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Tenth session of the Conference
of African Statisticians
Addis Ababa, 17-22 October 1977

REPORT ON ECA STATISTICAL ACTIVITIES 1975-1977

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Introduction

1. This report describes SOA statistical activities since the ninth session of the Conference of African Statisticians in October 1975. It provides material for assessing recent accomplishments and problems and for revising the future work programme. In addition it makes brief reference to some matters arising from the nineteenth session of the UN Statistical Commission.

Organisation and staff

2. Following agreement on a revised African development strategy the SOA secretariat was re-structured in 1976 to enable a better response to the objectives of the strategy. In the Statistics Division the greater part of the work on national accounts and general economic statistics was consolidated in a single section. External trade statistics was placed in a separate section because of the large quantity of processing involved. That section was given the additional temporary responsibility for co-ordinating the work on a regional documentation reference service and was named the Data Bank Section. The only other important change was the transfer of the Data Processing Section to the Division of Administration, Conferences and General Services in line with UN policy on computer management.

3. As a result the Statistics Division now has the following structure and allocation of posts:

	<u>Professional staff</u>	<u>Regional advisers</u>	<u>General service</u>
Office of Chief	1	-	6
General economic statistics	6	1	8
Demographic and social statistics	2	-	1
African Census Programme	-	4	5
Data bank	3	-	4
Total	<u>12</u>	<u>5</u>	<u>24</u>

4. Availability of regional advisers and professional staff is shown in the following table:

Professional Time Available

Man-months

Jan-June

<u>Consultant</u>	<u>1975</u>	<u>1976</u>	<u>1977</u>
Data Bank Operation			
Mr. N. Divoy	-	$\frac{1}{2}$	-
Training			
Mr. L.B. Monyake	-	-	3
Mr. A.Y. Kponton	-	-	3/4
<u>Regional Advisers</u>			
National Accounts			
Mrs. Nguyen Thi Nguyen	12	12	6
Population Censuses			
Mr. K.T. de Graft-Johnson	6	12	6
Mr. L. St. John-Jones	4	-	-
Mr. Y. de Jocas	4	-	-
Mr. A.K. Maitra	12	12	6
Mr. G. Casaux	2	-	-
Mr. W.F. Hess	6	6	-
Mr. N.E. Ladjri	-	10	6
Mr. W. Raible	-	-	3
Total.....	46	52 $\frac{1}{2}$	30 3/4
<u>Staff Members</u>			
Office of Chief			
Mr. W.L. Becker	12	12	6
General Economic Statistics			
Mr. K.C. Wang	12	12	6
Mr. J.F.R. Casimir	12	7	-
Mr. N. Banabila	12	12	6
Mr. T. Fahkfahk	12	3	-
Mr. A. Cummings-Palmer	11	12	6
Mr. K. Tong	-	7	-
Mr. J. Spykerman	12	12	6
Mr. M. Fall	12	12	6
Demographic and Social Statistics	12	12	6
Mr. R. Andrianasolo	12	12	6
Mrs. O. Taylor	11	-	-
Data Bank ^{1/}			
Mr. J.F.R. Casimir	-	5	6
Mr. K. Tong	-	5	6
Data Processing ^{2/}			
Mr. J. de D. Andriamaholisoa	12	7	-
Mr. N. Georgallides	12	7	-
Total	142	125	54
Total all Professional Time	188	177 $\frac{1}{2}$	84 3/4

^{1/} Created in August 1976.^{2/} Transferred to Division of General Administration and Conference Services in August 1976.

5. At the time of writing this report - June 1977 - there are three vacant professional staff posts in the Division. Recruitment to two of the posts is well advanced and candidates are under consideration for the third post.

Implementation of work programme

6. The following notes give a brief description of activities in the principal subject fields. Allocation of professional time between individual projects is shown in Annex I.

General aspects of co-ordination and development

7. A further review of statistical organisation and staffing throughout the region was made in conjunction with the statistical training needs project mentioned in the next section. A revised issue of the Directory of African Statisticians and a further report on the use of electronic data processing equipment are being prepared and should be available in time for the meeting of the Conference. It has not been possible to produce a new issue of the Bibliography of African Statistical Publications because the ICA Library is currently moving into its new accommodation and the bibliography should be computerised as part of the overall documentation reference service.

8. No resources have been available for the study on methods and practices of record keeping scheduled for 1977. The Conference may wish to consider either deletion of this project or its re-definition in more precise terms.

9. Within the context of the project to co-ordinate data bank activities preliminary work was undertaken on the establishment of a computerised documentation reference service including staff training activities and the launching of a survey of documentation centres in the region. However towards the end of May 1977 responsibility for this work was removed from the Statistics Division.

Training

10. Normal supporting activities have been maintained but the principal project has been implementation of the Working Group on Statistical Training Needs in Africa. The project was scheduled for 1976 but was delayed for one year by UNDP financial difficulties. Preparatory consultancy missions and a report containing reference material and provisional recommendations were completed during the first few months of 1977. The Working Group is scheduled to meet in August and the Conference will be responsible for endorsing or revising the Group's recommendations. A draft resolution of the UN Statistical Commission dealing with training is included among the documentation.

National accounts, finance and prices

Regional advisory services

11. Although the ninth session of the Conference requested an additional regional adviser in national accounts Mrs. Nguyen thi Nguyen continued to be the only person available for direct technical assistance in economic statistics. This was principally due to lack of funds and the same difficulty has recently led to a severe curtailment in the mission travel of all regional advisers financed from the UN regular budget.

12. Mrs. Nguyen undertook nine country missions in 1975, seven in 1976 and only one in the first half of 1977; three other assignments requested for the last-named period had to be postponed. The sub-regional distribution of the 17 missions undertaken was as follows: West, 13; Central, 2; North, 1; East, 1. Help was given by Mrs. Nguyen in the development of basic national statistical series, the compilation of national accounts tables and the training of national staff in the implementation of the revised SNA. There is a continuing strong demand for her services.

Methodological studies and manuals

13. Two papers entitled "Progress and experiences of the African countries in using the revised SNA" and "Practices, difficulties and solutions in the case of selected aspects of the revised SNA in the countries of Africa", ESA/STAT/AC.2/10 and 11, were prepared as background documents for the Interregional Seminar on the revised SNA held at Caracas in December 1975.

14. Two draft chapters for an ECA supplement to the UN Handbook on National Accounting have recently been completed. They deal with the measurement and valuation of non-marketed production and the relation between the French (Courcier) system of national accounting and the revised SNA. An additional chapter on GDP estimates in constant prices has been cancelled because the topic will be adequately covered in a special manual which is expected to be ready end-July, 1977.

Seminars and training courses

15. Due to lack of finance the following training courses and seminars could not be held as envisaged in the ECA work programme:

Workshop on income and financial transactions of enterprises and business-accounting (1976)

Short training course for English-speaking African professional national accounting personnel (1976)

Short training course for French-speaking African professional national accounting personnel (1977)

Seminar on fixed capital formation and construction statistics (1977).

16. In fact the only seminar held in the region since the beginning of 1975 was that on External transactions (1975) which was made financially possible through co-sponsorship by the Institute of Statistics and Applied Economics, Kampala.

Statistical studies and development of a data-base

17. Partly as a result of the shortfall in the meetings programme and partly in response to increased demands for data, more staff resources were devoted to the development of a data base and to statistical studies in areas of special importance or weakness.

18. Annual national accounts estimates for individual countries have been maintained as a regular activity within the work programme. They are compiled in three stages each year: (1) preliminary assessment of growth rates by broad production sectors in constant prices in February or March for the year just ended (2) more refined estimates showing sectoral breakdowns in June, and (3) definitive estimates in current and constant prices, expressed in national currencies and US dollars in December/January.
19. These procedures have so far worked out more or less satisfactorily. They do of course involve a continuous up-dating process and official country figures are incorporated as soon as they become available.
20. A new feature of ECA's GDP estimates is the assessment of sectoral deflators for both GDP by kind of economic activity and expenditure on GDP. This has already been done for the period 1970-1975 and has led to some revision of the ECA series for these years. The work is currently being extended to earlier series for the period 1960-1969. Methods and procedures are described in an article in Statistical and Economic Information Bulletin No. 10.
21. Little headway has been made in the regional purchasing power parity study because staff were not available to finalise the analysis of consumer price inquiries relating to African capital cities in 1973 and 1974. There has been a similar delay in preparing a questionnaire for the collection of wholesale prices of capital (investment) goods. Nevertheless this year ECA will be able to give assistance to some African countries which wish to participate in Phase III of the International Comparison Project which is the global counterpart of the regional study. In addition a comparative analysis of price trends by kind of economic activity in Africa and other regions for the period 1960-1975 is in progress and a report should be ready in time for the tenth session of the Conference.
22. Compilation of balance of payments data from various sources has continued but the material has not yet been analysed for publication. Work on the integration of data on external transactions based essentially on balance of payments statistics into the system of national accounts estimates has been taken in hand. Compilation of data on gross domestic capital formation by type of capital asset and kind of economic activity for a similar purpose, is currently in progress.
23. Public sector statistics are still limited mainly to central government and rely heavily on budget estimates because of the delay with which actual revenue and expenditure figures become available. Consolidated data have been published regularly and the most recent summary for the period 1959-1976 is contained in Statistical Information Bulletin No. 110. The same issue includes an article on the financing of public sector investment during 1960-1975. It should be noted that the title of the Bulletin is being changed to avoid confusion with another ECA publication which deals more generally with economic information.
24. The ninth session of the Conference considered several sub-regional studies which consolidated available information on private consumption expenditure and requested continuation of the work. This will be done when staff resources permit but in the meantime it is probably more important to make the African Household Survey Capability Programme properly operational because it will greatly improve household expenditure and other data.

External trade statistics

25. To assist in improving the timeliness and coverage of national trade statistics a survey of country practices has been undertaken and a report will be presented to the Conference. The importance of producing annual trade data more speedily is illustrated by the following figures. By May 1977 the UN Statistical Office and ECA together had received 1976 data from only 1 African country; as at the same date the corresponding figure for 1975 data was 22 and for 1974 data 32.

26. The A and B series of the publication Foreign Trade Statistics for Africa, which cover direction of trade and trade by commodity respectively, continued unchanged in the absence of improved computer facilities at ECA. However a new series C comprising analytical summary tables has been introduced in accordance with the wishes of the Conference.

27. Punch cards in respect of trade data processed by ECA in recent years have been transmitted to the Geneva branch of the UN Statistical Office for inclusion in the global data base. In return the Statistical Office will provide magnetic tape copies of all the material processed by itself and ECA as soon as the new ECA computer equipment becomes operational.

Industrial statistics

28. The principal aim of recent activities has been the provision of regular data for ECA substantive divisions and the establishment of a data base for the region. Mining and manufacturing production data in commodity detail and energy production statistics have been compiled for the period 1950-1974 from various sources including national trade and industrial publications. The series on energy statistics are contained in Statistical and Economic Information Bulletin No. 10, while mineral production series for selected years will be published in Bulletin No. 11.

29. Information on African industrial censuses and surveys conducted within the context of the 1973 world programme will be presented to the Conference in a background document.

30. The development of a data base for construction statistics has not made much headway thus far. Efforts will be made to fill this gap in the near future. Similar attempts will be made to analyse the data thus far compiled in order to obtain some results on productivity, structure and development of manufacturing, capital output ratios, relationship between production and trade in African manufactured products, etc.

Other economic statistics

31. Under this heading are included agricultural, transport and communications, tourism and distribution statistics as well as the preparation of some regular statistical publications.

32. Under an exchange arrangement FAO provides regular production and trade data on African agricultural commodities in return for the ECA national accounts estimates. Such collaboration can be usefully extended. A study on production and trade in selected agricultural commodities is currently in progress.

33. Because the 1976 working group on transport statistics could not be financed, a review of African methodology and practices in this field was published in Statistical and Economic Information Bulletin Nos. 8 and 9. A methodological study on tourism statistics has also been completed and will be included in Bulletin No. 11. There is no prospect of financing the seminar on distribution statistics scheduled for 1977 but it should be noted that this subject is still accorded rather low priority in the region.

34. Preparation of the African Statistical Yearbook has continued regularly but the 1976 issue has been delayed by the introduction of sub-regional summary tables. There is the additional thought that the secretariat ought to convert all value data to a standard unit which would lead to a further delay. Problems of this kind will eventually be solved through computerisation but in the meantime rather serious consideration should be given to arrangements for the Yearbook that would meet user requirements in the most effective manner possible.

35. Demand for the Statistical and Economic Information Bulletin (now Statistical Information Bulletin) remains high even though the publication is not fully bilingual; perhaps its main advantage is that it contains original material that cannot easily be assembled from other sources. The position of the annual African Economic Indicators publication is less clear; there is certainly some room for a document which attempts to present basic African data in the form of simple charts and graphs but the ECA Statistics Division is not satisfied with the professional quality of the existing product.

Demographic and social statistics

36. A study on migration statistics was completed at the end of 1975. The English version was published in Statistical and Economic Information Bulletin No. 8 while the French version appeared in No. 10. It was intended to complete the study with an examination of external migration and to give further consideration to the concepts and definitions in respect of migrants, absentees, visitors, etc. and their implications for data collection and analysis. It has not so far been possible to allocate staff resources to the work which has to be delayed until 1978.

37. A study on methods and problems of the 1970 round of African population and housing censuses was undertaken in 1976/1977. It was originally scheduled to be considered by a working group on recommendations for the 1980 round of censuses before its presentation to the Conference. Budgetary constraints again make the convening of this working group most uncertain. It is therefore expected that the Conference itself will wish to review the draft recommendations in some detail.

38. A report on techniques used in enumerating nomadic populations in African censuses and surveys was finalised in 1977. It includes a discussion on the definitions of various items, methodological case studies and an assessment of the advantages and disadvantages of various techniques, plus general guidelines on the approach to enumerating nomads.

39. Regarding the study on civil registration scheduled for 1977 it should be noted that the UN Statistical Office has issued a questionnaire for the purpose of revising the Handbook of Vital Statistics Methods. To avoid duplication it was agreed that the Statistical Office will send ECA copies of the questionnaires completed by countries of the region and most are expected to arrive by the end of August 1977. Additional information may be requested from countries as needed.

40. The joint ECA/UNICEF project on development of statistics on children and youth could not be implemented because UNICEF has decided to put emphasis on country oriented statistical programmes of an advisory or pilot project nature. It is hoped that the regional project can be revived when relevant statistics become available through such direct technical assistance.

41. Compilation of demographic and social statistics required for ECA studies and publications continued. In particular the preliminary results of the 1970 round of African population censuses have been used to revise the population estimates available at ECA.

42. Finally an inquiry was conducted to ascertain the extent to which African countries have used the International Standard Classification of Occupations (ISCO) in their censuses and surveys. It will be recalled that the use of this classification was recommended at both world and African levels for the 1970 round of population and housing censuses.

African Census Programme

43. A separate report on the census programme will be presented to the Conference and it is necessary here only to recall that the project was organised to assist some 22 African countries which found it difficult to participate in the 1970 round of population censuses. It has been effective in ensuring the conduct of census operations in nearly all of these countries, has made a significant improvement in the demographic statistics of the region and has provided countries with new technical and operational experience, trained staff and geographical frames. The work is continuing into the 1980 census round. One of the principal benefits of the programme has been a demonstration of the impact which a concerted effort in a specific field can have on statistical development as a whole. It has also shown that future programmes can have a much stronger element of technical co-operation.

African Household Survey Capability Programme

44. Again there is separate documentation for the Conference and remarks in the present report will be of a general nature. Success of the African Census Programme led the Conference to consider a follow-up effort to develop permanent national survey capabilities utilising the trained personnel and expertise resulting from the census operations. With the ability to conduct properly organised and continuing programmes of surveys, statistical services would be in a position to supply integrated data on employment, other productive activity, income, consumption and expenditure, together with related social and demographic statistics. Thus the effort to develop survey capabilities will fill what is probably the main gap in African statistics.

45. The new programme, in which a number of African countries are already participating, will require significant international and bilateral assistance but will also be heavily dependent on technical co-operation among countries of the region. This is because the methodology needed for integrated programmes of surveys is still at an early stage of development with respect to both field operations and analysis of the data collected. Exchange of technical experience is therefore of special importance and this is already being achieved with the assistance of ad hoc advisory services; the programme so far lacks regional staff resources. There is the additional prospect of developing collaboration between countries through the use of common services for some aspects of cartography, sampling and data processing.

46. Permanent field survey organisations will clearly not confine their activities to economic and social data at the household level. They can also contribute to the improvement of agricultural, industrial, price and other statistics. Some of these subjects call for special attention and technical co-operation among countries of the region will be an important element. The work can be organised either in the form of special projects or within the overall context of the surveys programme.

47. It should be noted that the surveys programme was considered and strongly supported by the nineteenth session of the UN Statistical Commission. The relevant extract from the Commission's report and its draft resolution on survey capabilities are included in the documentation on the programme.

Conclusions relevant to future work programme

48. A few points emerge rather clearly from the foregoing report on recent statistical activities:

- (1) Regional advisory services financed from the UN regular budget have been dwindling steadily throughout the present decade because the funds provided each year have remained constant.
- (2) Funds for regional technical meetings are available only from ad hoc sources or for meetings which are incorporated in acknowledged ongoing programmes. The previous kind of working group or seminar which served to co-ordinate regional activities, adapt methodology to African conditions and provide an element of training in isolated subject fields is a thing of the past.
- (3) The African Census Programme and the earlier stages of the follow-up project to develop permanent survey capabilities have clearly demonstrated that concerted efforts in selected subject areas or organisational components of statistical infrastructure can have a significant impact on statistical development as a whole.
- (4) The main strengths of the ACA statistical programme appear to be:
 - (a) Technical and organisational support to the kind of operation referred to in (3) above.
 - (b) Evaluation and adaptation of methodology in particular subject fields.
 - (c) Service as a focal point for the consolidation of statistical data for the region as a whole.

49. These considerations imply the need for some change in the relationships between the ECA Statistics Division, the Conference and its member national statistical services. They also imply that the Conference itself should gradually assume a more direct operational responsibility.

50. The Conference of African Statisticians is one of the oldest of the ECA standing bodies and has met regularly every two years since 1959. Its deliberations have been of notably good quality and it has provided excellent services in guiding and co-ordinating national and regional statistical activities as well as the related technical assistance inputs. For 18 years the Conference has therefore completely fulfilled the functions envisaged for it at the opening session of ECA. However it is still a consultative and advisory body and its position is no longer satisfactory in the light of current moves towards self-reliance, regional co-operation, etc.

51. For the Conference to become more operational, possibly in much the same way as the Conference of European Statisticians, it needs financial and manpower resources which can be provided only by its members. It is clear that, in a situation where most African statistical services have to devote all available resources to their own development, extensive regional co-operation projects are not yet feasible. Nevertheless a modest start has to be made.

52. In this connection the secretariat would like to offer a number of suggestions:

- (1) The Conference should look into the possibility of remedying the shortfall in regional advisory services through short assignments by national experts. This would involve ECA compiling, with the help of national statistical offices, a list of national experts in specified fields whose services can be requested on a Government to Government basis.
- (2) It should also assume direct responsibility for at least one statistical development project. Probably the most suitable would be price statistics which are weak at ECA and in most countries but specially relevant to the establishment of a new international economic order. For this, the Conference may need to set up its own small Working Group to discuss details of developing such a project. The costs involved in convening such a Working Group should be met by participating African Governments.
- (3) The Conference should be selective in the number of seminars, workshops and working groups approved. Priority should be given to training workshops in areas where national expertise is rather limited. Such training workshops can be made financially possible in one of the following ways:
 - (a) A training Centre can sponsor and finance the participation of selected trainees.
 - (b) A country can opt to provide host facilities, including interpretation equipment and interpreters. The Governments of participants will pay the fare and per diem of their candidates or alternatively provide for this training under the UNDP country IPF.

- (c) Funds for such courses can be obtained in specific cases from bilateral or multilateral sources but this will require active endorsement of the workshop by the African Governments, concerned.

53. It should be understood that there is no intention on the part of ECA to reduce its supporting activities except insofar as this has already happened through budgetary constraints. The essential consideration is that more direct use of the Conference by the region for statistical development purposes would both strengthen the Conference and give ECA and other agencies better prospects for providing support services.

Work programme

54. The following list of projects is the ECA statistical programme approved by the fourth meeting of the ECA Conference of Ministers in February. Its presentation has been simplified in terms of a subject format which is not explicitly related to the organisational structure of the ECA Statistics Division. The programme should be revised in the light of the Conference's conclusions relating to the foregoing summary report and its recommendations in respect of other agenda items.

9.540.00 General Assembly resolution 2211(XXI); ECOSOC resolution 37(LVII) noting annual report of ECA; sessions 9, 10, 11, 12 of the Commission, ECA Executive Committee and Technical Committee of Experts; Conference of African Statisticians;

Project aim: To develop and co-ordinate statistical services in the African region to meet the growing data requirements for administration, industry, policy formulation and planning for economic and social development;

To develop a regional framework of statistical information, supported by detailed studies, providing a reasonably comprehensive account of the African economic and social situation.

9.541.00 General aspects of co-ordination and development

10 Servicing the tenth (1977), eleventh (1979) and twelfth (1981) sessions of the Conference of African Statisticians;

20 Continuing review of statistical organization problems in the region, preparation of periodic reports, with supporting action as necessary;

30 Biennial publication of the Directory of African Statisticians and the Bibliography of African Statistical Publications and periodic publication of the Statistical Newsletter;

40 Maintenance of an inventory of electronic data processing equipment, related staff resources and applications for the region and the circulation of periodic summaries and evaluations. Study on methods and practices of record keeping (1977) and working group on data processing (1979);

50 Co-ordination of data bank activities. The data bank is expected to include an extensive documentation reference service.

9.942.00 Training

- 10 Support to national and regional statistical training centres and the provision of biennial reports on African statistical training;
- 20 Working Group on Statistical Training Needs in Africa (1976) and follow-up action in collaboration with the UN Statistical Office, UNDP, etc.

9.543.00 National accounts, finance and prices

- 10 Assistance to countries in applying the revised UN System of National Accounts (SNA) and in developing related basic series;
- 11 Provision of regional advisory services in national accounts;
- 12 Preparation of chapters as a supplement to the United Nations National Accounts Manual for use in the African region (1976-1977) to amplify some aspects of the international recommendations in the light of regional conditions;
- 13 Organization of short training courses for African professional national accounting personnel : English-speaking (1976), French-speaking (1977);
- 14 Senior-level workshops or seminars on aspects of the SNA requiring special attention : fixed capital formation and construction statistics (1977), national accounting at constant prices (1978), external transactions (1978), treatment of the services sector in national accounts (1979), deflators for African national accounts (1980);

9.543.20 Development of a data base of African national accounts, external transactions, finance and price statistics, using secretariat estimates where necessary; continuing project co-ordinated with other relevant activities of the United Nations data system;

- 30 Statistical operations and studies in areas of special importance or weakness;
- 31 Purchasing power parities of African currencies, continuing project in collaboration with the International Comparison Study. Extension of existing work on consumers' goods to producers' goods (1977);
- 32 Development of a co-ordinated system of African price statistics at producer, wholesaler, local purchaser, export and world market levels; continuing project in collaboration with the UN Statistical Office. Inputs will be price data regularly available from African countries, additional information collected for 9.543.31 and for selected primary commodities. Preparation of reports: African price movements in relation to those of other regions (1976), producers' prices of principal primary commodities (1978). The project is also relevant to the establishment of current sectoral deflators for African national accounts and other series;
- 33 External transactions statistics : analytical report (1977);

- 34 Public sector reports: Public finance, statistics (annual), financing of investments (1977), analysis of public sector accounts (1978), analysis of trends in public and private consumption expenditure (1979), public debt in African countries (1980), growth and importance of the public sector (1981);
- 35 Private income and consumption; patterns of private consumption expenditure (1976); distribution of income and private consumption in selected countries (1979);
- 36 Examination of statistical relationships between economic aggregate for the improvement of national accounts estimates; continuing project, second periodic report (1979);
- 37 Analysis of input-output tables for selected countries (1979).

9.544.00 External Trade Statistics

- 10 Assistance in improving the coverage and timeliness of national trade statistics. Analytical report on methods and practices in the region (1977);
- 20 Compilation of quarterly data for the periodical publication of Foreign Trade Statistics for Africa, Series A, direction of total trade;
- 30 Processing of annual commodity trade statistics for individual countries in standardized value and quantity units, in collaboration with the UN Statistical Office. Utilization of these records in developing an external trade data base. Publication twice a year of Foreign Trade Statistics for Africa, Series B, trade by commodity and by country;
- 40 Preparation of special tabulations, etc., to assist the development of African trade, with particular reference to intra-African trade and terms of trade. Periodic publication of Foreign Trade Statistics for Africa, Series C, summary tables.

9.545.00 Industrial statistics

- 10 Assistance to individual countries in applying the international recommendations for industrial statistics and in improving the coverage and timeliness of these data. Organization of a regional seminar (1978);
- 20 Development of a data base for general annual industrial statistics and annual and monthly commodity production in the fields of mining, manufacturing, construction and the production of electricity, gas and water. The data base will include energy balance sheets;
- 30 Continuing statistical studies on productivity structure and development of manufacturing in Africa, capital output ratios, local processing of raw materials for export relationship between production and trade in African manufactured products.

9.546.00 Other economic statistics

- 10 Agriculture: Establishment of a data base incorporating selected FAO and other material. Statistical study on production and trade in agricultural commodities (1977);
- 20 Transport and communication: Development of a data base and assistance to countries in collaboration with the UN Statistical Office and other agencies. Organization of a working group on transport statistics (1976), methodological study on measurement of road transport movements (1980) statistical studies on air transport (1980) and African merchant shipping fleets (1981);
- 30 Tourism: Development of a data base. Methodological study (1977) and training seminar (1980);
- 40 Distribution: Initial seminar on development prospects (1977);
- 50 Preparation of the African Statistical Yearbook, the annual African Economic Indicators and the periodic Statistical and Economic Information Bulletin for Africa;

9.547.00 Demographic and social statistics

- 10 Support to the African Census Programme and to the follow-up African Household Survey Capability Programme (which will also cover related economic data);
- 20 Other advisory services in demographic and social statistics;
- 30 Methodological studies: migration statistics (1976), methods and problems of the 1970 round of African population censuses (1976), civil registration (1977), scope and quality of demographic and social statistics in Africa (1980), concepts and definitions for selected demographic and social characteristics (1981);
- 40 Working groups and training workshops: civil registration (1978), migration statistics (1979), framework for the integration of social and demographic statistics (1981);
- 50 Development of an African demographic and social statistics data base;
- 60 Development of statistics on children and youth in collaboration with UNICEF (1977);
- 70 Statistical evaluation of selected social indicators (1978).

9.549.00 African Census Programme

10 Advisory services in the planning and conduct of national censuses of population;

20 On-site training of local technicians by regional advisers;

30 Co-ordination of regional activities of the African Census Programme with UN Headquarters objectives and with individual country projects;

40 Methodological studies: data collection and tabulation procedures (1976), evaluation of special techniques for the enumeration of nomadic populations (1976), evaluation and analysis of collected data (1976-1977), evaluation of coverage and content errors of censuses (1980), review of census and survey methodology in Africa (1981);

50 Collection of information on the planning and conduct of population censuses in the various countries participating in the African Census Programme; dissemination of this information among technicians through personal contact and by distribution of the African Census Programme Newsletter.

60 Working groups: recommendations for the 1980 round of population and housing censuses in Africa (1977), coverage and content error evaluation of censuses (1980), methodological problems of censuses and surveys in Africa (1981).

9.549.00 African Household Survey Capability Programme

10 Advisory services.

20 Development of methodology for the continuing collection of integrated economic, social and demographic statistics from households.

30 Co-ordination of international and bilateral assistance to participating countries.

40 Working Group : household surveys (1979).

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ANNEX I

E/CN.14/CAS.10/1

Annex I

USE OF PROFESSIONAL TIME

Descriptions of Activities	Man-months		
	Actual		
	1975	1976	Jan-Jun 1977
9.541.00 General aspects of co-ordination and development			
Serving the ninth (1975) tenth (1977) and eleventh (1979) session of the Conference of African Statisticians.....	8	2	3
Review of statistical organization problems in the region..	2	1	1
Directory of African Statisticians.....	1	-	1
Bibliography of African Statistical Publications.....	-	-	-
Statistical Newsletter.....	1	1	$\frac{1}{2}$
Inventory of electronic data processing equipment related staff resources and applications for the region.....	2	1	1
Study on methods and practices of record keeping (1977)....	-	-	-
Co-ordination of data bank activities.....	-	$2\frac{1}{2}$	1
General administration.....	5	5	$2\frac{1}{2}$
Total.....	19	$12\frac{1}{2}$	10
9.542.00 Training			
Support to national and regional statistical training centres and provision of biennial reports on African statistical training.....	2	2	1
Working Group on Statistical Training Needs in Africa and follow-up action.....	1	3	$5\frac{1}{2}$
Total.....	3	5	$6\frac{1}{2}$
9.543.00 National accounts finance and prices			
Assistance to countries in applying the revised UN System of National Accounts (SNA) and in developing related basic series.....	2	3	1
Provision of regional advisory services in national accounts	6	6	1
Study on the application of the revised SNA in African countries.....	2	-	-
Preparation of a National Accounts Manual for use in the African region to supplement some aspects of the international recommendations in the light of regional conditions.....	6	7	2

Man-months

Descriptions of Activities	Actual		
	1975	1976	Jan-Jun 1977
Senior-level workshops or seminars of the SNA requiring special attention:			
Fixed capital formation and construction statistics (1977)	-	-	2
National accounting at constant prices (1978)	-	-	$\frac{1}{2}$
External transactions (1975) and (1978)	3	-	-
Development of a data base of African national accounts, external transactions, finance and prices, using secretariat estimates where necessary	11	27	$6\frac{1}{2}$
Statistical operations and studies in areas of special importance or weakness:			
Purchasing power parities of African currencies	7	-	1
Development of a co-ordinated system of African price statistics at producer, wholesale, local purchaser, export and world market levels	4	9	1
Exports on (a) African price movements in relation to those of other regions (1976)	-	-	1
(b) External Transactions (1977)	-	-	$\frac{1}{2}$
(c) Public finance statistics (annual)	1	1	1
(d) Financing of investments (1977)	-	-	1
(e) Patterns of private consumption expenditure (1976)	4	-	-
(f) Distribution financial and private consumption in selected countries (1979)	-	-	-
(g) Growth of capital budgets between 1960 and 1970	2	-	-
Examination of statistical relationships between economic aggregates for the improvement of national accounts estimates	-	-	-
Analysis of input-output tables for selected countries (1979)	-	-	-
Total	48	53	$18\frac{1}{2}$
9.544.00 External Trade			
Analytical report on external trade statistics methods and practices in the region (1977)	-	$4\frac{1}{2}$	$1\frac{1}{2}$
Foreign Trade Statistics for Africa: Series A, Direction of Trade	6	4	$\frac{1}{4}$
Series B, Trade by commodity and by country	6	4	$1\frac{1}{4}$
Series C, Summary Tables	-	$6\frac{1}{2}$	6
Total	12	19	9

Man-Months

Descriptions of Activities	Actual		
	1975	1976	Jan-Jun 1977
9.545.00 Industrial Statistics			
Seminar on Industrial Statistics (1978)	-	-	1½
Development of a data base for general annual industrial statistics and annual and monthly commodity production in the fields of mining; manufacturing; construction and the production of electricity gas & water.....	6	11	14
Statistical studies on productivity structure and development of manufacturing in Africa, capital-output ratios, local processing of raw materials for export, relations-ship between production and trade in African manufactured products.....	5	-	1½
Total.....	11	11	6
9.546.00 Other Economic Statistics			
Agriculture: Establishment of a data base incorporating selected FAO and other material	2	4	1
Statistical study on production and trade in agricultural commodity (1977)	-	2	1
Transport and Communication: Development of a data base Working Group on Transport Statistics (1976).....	3	1	½
Tourism: Development for data base; methodological study (1977).....	2	3	-
Distribution: Initial seminar on development prospects (1977).....	1	½	2
African Statistical Yearbook.....	12	4	1
African Economic Indicators	2	2	-
Statistical and Economic Bulletin for Africa.....	4	2	1
Total.....	26	18½	7½
9.547.00 Demographic and Social Statistics			
Support to the African Census Programme and Development of the follow-up African Household Surveys Programme..	2	3	1
Other advisory services in demographic and social statistics	-	1	1

Man-months

Descriptions of Activities	Actual		
	1975	1976	Jan-Jun 1977
Methodological studies: Enumeration of nomadic populations	4	-	-
Migration statistics (1976).....	7	-	-
Methods and problems of African population censuses & surveys (1976)	5	3	-
Civil registration (1977)	-	4	1
Working Groups and training workshops civil registration (1978)	-	-	1
migration statistics(1979)	-	-	1
Development of an African demographic and social statistics data base.....	4	1 $\frac{1}{2}$	1
Selected evaluation of selected social indicators (1978).....	-	-	-
Total.....	22	12 $\frac{1}{2}$	6
9.548.00 <u>African Census Programme</u>			
Advisory services in the planning and conduct of national censuses of population	24	29	15
Methodological studies: Data collection and tabulation procedures (1976)	-	2	-
Evaluation of special techniques for the enumeration of nomadic population (1976).....	2	$\frac{1}{2}$	-
Evaluation and analysis of collected data (1976-77).....	-	$\frac{1}{2}$	2
African Census Programme Newsletter.....	3	3	1
Working Group on the recommendations for the 1980 round of population and housing censuses in Africa (1977).....	5	-	1
Total.....	34	35	19
9.549.00 <u>African Household Survey Capability Programme</u> -			
Total.....	2	3	2
9.550.00 <u>Other Activities</u>			
Processing and analysis of data for other divisions	10	6	-
Country visits for data collection.....	1	-	-
Review of general service staff salaries.....	-	2	-
Total.....	11	8	-
GRAND Total.....	188	177 $\frac{1}{2}$	84 $\frac{3}{4}$