September 11-20, 1985
Indonesia	Eddy Hidayat Bureau of Logistics	Microcomputer Models for Integrated Popula- tion and Development Planning	Jakarta, Indonesia	September 9-11, 1985
		Using Microcomputers for Integrated Popula- tion and Development Planning	Jakarta, Indonesia	September 11-20, 1985
Indonesia	Dr. Heru P. Kasidi Center for Biomedical Study	Microcomputer Models for Integrated Popula- tion and Development Planning	Jakarta, Indonesia	September 9-11, 1985
		Using Microcomputers for Integrated Popula- tion and Development Planning	Jakarta, Indonesia	September 11-20, 1985

TABLE 1 (CONTINUED)

Country	Trainee/Pos/Inst	Course	Location	Dates
Indonesia	Drs. M. Sardjan Bureau of Personnel	Microcomputer Models for Integrated Popula- tion and Development Planning	Jakarta, Indonesia	September 9-11, 1985
		Using Microcomputers for Integrated Popula- tion and Development Planning	Jakarta, Indonesia	September 11-20, 1985
Indonesia	Drs. Thamrin Andi Pallawa PUJID	Using Microcomputers for Integrated Popula- tion and Development Planning	Jakarta, Indonesia	September 11-20, 1985
Indonesia C.17	Soni Trisno Wibisono, BSC BAP	Using Microcomputers for Integrated Popula- tion and Development Planning	Jakarta, Indonesia	September 11-20, 1985
Indonesia	Drs. Subagyo BAP	Using Microcomputers for Integrated Popula- tion and Development Planning	Jakarta, Indonesia	September 11-20, 1985
Indonesia	Ny. Teguh Ashmar, MA BIREN	Using Microcomputers for Integrated Popula- tion and Development Planning	Jakarta, Indonesia	September 11-20, 1985
Indonesia	Drs. Soekirno Hadimartono BAP	Using Microcomputers for Integrated Popula- tion and Development Planning	Jakarta, Indonesia	September 11-20, 1985
Indonesia	Ir. Djusni Meirida PUSIK	Using Microcomputers for Integrated Popula- tion and Development Planning	Jakarta, Indonesia	September 11-20, 1985

TABLE 1 (CONTINUED)

Country	Trainee/Pos/Inst	Course	Location	Dates
Dominican Republic	Maritza Molina Achécar Evaluation Sub-Director CONAPOFA	Microcomputer Applications to Integrated Population and Development Planning	Santo Domingo, Dominican Republic	September 16-27, 1985
Dominican Republic	Francisco Cáceres Demographer CONAPOFA	Microcomputer Applications to Integrated Population and Development Planning	Santo Domingo Dominican Republic	September 16-27, 1985
Dominican Republic	Dominicana Rodriguez Cairo Executive Secretary CONAPOFA	Microcomputer Applications to Integrated Population and Development Planning	Santo Domingo, Dominican Republic	September 16-27, 1985
C.18 Dominican Republic	Rosa Queiro Calcano Data Processing Specialist CONAPOFA	Microcomputer Applications to Integrated Population and Development Planning	Santo Domingo, Dominican Republic	September 16-27, 1985
Dominican Republic	Maria A. Montero Assistant in Research and Evaluation CONAPOFA	Microcomputer Applications to Integrated Population and Development Planning	Santo Domingo, Dominican Republic	September 16-27, 1985
Dominican Republic	Carmen Gómez Carrasco Research Assistant IEPD	Microcomputer Applications to Integrated Population and Development Planning	Santo Domingo, Dominican Republic	September 16-27, 1985
Dominican Republic	Santiago Hirujo Education Specialist Population and Development Research Institute	Microcomputer Applications to Integrated Population and Development Planning	Santo Domingo, Dominican Republic	September 16-27, 1985
Dominican Republic	Manuel Quiterio Researcher Population and Development Research Institute	Microcomputer Applications to Integrated Population and Development Planning	Santo Domingo, Dominican Republic	September 16-27, 1985

TABLE 1 (CONTINUED)

Country	Trainee/Pos/Inst	Course	Location	Dates
Dominican Republic	Nelson Ramirez Director Population and Development Research Institute	Microcomputer Applications to Integrated Population and Development Planning	Santo Domingo, Dominican Republic	September 16-27, 1985
Dominican Republic	Antonio Tatis Research Assistant Population and Development Research Institute	Microcomputer Applications to Integrated Population and Development Planning	Santo Domingo, Dominican Republic	September 16-27, 1985
Dominican Republic	Senaida Jansen (Observer) Data Processing Specialist Dominican Agrarian Institute	Microcomputer Applications to Integrated Population and Development Planning	Santo Domingo, Dominican Republic	September 16-27, 1985
Dominican Republic C.19	Bolivar Gil (Observer) Computation Sub-director ONE	Microcomputer Applications to Integrated Population and Development Planning	Santo Domingo, Dominican Republic	September 16-27, 1985
Sri Lanka	Mr. Lionel Wijerama Planning Officer Population Division Ministry of Plan Implementation	Microcomputer Applications in Population and Development Planning	Colombo, Sri Lanka	September 21-30, 1985
Sri Lanka	Mr. Craig Carlson Special Assistant to Director Population Division Ministry of Plan Implementation	Microcomputer Applications in Population and Development Planning	Colombo, Sri Lanka	September 21-30, 1985
Sri Lanka	Ms. Neelakshe Desilva Special Service Officer Population Division Ministry of Plan Implementation	Microcomputer Applications in Population and Development Planning	Colombo, Sri Lanka	September 21-30, 1985

TABLE 2
RESEARCH PROJECTS

Country	Project Name	Princ. Invest.	Institution	Dates
Thailand	Research Studies for Population Policy Background Paper			
	1. Population impact on urban problems	Thienchay	Chulalongkorn University	1985
	2. Population impact on land availability	Yongyuth	Kasetsart University	1985
	3. Population impact on old age security	Suchada	Chulalongkorn University	1985
C.20	4. Population impact on education planning	Wattana	Chulalongkorn University	1985
Mexico	Rural-Urban Projections by Age and Sex with Females Disaggregated by Users/Non-users of Contraceptive Methods	Nunez Fernandez	Academia Mexicana	7/85-6/86
Mexico	Planning of Regional Education and Labor Force Demands	Ordorica Mellado	CONAPO	10/85-6/87

TABLE 3

MODEL DEVELOPMENT AND APPLICATIONS

Model	Language	Micro.	Country Applic.	Collab. Institution	Main Collaborator	Dates
Modelling Program Shell	Turbo-Pascal	IBM	Developmental	————	————	1984-1985
Population, Education, Labor Force Model	Turbo-Pascal	IBM	Developmental	————	————	1985
Cost-Benefit Model	Lotus 1-2-3	IBM	Indonesia	1. USAID/Jakarta 2. Family Planning Coordination Board (BKKBN)	David Piet Haryono Suyono	1985
C.21 Multi-regional Population Model	FORTRAN	IBM	Bolivia	1. National Population Council	Jose Baldivia	1985
				2. National Statistics Institute	Jesus Herrera	1985
Population Projection Utility Model	Lotus 1-2-3	IBM	Thailand	1. Thailand Development Research Institute (TDRI) 2. Chulalongkorn University	Khunying Thongtip Ratanarat Thienchay Kiranandada	1985
Bachue-International (downloaded and enhanced)	FORTRAN	IBM	General	ILO		1985-87
Agriculture	Turbo-Pascal	IBM	Nigeria	Fed. Min. of Agriculture	Onabanjo	1985-86
Health	Turbo-Pascal	IBM	Nigeria	Fed. Min. of Health	Ubuane	1985-86
Education (UNESCO)	Turbo-Pascal	IBM	Nigeria	Fed. Min. of National Planning	Olasebikan	1985-86

TABLE 3 (CONTINUED)

Model	Language	Micro.	Country	Applic.	Collab. Institution	Main Collaborator	Dates
Macroeconomy	Lotus 1-2-3	IBM	Nigeria		Fed. Min. of National Planning	Nzekwu	1985-86
Education*	Turbo-Pascal	IBM	Morocco		Ministry of Plan	Gouitaa	1985
Family Planning*	Turbo-Pascal	IBM	Morocco		Ministry of Public Health	Ouakrim	1985
Employment*	Turbo-Pascal	IBM	Morocco		Ministry of Plan	Benrida	1985
Manpower*	Turbo-Pascal	IBM	Morocco		Ministry of Plan	Benrida	1985
Health*	Turbo-Pascal	IBM	Morocco		Ministry of Public Health	Mechbel	1985
Agriculture*	Turbo-Pascal	IBM	Morocco		Ministry of Agriculture	Naanani	1985
Water*	Turbo-Pascal	IBM	Morocco		Office National de l'Eau Potable	El Youbi	1985
Population*	Turbo-Pascal	IBM	Morocco		Ministry of Plan	Nouijai	1985

*Models will be integrated into one using shell. Models use microsimulation.

TABLE 4
MICROCOMPUTER TRANSFER

Country	Location	Micro Specs or Enhancements	Mass Storage	Monitor	Printer	Power Supply/Regulator	Software	Dates
Kenya	Ministry of National Planning	IBM-AT, 512K 2 floppy drives 80287 numeric coprocessor; Genoa color/graphics card	Iomega 2x10 mega-byte cartridge system	Amdek-310A	Epson FX 100+	Sola Reg. 500 VA	Standard Package*	6/85
Mali	Institute of the Sahel						dBase III	1985
C.23 Nigeria	Federal Ministry of Agriculture	8087 numeric co-processor AST 6 pack+ with 384K RAM	Iomega 2x10 mega-byte dual cartridge system		Epson FX 100+		Wordix Spellix Turbo-Pascal SPSS-PC	8/85
Nigeria	Federal Ministry of Labor	8087 numeric coprocessor	iomega 2x10 mega-byte dual cartridge system		Epson FX 100+		Turbo-Pascal	8/85
Nigeria	Federal Ministry of National Planning	IBM-PC 256K RAM 2 floppy drives		Amdek 310A	Epson FX 100+		DOS 3.1 Lotus Wordstar	8/85
Nigeria	Federal Ministry of National Planning	8087 numeric coprocessor AST 6 pack+ with 384K RAM Genoa color graphics card	Iomega 2x10 mega-byte dual cartridge system			Topaz UPS 400 VA	Turbo-Pascal SPSS-PC Wordix Spellix	8/85

TABLE 4 (CONTINUED)

Country	Location	Micro Specs or Enhancements	Mass Storage	Monitor	Printer	Power Supply/Regulator	Software	Dates
Nigeria	Federal Ministry of Health	8087 numeric coprocessor; AST 6 pack+ with 384K RAM	Iomega 2x10 mega-byte dual cartridge system		Epson FX 100+		Wordix Spellix Turbo-Pascal SPSS-PC	8/85
Somalia	Human Resources Department Ministry of National Planning	IBM-PC 640K 2 floppy drives 8087 numeric coprocessor; Genoa color/graphics card	Iomega 2x10 mega-byte dual cartridge system	Amdek 310A	Epson FX 100+	Topaz UPS 1000 VA	Standard package*	9/85
Somalia	Statistics Dept. Ministry of National Planning	AST 6 pack+ with 384K RAM 8087 numeric coprocessor; Genoa color/graphics card	Iomega 2x10 mega-byte dual cartridge system			Topaz UPS 400 VA	Standard package*	7/85
Sri Lanka	Population Div. Ministry of Plan Implementation	IBM-AT 512K RAM 2 floppy drives 80287 numeric coprocessor; Genoa color/graphics card	Iomega 2x10 mega-byte dual cartridge system	Amdek 310A	Epson FX 100+	Sola Reg. 500 VA	Standard package*	9/85
Thailand	NESDB	2 IBM-AT 512K RAM 2 floppy drives 80287 numeric coprocessor; Genoa color/graphics card	2 Iomega 2x10 mega-byte dual cartridge systems	2 Amdek 310A	2 Epson FX 100+	2 Topaz Reg. 500 VA	2 Standard Packages*	7/85

TABLE 4 (CONTINUED)

Country	Location	Micro Specs or Enhancements	Mass Storage	Monitor	Printer	Power Supply/Regulator	Software	Dates
Bolivia	CONOPO Ministry of Planning	IBM-AT 512K RAM 2 floppy drives 80287 numeric coprocessor; Genoa color/graphics card	Iomega 2x10 mega-byte dual cartridge system	Amdek 310A	Epson FX 100+	Sola Reg. 500 VA	Standard Package*; Supercalc for Apple and IBM; SLMicro for Apple; Wordstar for Apple; dBASE II for Apple; Microsoft FORTRAN	8/85
C.25 Dominican Republic	CONAPOFA	IBM-AT 512K RAM, 2 floppy drives	Iomega 2x10 mega-byte dual cartridge system	Amdek 310A	Epson FX 100+		Lotus dBASE III Turbo-Pascal Edix Wordix SPSS-PC Survey Mate DOX 3.1	9/85
Dominican Republic	IEPD	IBM-AT 512K RAM, 2 floppy drives	Iomega 2x10 mega-byte dual cartridge system	Amdek 310A	Epson FX 100+		Lotus dBASE III Turbo-Pascal Edix Wordix SPSS-PC Survey Mate DOS 3.1	9/85
Mexico	CONAPO		Iomega 2x10 mega-byte dual cartridge system				Lotus Edix SPSS-PC	6/85

TABLE 4 (CONTINUED)

Country	Location	Micro Specs or Enhancements	Mass Storage	Monitor	Printer	Power Supply/Regulator	Software	Dates
Mexico	IMSS	8087 numeric coprocessor	Iomega 2x10 mega-byte dual cartridge system		Epson FX 100+		Microsoft FORTRAN Turbo-Pascal Edix	6/85
Morocco	Ministry of Plan	IBM-PC 640K 2 drives		Amdek-300A	Epson FX 100+	Sola 500 VA		1984
Morocco	Ministry of Plan	IBM-AT 512K RAM; 2 floppy drives; Genoa color/graphics display AST 6 pack+ with 384K RAM AST 6 pack+ with 64K RAM	20 Mb fixed disk	Amdek-310A			DOS 3.1 dBASE III SPSS-PC	4/85
Morocco	Ministry of Plan				Okidata 93			5/85
Tunisia	Human Resources Division, Ministry of Plan	IBM-AT 512K RAM; Genoa color/graphics card	Iomega 2x10 mega-byte dual cartridge system	IBM Mono-chrome			Lotus dBASE III SPSS/PC	6/85

* The standard software package includes: PC-DOS (highest level available at the time); Turbo-Pascal; Lotus 1-2-3; SPSS-PC; dBASE (highest level available); Wordstar; Edix; Wordix.

TABLE 5

TECHNICAL ASSISTANCE

Country	Activity	Collab. Institution	Main Collaborator	Dates
Indonesia	Assistance to USAID in analyzing expenditure impact of Indonesia's Family Planning Program	USAID/Jakarta	David Piet and Marge Bonner	1985
Thailand	Assistance in the preparation of Population Policy Background Paper for the sixth national plan	Thailand Development Research Institute (TDRI) and Chulalongkorn Univ.	Thienchay, Suchada, Wattana and Yongyuth	1985
Morocco	Assistance in population and development modelling	Ministries of Plan, Public Health, Water and Agriculture	Ahmed Benrida	1985
Nigeria	Assistance in population and development modelling	Federal Ministries of Planning, Agriculture and Health	G. C. T. Nzekwu	1985
Senegal	Assistance in planning development of RAPID-type sectoral models in collaboration with RAPID II	CONAPO	A. Faye	1985-86