



**TOGETHER**  
*for a sustainable future*

## OCCASION

This publication has been made available to the public on the occasion of the 50<sup>th</sup> anniversary of the United Nations Industrial Development Organisation.



**TOGETHER**  
*for a sustainable future*

## DISCLAIMER

This document has been produced without formal United Nations editing. The designations employed and the presentation of the material in this document do not imply the expression of any opinion whatsoever on the part of the Secretariat of the United Nations Industrial Development Organization (UNIDO) concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries, or its economic system or degree of development. Designations such as “developed”, “industrialized” and “developing” are intended for statistical convenience and do not necessarily express a judgment about the stage reached by a particular country or area in the development process. Mention of firm names or commercial products does not constitute an endorsement by UNIDO.

## FAIR USE POLICY

Any part of this publication may be quoted and referenced for educational and research purposes without additional permission from UNIDO. However, those who make use of quoting and referencing this publication are requested to follow the Fair Use Policy of giving due credit to UNIDO.

## CONTACT

Please contact [publications@unido.org](mailto:publications@unido.org) for further information concerning UNIDO publications.

For more information about UNIDO, please visit us at [www.unido.org](http://www.unido.org)



D04237



United Nations Industrial Development Organization

Distr.  
GENERAL  
ID/B/83  
27 April 1971

ENGLISH  
ORIGINAL: ENGLISH/FRENCH

## Industrial Development Board

Fifth session

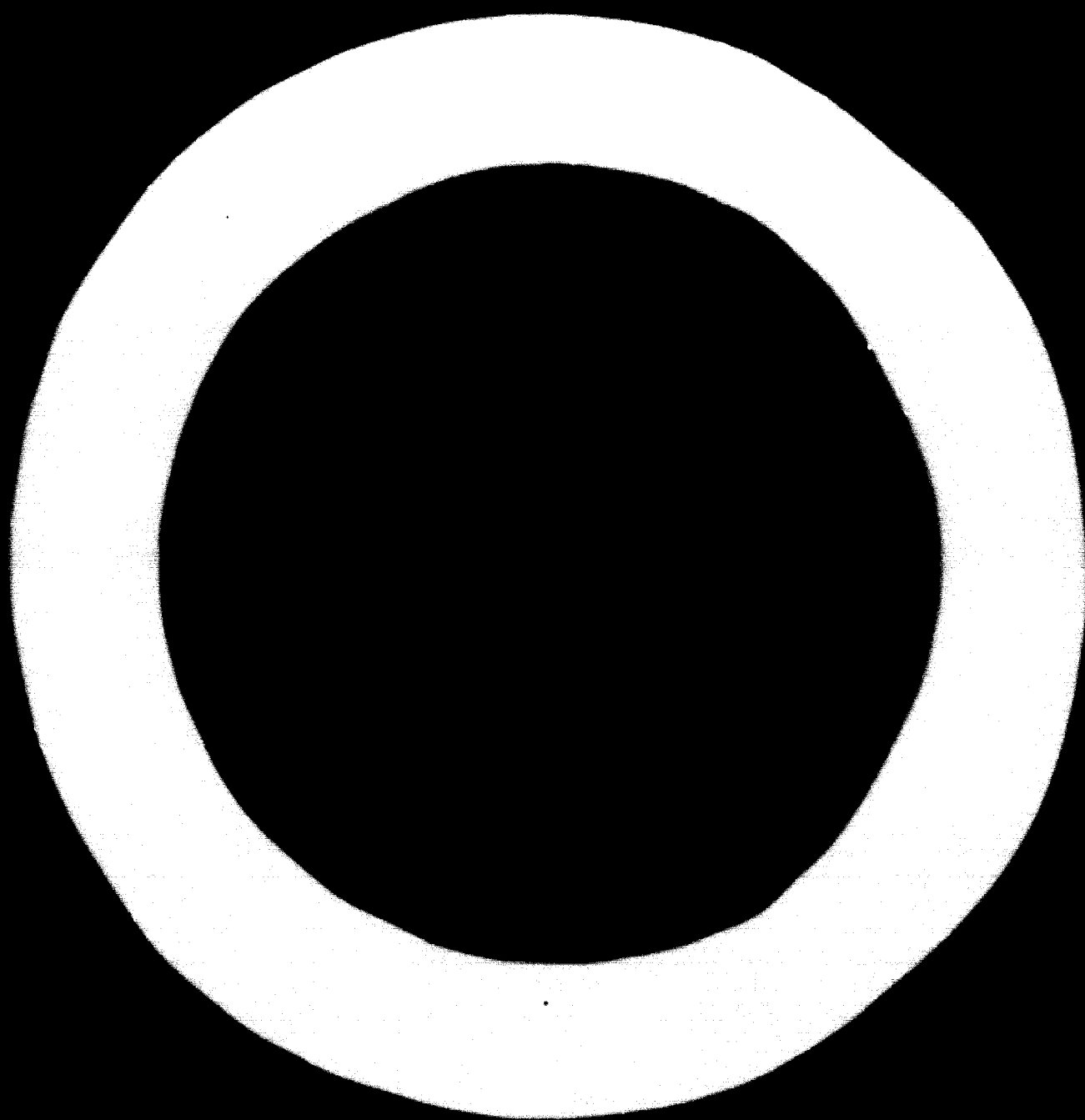
Vienna, 24 - 28 May 1971

Agenda item 6

ROLE OF UNIDO IN CO-ORDINATION OF ACTIVITIES  
IN INDUSTRIAL DEVELOPMENT:  
CO-ORDINATION AT THE COUNTRY LEVEL

id.71-2470

1111111111



Contents

	<u>Paragraph</u>	<u>Page</u>
Introduction	<u>1 - 6</u>	3
Co-ordination and co-operation at the inter-secretariat level	<u>7 - 21</u>	5
Co-ordination and co-operation at the country level	<u>22 - 99</u>	9
Africa	22 - 44	9
The Americas	45 - 59	34
Asia and the Far East	60 - 81	48
Europe and the Middle East	82 - 99	69
Concluding observations	<u>100 - 108</u>	89

Annexes

I	Note on co-operation between ECAFE and UNIDO	<u>1 - 12</u>	92
II	Joint communiqué on the visit to Vienna by the delegation from the Organisation of the Senegal Riparian States, 10-15 December 1970 and Long-term programme of technical co-operation in industrial field with the Organisation of the Senegal Riparian States	<u>1 - 15</u>	99
III	Minutes of meeting between the executive heads of UNIDO and UNCTAD held in Geneva on 17 November 1970	<u>1 - 4</u>	101

## INTRODUCTION

1. In resolution 27 (IV), the Industrial Development Board requested the Executive Director of UNIDO to report to its fifth session on the progress made by UNIDO in developing co-ordination and co-operation of industrial development activities both within and without the United Nations system, particularly at the country level. The present report, submitted to the Board for its consideration in response to the resolution, is that report, all the material available to UNIDO on the formulation and co-ordination of industrial programmes and projects has been arranged by countries and regions, so as to provide a comprehensive account of the activities taking place in the various countries and regions. Thus, in the following sections, information is provided on the activities undertaken during 1970 by UNIDO in co-operation with other organizations at the field level. An effort has been made, wherever possible, to discern trends and to highlight the various aspects of the joint programmes.
2. UNIDO has completed the first phase of its co-ordination task, namely, to eliminate gradually the duplication of headquarters and field activities in industry within the United Nations system of organizations through inter-secretariat meetings, joint programme discussions and continuous consultations. UNIDO has also initiated action to evolve joint programmes in industry in the various countries and regions in co-operation with other organizations contributing to the industrial development of the developing countries. The role of UNIDO in co-ordinating industrial development activities is being increasingly accepted not only by the organizations in the United Nations family but also by the organizations outside the United Nations system concerned with industrial development. The inter-secretariat links established by UNIDO with other organizations in the United Nations family have been strengthened and account is now taken of any programme changes in industry initiated by the other agencies.
3. Further evidence of the role of UNIDO in promoting industrial development in the developing countries is the increasing number of invitations to participate in meetings of technical and professional organizations. The number of invitations received by UNIDO increased from 179 in 1968 to over 400 in 1970. UNIDO staff have participated increasingly in these meetings, although such participation has been held to a minimum owing to the shortage of funds. Limited as this participation may be, it has opened yet another avenue for an exchange of ideas and has provided a feedback into UNIDO's programme of work, thus making it more realistic and responsive to the industrial requirements of the developing countries.
4. The second phase of UNIDO's role in co-ordination is aimed at ensuring optimum utilization of the scarce resources available both inside and outside the United Nations system to promote industry. Co-ordination in this sense needs to be extended between UNIDO and the organizations outside the United Nations system, including co-ordination of bilateral aid from the donor countries with the multilateral activities of UNIDO. In this respect, the second phase of UNIDO's work was endorsed by the Industrial Development Board last year. UNIDO has initiated a number of discussions with the bilateral aid organizations concerned, but considerable effort is still called for to achieve concrete results. UNIDO has further initiated industrial promotion

meetings that provide a basis for the mobilization of financial assistance to the developing countries. It has also organized industrial promotion services in connexion with international industry and trade fairs in different regions. It has further facilitated co-operation between the various regional development banks and between a number of industrial research institutions in the developed and developing countries. Upon the initiative of UNIDO, the World Association of Industrial and Technological Research Organizations (WAITRO) was established. Similarly, consideration is being given by UNIDO and the interested development banks to the formation of a flexible association of development banks that provide investment funds to industry in the developing countries.

5. During the year under review, UNIDO has also worked closely with a number of intergovernmental and non-governmental organizations concerned with the promotion of industrial development. Since some aspects of industrial development can best be undertaken by such institutions, UNIDO has made efforts to develop programme co-operation with these organizations in order to entrust increasingly to them some of the tasks which UNIDO would otherwise have had to undertake itself. Furthermore, consideration is being given to a realignment of the functions of UNIDO and of the functions of the relevant regional economic commissions in the field of industry, in line with the specialized knowledge and expertise of the organizations involved, to permit ultimately fuller and more effective utilization of the scarce resources available to the United Nations for the task of industrial development.

6. The activities undertaken by UNIDO as a part of its second phase of co-ordination need to be strengthened and further possibilities of co-operation need to be explored. It is expected that the second phase will take somewhat longer than the first phase of UNIDO's role in co-ordination, i.e. the establishment of an inter-secretariat machinery for consultations and discussions between UNIDO and the United Nations agencies concerned with industrial development.

## CO-ORDINATION AND CO-OPERATION AT THE INTER-SECRETARIAT LEVEL

7. The details of UNIDO's activities with regard to co-ordination and co-operation at the inter-secretariat level during 1969 were published in the document entitled "Role of UNIDO in Co-ordination of Activities in Industrial Development" (ID/B/65), which was submitted to the Industrial Development Board at its fourth session. Since that session of the Board, the Working Group of Representatives of UNIDO and UNCTAD on Co-ordination has been established. Four meetings of this Group took place in 1970. The first UNESCO/UNIDO Inter-Secretariat Meeting was held in Vienna on 25 June 1970 and the second in Paris from 26 to 27 November 1970. During 1970, the ILO/UNIDO Working Party held a total of three meetings. Similarly, the FAO/UNIDO Inter-Secretariat Committee held three meetings in 1970.

8. UNIDO has established a regular cycle of annual work programme discussions with the regional economic commissions and UNESOB. The second round of such annual discussions took place in Vienna in November and December 1970. At the invitation of UNIDO, the representatives of the regional economic commissions and UNESOB spent one week in Vienna to discuss and harmonize their programmes of work in the field of industry with those of UNIDO.<sup>1/</sup> UNIDO also participated during 1970 in the annual meetings of the regional economic commissions and UNESOB. Furthermore, the Executive Director of UNIDO attended two meetings of the Executive Secretaries of the regional economic commissions and UNESOB.

9. The Executive Director of UNIDO and the Executive Secretary of ECAFE signed a note on 2 July 1970 on further arrangements for co-operation in which both organizations agreed to co-operate in the organization of group missions to ECAFE member countries.<sup>2/</sup> The missions will be concerned primarily with the examination of industrial planning, pre-investment needs and with the review and assessment of the industrial development of these countries during the Second United Nations Development Decade. It was further agreed that ECAFE and UNIDO would combine their advice, technical assistance and assessment in an integrated manner in order to meet the requirements of each of the developing countries of the ECAFE region.

10. During 1970, UNIDO concluded an agreement with the Organization of Senegal Riparian States (OERS) which was signed by the Executive Secretary of the OERS and by the Executive Director of UNIDO.<sup>3/</sup> Under this agreement, it is envisaged that UNIDO would provide technical assistance for the development of a number of industries as well as for the related fields of finance, investment promotion, legislation, development of small industry, standardization and quality control. Requests for assistance from the OERS will be evaluated in accordance with current UNIDO and UNDP programme procedures.

11. The General Assembly, in its resolution 2639 (XXV), requested the Executive Director of UNIDO to "enter into appropriate arrangements with the Secretary General of UNCTAD in order to

---

<sup>1/</sup> The arrangements for co-operation are referred to in the following sections of this report dealing with co-operation activities in the various regions.

<sup>2/</sup> See annex I.

<sup>3/</sup> See annex II.

enable the developing countries to derive increasing benefits from the system of generalized non-reciprocal non-discriminatory preferences". Accordingly, a meeting was held on 17 November 1970 in Geneva between the executive heads of UNIDO and UNCTAD.<sup>4/</sup> In this meeting, a review was made of the steps taken by the two organizations in anticipation of the action by the Trade and Development Board and of the planned follow-up activities by the two organizations concerning the agreement on general preferences. The heads of the two organizations reaffirmed the need for joint action and stressed the urgency of the needs for assistance by the developing countries in following up the agreement on generalised system of preferences. The Working Group of Representatives of UNIDO and UNCTAD was instructed to proceed immediately with the working out of a plan of action, in consultation with the substantive units concerned. The plan would provide, inter alia, for the broadest possible dissemination among developing countries of information on the generalised system of preferences; this dissemination would take the form of a project that would include seminars and advisory services. At the same time, technical assistance projects would be established with a view to maximizing the benefits of the generalised system in individual developing countries at various stages of development. Through this assistance, experience will be gained which should be highly useful to all countries that stand to benefit from the generalised system of preferences.

12. Following the initial meeting in Washington, D.C., in 1969 between the Executive Director of UNIDO and the President of the International Bank for Reconstruction and Development (IBRD), discussions have continued during 1970 between the two organizations on co-operation with regard to a number of IBRD country missions pertaining to industry. At the request of the IBRD, UNIDO staff participated in three industry missions organized by IBRD. Several of the Industrial Development Field Advisers of UNIDO provided assistance to IBRD missions in the different developing countries. The Director of the UNIDO Liaison Office in New York is continuously in touch with the officials of the IBRD in Washington, D.C.

13. During this official visit to Japan, the Executive Director of UNIDO visited the Secretary General of the Asian Productivity Organization (APO) in September 1970 and discussed the possibilities of further co-operation between the two organizations. The Secretary General of APO acknowledged the assistance received from UNIDO in connexion with the organization of the Asian Productivity Year, 1970, and offered his co-operation in the organization of a number of training programmes in Japan.

14. The Executive Director of UNIDO received in Vienna in January 1971 the Secretary General of the Organisation for Economic Co-operation and Development (OECD) as well as the Secretary General of the Regional Co-operation for Development (RCD). During these discussions, the possibilities were reviewed of further co-operation between the organizations.

15. At the invitation of UNIDO, the ad hoc Working Group of the Advisory Committee on Science and Industrial Development met at UNIDO headquarters in Vienna in November 1970 and prepared a comprehensive report on the subject of transfer of technology for industrialization of the developing countries.

---

<sup>4/</sup> See annex III.



16. UNIDO has maintained close relations with the Department of Economic and Social Affairs and in particular the Statistical Office of the United Nations, and the United Nations Centre for Housing, Building and Planning, the United Nations Institute for Training and Research and with other offices of the United Nations in New York. The members of the UNIDO New York Liaison Office participate regularly in the functional committees and meetings organized by various United Nations bodies in New York. The Liaison Office is also in touch with the bilateral aid organizations of the Governments of the United States of America and Canada.

17. UNIDO is working closely with the Secretariat of the Administrative Committee on Co-ordination (ACC). The Executive Director of UNIDO participates regularly in the meetings of the ACC. UNIDO representatives have attended meetings of the ACC sub-committees on the Second United Nations Development Decade, on science and technology, computer users etc. UNIDO has supplied information to the ACC Secretariat, upon request, on matters that require action by the United Nations system as a whole. It has also kept the ACC Secretariat informed on arrangements of co-operation between UNIDO and the specialized agencies and the regional economic commissions and UNESOB.

18. UNIDO participated in the UNDP Governing Council meetings, the Inter-Agency Consultative Board, the Programme Working Group meetings and the Working Group on administrative and financial matters. UNDP has made provision for financing 20 Industrial Development Field Advisers in 1970 and the number of these Advisers is expected to be increased considerably in the coming years in accordance with the recommendation contained in the General Assembly resolution 2639 (XXV). UNDP Resident Representatives are regularly visiting UNIDO headquarters for consultations, and 31 of them were briefed at the beginning or upon completion of their field assignments. The annual UNDP/UNIDO review of operational activities has provided a useful basis for headquarters co-operation. This review is supplemented during the year by further consultations at the secretariat level on matters of policy and programming of future activities.

19. UNIDO continued its contacts and consultations during 1970 with the following inter-governmental organizations that have consultative status with UNIDO:<sup>5/</sup>

- African and Malagasy Industrial Property Office (OAMPI), Yaoundé
- Asian Productivity Organization (APO), Tokyo
- Common Afro-Malagasy-Mauritius Organization (OCAM), Yaoundé
- European Economic Community (EEC), Brussels
- European Investment Bank (EIB), Luxembourg
- International Agriculture and Food Industries Committee (IAFIC), Paris
- League of Arab States (LAS), Cairo
- Organization of African Unity (OAU), Addis Ababa
- Organization of American States (OAS), Washington
- Permanent Secretariat of the General Treaty on Central American Economic Integration (SIECA), Guatemala City
- Standing Consultative Committee of the Maghreb (SCCM), Tunis
- World Intellectual Property Organization (WIPO), Geneva

<sup>5/</sup> References to programme co-operation between UNIDO and intergovernmental organizations are contained in the appropriate sections of this report.

20. Furthermore, UNIDO continued to maintain close contact during 1970 with the following international non-governmental organizations that have consultative status with UNIDO:

Afro-Asian Organization for Economic Co-operation (AFRASEC), Cairo  
European Association of Management Training Centres (EAMTC), Brussels  
European Centre for Overseas Industrial Development (CEDINOM), Paris  
International Association of Crafts and Small and Medium-Sized Enterprises (ICAME), Paris  
International Association for the Exchange of Students for Technical Experience (IAESTE), Vienna  
International Association for the Protection of Industrial Property (IAPIP), Zurich  
International Association for the Promotion and Protection of Private and Foreign Investments (APPI), Geneva  
International Chamber of Commerce (ICC), Paris  
International Council for Scientific Management (CIOS), Geneva  
International Christian Union of Business Executives (UNIAPAC), Brussels  
International Confederation of Free Trade Unions (ICFTU), Brussels  
International Federation of Automatic Control (IFAC), Dusseldorf  
International Federation for Documentation (FID), The Hague  
International Institute for Industrial Planning (IIP), Vienna  
International Organization of Employers (IOE), Geneva  
International Organization for Standardization (ISO), Geneva  
International Union of Architects (IUA), Paris  
Union of Industries of the European Community (UNICE), Brussels  
Union of International Engineering Organizations (UIEO), Paris  
World Confederation of Labour (WCL), Brussels  
World Federation of Trade Unions (WFTU), Prague  
World Federation of Engineering Organizations (WFEO), London

21. The World Federation of Engineering Organizations (WFEO) prepared a report for UNIDO concerning the role of engineering societies in industrial development. The International Organization for Standardization (ISO) has participated in a number of meetings organized by UNIDO and has agreed to brief all UNIDO's relevant experts prior to their technical assistance assignments and to assist UNIDO in the recruitment of suitable field experts in standardization. The International Federation for Documentation (FID) has offered to assist UNIDO in finding suitable candidates, arranging training facilities for information and providing assistance in all relevant matters. The European Centre for Overseas Industrial Development (CEDINOM) participated in the Second African Meeting for the Promotion of Specific Industrial Projects held in Nairobi on 13 November 1970. The Afro-Asian Organization for Economic Co-operation (AFRASEC) assisted UNIDO in the organization of a Training Workshop for Managerial Staff of Chambers of Industry in Africa which was held from 7 to 12 December 1970 in Addis Ababa. During 1970, the Executive Director of UNIDO participated in the meetings organized by the International Chamber of Commerce (ICC) on the promotion of investment. These are only a few examples indicating the nature of co-operation between UNIDO and the international non-governmental organizations.

## CO-ORDINATION AND CO-OPERATION AT THE COUNTRY LEVEL.

### AFRICA

#### Operational programmes of UNIDO in Africa

22. Continued economic growth in many African countries has been reflected in the nature and scope of technical assistance activities provided by UNIDO during the past several years. UNIDO, in co-operation with other agencies and organizations of the United Nations system, is increasingly contributing to what might be referred to as the second phase of development in the African countries.

23. During 1970, UNIDO provided technical assistance to 41 African countries and regional organizations such as OCAM, OERS and IDCAS, to the value of approximately \$4.1 million as against \$3.0 million in 1969. The number of UNDP/SF projects executed by UNIDO in the region increased from eleven in 1968 to 22 in 1970, with a UNDP earmarking of \$10.5 million. Two more Special Fund projects with \$735,100 UNDP earmarkings are expected to be included in the 1971 UNDP proposals to its Governing Council. Significant changes are evident in the type of UNDP/SF projects requested by the Governments. Where previously the tendency has been to concentrate on studies and programming centres, interest is now centered on projects at the plant level such as quality control institutes, pilot and demonstration plants and industrial estates. Considerable emphasis is being placed on the development of agro-industries and industries based on forest resources as well as the development of small industries. Interest has also been expressed in low-cost housing and in the establishment of repair and maintenance services to serve the industries in the countries concerned. The UNDP/TI programme is utilized for long-term industrial planning and formulation of industrial policies.

24. A substantial increase took place in the SIS programme which in 1970 amounted to \$982,300 as compared to \$432,000 in 1968. The growth in the requests for assistance under this programme is expected to continue in coming years, probably with greater emphasis on the plant level type of assistance. A number of UNIDO field personnel work under the SIS programme as operational assistance experts in factories or in such jobs as factory managers, maintenance and repair experts, purchasing officers or accountants.

25. In addition, fifteen projects, to the amount of \$610,000, were approved by UNIDO in 1970 for African countries, to be financed by UNIDO voluntary contributions, which are generally used in the establishment of complete production units such as mechanical workshops, foundries, repair and maintenance facilities and industrial information centres.

26. African countries are becoming increasingly aware of the benefits of regional co-operation in the development of their industries. Following similar trends in other parts of the world, a number of African countries have set up, or are in the process of establishing, regional groupings with related common market arrangements. UNIDO is also providing support to such groupings through its technical assistance programmes. It is thus assisting the Centre of Industrial Studies for Magreb - a UNDP/SF project executed by UNIDO, the Common Afro-Malagasy-Mauritius Organization (OCAM), the East African Community and the Organization for Senegal

Riparian States (OEKS). In implementing its programmes of technical co-operation, UNIDO is working closely with organizations such as the United Nations Centre for Housing, Building and Planning, UNCTAD, ECA, ILO, FAO, WHO and the African Development Bank.

#### **Co-operation with agencies in implementing projects**

27. UNIDO and FAO have co-operated in 1970 in assisting a number of countries in the establishment of food industries. For example, a three-man team consisting of a food processing expert, a marketing expert and an agronomist are studying the possibilities of the establishment of an integrated food processing industry in Madagascar. In Morocco, a feasibility study for a fish protein concentrate plant is being undertaken by UNIDO in co-operation with FAO and the United States Agency for International Development (USAID). The marketing study is being undertaken by USAID, and FAO will be concerned with the raw material survey as well as a survey on nutrition and products development. Another project is under way in Nigeria for the production of soya protein food and edible food by the reconstruction of a soyabean processing plant.

28. In order to develop an integrated approach that would take into account the various aspects of production problems of agricultural machinery, co-operation has been maintained at all stages of project execution between UNIDO and the other United Nations agencies concerned, in particular with FAO. Technical consultation meetings were thus initiated with FAO for the development of a co-operative action programme. Agricultural machinery survey missions, in which both UNIDO and FAO experts will be participating, are accordingly planned for 1971 and 1972 in Algeria, Burundi and Zambia.

29. UNIDO is also providing assistance to a number of FAO projects in Africa. For example, three consultants on industrial processing of wood are being provided to the Forestry Training and Demonstration Centre in the People's Republic of the Congo. UNIDO has also been requested to provide experts to another FAO project in forest and forest industries development in Cameroon to assist in such fields as building, carpentry and furniture making and particle board industry.

30. In Ethiopia, a joint action has been organized between UNIDO and ILO; UNIDO is providing two experts, a mechanical engineer and a chemical engineer, and ILO is providing the services of an electrical engineer for the Ethiopian Cement Corporation which produces about 30,000 tons of Portland cement annually. This action is aimed at improving the maintenance in the factory and streamlining its organizational structure. In Kenya, a UNIDO expert in a recently approved UNDP/SF project, entitled Industrial Survey and Promotion Centre in Nairobi, maintains close contact with the ILO project personnel from the Management Training and Advisory Centre on the subject of improvement of the organization of industries. He also co-operated closely with FAO in a few projects concerning the processing of agricultural raw materials such as maize and oilseeds. In another instance, the joint action undertaken by UNIDO, ILO and FAO has been instrumental in developing the leather manufacturing industry in Ethiopia. While FAO is dealing with raw hides and skins improvement, ILO is concerned with the building of a small-scale tanning shop as a demonstration centre for rural tanning and education of small-scale entrepreneurs in this field. UNIDO is concentrating on the industrial aspect of tanning and will study the ancilliary activities such as utilization of tannery wastes and the improvement of leather manufacturing industries. With regard to the development of small-scale industries, UNIDO has

assisted ILO in implementing a UNDP/SF project in Cameroon, i.e. the Centre of Assistance to Small and Medium Size Enterprises, Douala. UNIDO will be providing one expert in industrial engineering.

31. The co-operation of UNIDO with WHO in Africa is largely in connexion with the provision of assistance to the pharmaceutical industry and with the problems of collecting refuse. UNIDO's co-operation with UNCTAD is in connexion with the undertaking of feasibility and market studies needed to attract domestic and foreign capital and the introduction of the generalized system of preferences into Africa. Details of co-operation with organizations in the United Nations system are contained in tables 1 and 2 below.<sup>6/</sup>

#### **Long-range programming missions**

32. The efforts of UNIDO in co-ordinating projects designed to promote industrial development of individual African countries will most likely be affected by its long-range programming missions. For the last three years, UNIDO has been engaged in long-range planning of technical assistance in 22 developing countries. Long-range programming missions have been completed, as at November 1970, in the East African Community and in ten African countries: Algeria, Guinea, Ivory Coast, the Libyan Arab Republic, Mali, Senegal, Togo, Tunisia, the United Republic of Tanzania and Upper Volta. Preparations are under way with regard to the following countries: Burundi, Cameroon, Central African Republic, Chad, Congo (Democratic Republic of), Dahomey, Ethiopia, Gabon, Kenya, Liberia, Equatorial Guinea, Mauritania, Mauritius, Morocco, Niger, Nigeria, the People's Republic of the Congo, Rwanda, Somalia, the Sudan, Uganda and Upper Volta.

33. While the long-range planning of assistance takes into account the development goals and targets of the countries concerned, it is oriented primarily towards identifying areas in industry where assistance could be most effectively provided by UNIDO and financed by UNDP. UNIDO is particularly interested in determining, in advance, those sectors of industry in which requests are most likely to be forthcoming, such as light or heavy industry, food processing, mechanical and electrical industries, as well as other important fields of activity such as quality control, standardization, project evaluation, development of export-oriented industries, financing and investment promotion, industrial installations and repair and maintenance programmes.

#### **Follow-up of long-range programming missions**

34. In Kenya, which is the most industrially advanced of the three States comprising the East African Community, it was proposed in the long-range programming report to set up a product design centre. The Government of Kenya has already officially requested UNIDO to send one of its staff members and a design engineer, attached to a similar UNIDO project in the United Arab Republic, to Kenya to discuss and prepare in co-operation with the Industrial Development Field Adviser, the draft request of the Government of Kenya for setting up such a design centre as a UNDP/SF project.

<sup>6/</sup> The data contained in these and the other tables refer only to projects involving inter-agency co-operation. They do not contain information on all UNIDO projects at the country level as such information is contained in document ID/B/80/Add.4.

35. The long-term programming mission in the United Republic of Tanzania recommended the strengthening of the National Development Corporation (NDC). To accomplish this, the UNIDO executed UNDP/SF project entitled Industrial Studies and Development Centre in Dar-es-Salaam, the second stage of which will be completed shortly, will be revised so that the main emphasis will be on project preparation for NDC and the improvement of the organization of companies which are owned by NDC or in which NDC has a sizeable interest.

36. Improved production methods, reduction of production costs and better quality export goods from the East African region necessitate the creation of a standardization office for the East African Community. This institution, which would have great influence on the above-mentioned fields and consequently upon the whole industrialization of East Africa, is to be established as an UNDP/SF project. To this end an official request has been sent to UNDP and UNIDO.

37. The Government of Uganda, in response to the long-term programming report, sent a special delegation composed of two executives of the Uganda Development Corporation (UDC) to discuss with UNIDO the proposed improvement of the organization of associated and subsidiary companies of UDC. The official request for this project has already been submitted to UNDP.

38. In Ethiopia, consideration is being given to establishing a project preparation and appraisal unit as a part of the Ethiopian Development Corporation which will be a major tool in launching new projects in that country.

39. In Somalia, where the major problem is the lack of financing for project development, a UNIDO mission is studying the legislation and organizational problems related to the establishment of a Somali Development Corporation. This Corporation, when established, will assist in the improvement of the operations of existing public sector industries. In Madagascar, a mission of two UNIDO experts is studying the potential of the development of small-scale industry, including the establishment of an industrial estate.

#### **Programme co-operation between UNIDO and ECA**

40. Since the signing of the Agreement in November 1968, co-operation between ECA and UNIDO has been intensified, and efforts of the two organizations have been directed to the attainment of a major goal, i.e. a unified United Nations programme of action in industry in Africa. Towards this end, a number of actions have been initiated by both organizations during the last two years:

- (a) Establishment of general procedures and instrumentalities to harmonize the work programmes of the two organizations;
- (b) Exchange of information between the two organizations on the operational programmes of UNIDO in Africa;
- (c) Continuous discussion of specific projects requiring immediate attention;
- (d) Periodic annual discussion of policies and approaches between the heads of the two organizations.

41. To date, UNIDO and ECA have had two annual work programme discussions in which they were able to agree on a number of projects to be implemented jointly during 1971 and 1972. During the last programme discussions in November 1970, UNIDO emphasized that the programme of work of ECA in industry should be increasingly harmonized with the operational programmes of UNIDO in the African

region. It was also considered desirable that the services of ECA staff should be increasingly utilized by UNIDO in undertaking technical assistance assignments within the framework of the work programmes of the two organisations. Co-operation between ECA and UNIDO in 1970 took the form of a UNIDO Training Workshop for Extension Workers in Small-Scale Industries, held in Dakar, Senegal; a Regional Workshop on the Development of Clay Building Materials Industries in Africa, held in Tunis; and a Workshop for Industrial Information Officers from Africa and the Middle East, held in Tehran, Iran.

42. A particularly important area of UNIDO and ECA co-operation is the organization of investment promotion meetings to facilitate and stimulate contacts between potential suppliers of funds, both private and public, and parties sponsoring specific industrial projects in the developing countries. The most recent such meeting was held in Nairobi from 30 November to 4 December 1970 in co-operation with ECA and the African Development Bank. This meeting was attended by approximately 300 participants, 80 of whom were from 25 countries in Africa which had projects to present to the prospective investors. Investment possibilities in Africa involving nearly \$700 million were discussed. This was the third of a series of meetings arranged by UNIDO to help developing countries in the African region to attract the resources and the know-how necessary to stimulate industrial growth. In view of the success of these meetings, ECA has already confirmed to UNIDO its full support in organizing the Third Regional Investment Promotion Meeting to be held in Africa in 1971.

#### **Regional industrial advisers**

43. There are at present five regional industrial advisers who are financed by UNIDO and allocated to ECA. These advisers are specialists in such areas as iron and steel, chemicals and food industries. Their work consists of providing technical advice to Governments, upon request, and of undertaking exploratory and advisory missions leading to the development of joint programmes between two or more countries in the region. They also undertake different assignments at the request of UNIDO with the concurrence of ECA, to which they are assigned. The work of these advisers thus provides an additional element in enhancing the service provided by UNIDO and ECA in operational matters relating to regional and country projects. By providing specialized advice, the advisers supplement the work of the UNIDO Industrial Development Field Advisers in developing an over-all programme of work by UNIDO and ECA.

#### **Industrial Development Field Advisers**

44. As of December 1970, there are four UNIDO Industrial Development Field Advisers located in the offices of the UNDP Resident Representative in Addis Ababa (Ethiopia), Dakar (Senegal), Cairo (United Arab Republic) and in Kinshasa (Democratic Republic of the Congo); another two will shortly be stationed in Lusaka (Zambia) and Lagos (Nigeria). These Advisers travel to various countries to promote and assist in the implementation of the technical assistance projects in industry in Africa. One of these Advisers, who is located in the office of the UNDP Resident Representative in Addis Ababa, acts in addition to his other functions as UNIDO's liaison officer with ECA, thus providing an additional channel of contact and liaison between UNIDO and ECA, on matters of mutual interest. It was noted during the 1970 programme discussions that the number of UNIDO Industrial Development Field Advisers in Africa would increase, thus providing a better

coverage of the countries in the region by the Advisers (this will also help the UNIDO Industrial Development Field Adviser in Addis Ababa to devote more time to liaison functions with ECA than hitherto possible). ECA will be informed of the work of the Advisers.



Table 1

Region: Africa (field projects)

Country	Project title and number	Duration, date of operation, location	Nature of co-operation executing agency/other agency
Algeria	Agricultural machinery mission (SIS 70/760)	Planned for 10 days in 1971	UNIDO/FAO - FAO to assist UNIDO expert.
Algeria, Tunisia and Morocco	Maghreb: Pharmaceutical advisory programme; attached to the centre for industrial and technological studies (ALG-18)	3 years; approved 7 January 1968; operational 4 February 1969	UNIDO/FAO/WHO - the recommendations made by the UNIDO pharmaceutical expert in 1960-1961 resulted in the organization of a group of pharmaceutical personnel from the Maghreb to examine the establishment of a pharmaceutical industry sector and to co-ordinate the manufacture, testing and sale of pharmaceuticals. WHO and FAO to assist in the training of personnel, establishment of quality control and provision of statistics for therapeutic requirements.
Burundi	Agricultural machinery manufacture feasibility study (SIS 70/759)	3 months; operational 1st quarter 1971	UNIDO/FAO - joint mission of total 6 months duration consisting of two experts, one from each agency, for a duration of three months.
	Establishment of a milling industry (SIS 68/412)	2 months in 1970	UNIDO/FAO - FAO briefed the expert of the consulting firm.
Cameroon	Centre for assistance to small enterprise (SF CMB-12)	2 years; approved January 1969; partially operational, Douala	ILO/UNIDO - the post of an industrial engineer (10 man-months) will be subcontracted to UNIDO. The purpose of the project is to establish a national centre for supplier advisory and training services to small and medium-scale enterprises; UNIDO will also assist ILO in the surveillance of these and provision of assistance in repair and maintenance to public and private enterprises. UNIDO's contribution consists of one industrial engineer.
	Seminar for industrial information officers (9.01.04)	10 days in 1972; Yaounde	Government to be responsible to provide facilities for the seminar; information officers from French-speaking African countries. Project to be financed by the assistance of EDA whose co-operation is to be defined at the project planning stage.

Table 1 (cont'd)  
Region: Africa (field projects)

Country	Project title and number	Duration, date of operation, location	Nature of co-operation (executing agency/ other agency)
Congo, Democratic Republic of	Central services for maintenance and repair of industrial equipment (CCK-34)	1 1/2 years; approved January 1970; project operations started through partial allocation	UNIDO/ILO - UNIDO, in association with ILO, will assist in a preliminary study leading to the establishment of a central service for maintenance and repair of industrial equipment on a national scale. With the assistance of ILO and within the framework of the National Institute of Professional Training (INPT), it is envisaged that training will be organized for middle level supervisory personnel in maintenance methods and in problems of safety in the use of machines; and for management staff, including personnel responsible for maintenance and repair services and for the supply and management of spare parts.
	Pilot project for the production and utilization of fertilizers (Planned)	2 years; operational 1971/1972	UNIDO/FAO - the purpose of the project is to determine areas of priority for fertilizers production; establish fertilizer mixing plant; and carry out economic and technical studies on distribution and application of fertilizers. Specific nature of FAO co-operation to be determined at a later date.
	Training workshop on extension services for small industry in Africa (11.01.02)	June 1971	ECA and UNIDC to plan and implement project jointly.
Dahomey	Shipbuilding, repair and maintenance for small fishing boats (SP - (Planned) DAH-12)	3 years; not yet approved; Cotonou	UNIDO/FAO - UNIDO to assist in the provision of boatyard facilities, slipways, engine repair and maintenance. FAO to continue the supervision of the fishing boat construction initiated under FFHC project.

Table 1 (cont'd)

## Region: Africa (field projects)

Country	Project title and number	Duration, date of operation, location	Nature of co-operation (executing agency/other agency)
Ethiopia	Regional training workshop for industrial administrators from Middle East and North African countries (7.01.01 (formerly 8.03.04))	1 week in 1971	UNIDO/ECA/UN Public Administration Division - ECA will be requested to provide host facilities for the workshop and to participate in the discussions. Consultations will be undertaken with the UN Public Administration Division to seek its co-operation in the planning and organization of the workshop and to obtain the services of one or two instructors.
Gambia	Joint UNIDO/FAO mission (SIS 69/601 G.M.-2)	Operational 1971	UNIDO/FAO - joint mission will review the recommendations of both agencies on the utilization of natural resources and define a common programme of action in the field of industrial development and agriculture. This is a follow-up of the recommendations of the UNIDO industrial survey mission to Gambia.
Ghana	Assistance to the Ghana Holding Co., Pharmaceutical Division (SIS GHA-28)	Planned for 1971	UNIDO/WHO - the Ghana Pharmaceutical Co. requested assistance in production, quality control and plant maintenance. WHO will assist in the quality control portions of the project.
Ghana, Nigeria and Togo	Industrial promotion services at industrial and trade fairs (IPS) (8.04.01)	1971: Second Ghana International Trade Fair, Accra	UNIDO and ECA co-operating in supplying industrial promotion services at the Ghana trade fair.
Ghana, Nigeria and Togo	Case studies in adaptation of technology for small industry in selected developing countries (11.03.02)	1970 and 1971	UNIDO/ECA - UNIDO assisted ECA in conducting studies on appropriate technology for small industry in three African countries (Ghana, Nigeria and Togo). The studies have been commissioned to a consultant firm. Reports of the mission to Nigeria and Togo have been received. The Ghana report is expected early in January 1971. ECA and UNIDO will follow-up action subsequent to the completion of the three country reports.

**Table 1 (cont'd)**  
**Region: Africa (field projects)**

Country	Project title and number	Duration, date of operation, location	Nature of co-operation (executing agency/other agency)
Guinea	Composting of town's garbage (SIS 69/507)	2 months; operational 15 April 1969; Conakry	UNIDO/WHO - the purpose of the project was to prepare a feasibility study for a composting plant to dispose of town's garbage. Comments made by WHO, particularly concerning problems of collecting refuse, were included in the terms of reference of the mission. WHO also briefed the team leader of the consulting firm on implementing the project.
Guinea, Mali, Mauritius, Senegal	Pharmaceuticals and basic chemicals mission (SIS-70/918 MAR-74)	Operational 19 September 1970	UNIDO/WHO/FAO - the OERS requires a cooperative pharmaceutical programme for assisting member States in establishing selected industry sectors, facilities, etc. in order to obtain pharmaceuticals of proper quality and at reasonable cost. WHC and FAO will provide assistance in quality control and therapeutic requirements.
	Exploratory mission with a view to creating an industrial information service (SIS 70/950)	12 days in 1970; operational 22 July 1970	UNIDO/FAO - the purpose of the project was to assist the Organization of Senegal Riparian States (OERS) in preparing a request for the establishment of an industrial information centre at the OERS headquarters in Dakar. UNIDO discussed the project with FAO officials to ascertain possible links with UNDP/SF project executed by FAO on documentation centre for the Senegal basin development programme (REG 181).
Ivory Coast	Development of small-scale industry and industrial estates (SIS 69/520)	2 months; operational 7 June 1970	UNIDO/ILO - subsequent to its comments on the request submitted and on the draft job description of the UNIDO expert, ILO will ask its expert in small-scale industry in the Ivory Coast to collaborate with the UNIDO expert. The UNIDO expert will concentrate his work on technical questions and the ILO expert on training.

Table 1 (cont'd)

## Region: Africa (field projects)

Country	Project title and number	Duration, date of operation, location	Nature of co-operation (executing agency/other agency)
Ivory Coast (cont'd)	Assistance to industrial development bureau (SP-IVC-13)	3 years; operational 5 June 1970	UNIDO/UNCTAD - purpose of the project is to assist in the establishment of an organization to undertake industrial feasibility and market studies urgently needed for the promotion and acceleration of industrial development and the attraction of domestic and foreign capital. UNCTAD to brief the expert in market studies.
Kenya	Special meeting to promote industrial projects (13-09.02)	30 November-4 December 1970; Nairobi	UNIDO/African Development Bank/ECA - ADB contribution: (a) 1/3 of the cost of the meeting excluding staff travel and contributions by the host country; (b) 3 participants. ECA contribution: (a) as above; (b) 2 participants; (c) staff travel to various African countries stimulating participation. UNIDO contribution: (a) as above; (b) participation of UNIDO staff; (c) travel to 8 African and 10 industrialized countries; (d) preparation and distribution of documentation; and (e) organization of, and conference services for, the meeting.
Kenya, Uganda and United Republic of Tanzania	Case studies on labour cost variations in industrial enterprises (East Africa) (part of 12.02.03 and part of 15a.03)	1970-1971	ILO/UNIDO - the purpose of the project is to gather data from the field and to undertake analytical study. UNIDO is participating in the designing of the field survey and an analytical digest of the results. UNIDO also finances the costs of research assistants for the ILO study mission in East Africa and renders financial and administrative assistance in the preparation of an analytical study report. ILO executes the project.
	Pharmaceutical programme (Planned)	1970-1972	UNIDO/WHO/FAC - the objective of the project is to establish pharmaceutical industry factories in the East African Community with common service facilities for manufacturing,

13/03  
13/03  
13/03

Table 1 (cont'd)

Regions: Africa (field projects)

Country	Project title and number	Duration, date of operation, location	Nature of co-operation (executing agency/other agency)
Kenya, Uganda and United Republic of Tanzania (cont'd)	Pharmaceutical programme (cont'd)	1971; 1 year	testing, import and export, training of assistants, etc. WHO and FAO to contribute assistance in the training of personnel for quality control and analysis and in the planning of meetings. Both agencies will also provide statistics on pharmaceutical needs, etc.
	Assistance to East African Community		UNIDO experts (industrial economist, industrial policy expert and statistical analyst) to maintain liaison with ECA.
Madagascar	Agro-industrial development programme (SIS 70/843)	6 months (3 experts); operational in 1971	UNIDO/FAO - services of a 3-man team consisting of a food processing expert (team leader), a marketing expert and an industrial agronomist (to be recruited by FAO) will be provided for 6 months to study the possibilities for, and to make recommendations on, the establishment of an integrated food processing industry.
	Agricultural machinery - manufacture feasibility study mission (SIS 70/1039)	8 months (2 experts); 1971; operational 1st quarter 1971	UNIDO/FAO - UNIDO to prepare analysis of the various aspects of agricultural machinery and implement sector. FAO to prepare analysis of the existing pattern and future trends in land development, irrigation facilities, crop pattern, etc.
Malawi	Demonstration project for housing of lowest income groups (SP, not yet approved by UNDP)	5 years	UNCHBP/UNIDO - the participation of UNIDO is requested. UNIDO seeks participation in expert posts and in some fellowships, as well as in setting up several pilot plants, together with machinery supply and supporting technicians.
Mauritius	Tuna fish project (SIS 67/225 MAR-7)	6 months; 1970	UNIDO/FAO - consulting firm was briefed by FAO.
	Agricultural machinery manufacture feasibility study mission (SIS 70/924 MAUES-13)	3 months; 1971	UNIDO/FAO - FAO will endeavour to make available the services of their existing field staff to co-operate with the UNIDO expert in his assignment.

Table 1 (cont'd)

## Region: Africa (field projects)

Country	Project title and number	Duration, date of operation, location	Nature of co-operation (executing agency/other agency)
Morocco	Feasibility study for a fish protein concentrate plant (SP-308-33)	1 year; approved January 1970. (April 1970, project started through partial allocation)	UNIDO/FAO/USAID - UNIDO, in association with FAO, to determine whether Morocco can economically produce fish protein concentrate. USAID is expected to prepare a marketing study on FPC. Two FAO experts may lead up surveys on raw material and on nutrition and products development.
	Expert group meeting on the production of fish protein concentrate (interregional meeting) (6.02.01)	8-12 December 1969; documentation to be published 1970-1972	UNIDO/FAO - UNIDO organized the meeting with the assistance of FAO. Papers for the meeting were furnished by FAO.
	Supply and demand of export producing finished and semi-finished manufactures (generalized scheme of preferences). (part of 14.01.01)	1970-1972; 1st mission to Morocco - planned February 1971	UNIDO, UNCTAD, UNCTAD/CATE/ITC - UNIDO to co-operate in an analysis of productive resources and possibilities with the introduction of the GSP; UNCTAD to co-operate on trade aspects; UNCTAD/CAIT/ITC to be concerned with market research and sales promotion aspects.
Nigeria	Feasibility study for the establishment of a pulp and paper mill (SIS 70/1130 FIG-22)	Not yet operational	UNIDO/FAO - request is pending with UNIF. The UNIDO expert in pulp and paper technology is to join a team of two experts appointed by FAO (a silviculturist and a forestry economist).
	A demonstration plant to process soybeans (SIS 70/1129)	Consulting firm to be used; not yet operational	UNIDO/FAO - request is pending with UNIF. FAO to comment on agricultural and processing aspects. The purpose of the project is to prepare a feasibility study for the reconstruction of an existing soybean processing plant and its conversion into an industrial scale soybean processing industry for the production of soybean protein food and waste 1969.
Rwanda	Exploratory mission to assess the status of the pharmaceutical industry (SIS)	1970-1971; operational 7 November 1970	UNIDO/WHO/FAO - the Government requested an assessment of the pharmaceutical industry in order to provide the necessary data for the preparation of pharmaceuticals at a reasonable cost. WHO and FAO will assist in the preparation of quality control standards for the industry.

Table 1 (cont'd)

Region: Africa (field projects)

Country	Project title and number	Duration, date of operation, location	Nature of co-operation (executing agency/other agency)
Rwanda (cont'd)	Hides, skins and leather demonstration and training centre (SF RWA-4)	5 years; operational 13 September 1968	FAO/UNIDO - UNIDO to supply expert services on industrial manufacturing of footwear (12 man-months); the post is under recruitment.
Senegal	Training workshop on extension methods in West African subregion (11.01.02)	25 May - 4 June 1970; Dakar	UNIDO/ECA - UNIDO organized the workshop for 20 participants from West African countries. ECA participated in the planning of the workshop and sent a staff member to the workshop.
	Training workshop in methods of industrial surveys (15a.03.01)	1971; Dakar	ECA to provide comments, and subject to availability of resources, to provide instructor.
	Training workshop in methods of industrial surveys (French-speaking countries) (15a.03.01)	1971; Dakar	UNIDO/IDEP - the training workshop is to be held in co-operation with IDEP. IDEP to provide lecturers and host facilities.
	National Society for Industrial Studies and Promotion (SONEPI) (SP - SEN-14)	3 years; operational December 1969	UNIDO/UNCTAD - the purpose of the project is to assist the Government in the establishment and initial operation of the National Society for Industrial Studies and Promotion (SONEPI) as an effective instrument of industrial promotion, with special emphasis on assistance to small and medium-scale entrepreneurs. UNCTAD to brief the marketing expert.
Sudan	Agricultural machinery and implements manufacture feasibility study mission (SUD/SIS 70-1128)	3 months in 1971	UNIDO/FAO - FAO will be providing an expert in the utilization of agricultural machinery for a period of 1 month to work with the UNIDC expert in agricultural machinery manufacture.
Togo	Fertilizer use, promotion, demonstration and production scheme (SP - TOG-12)	3 years; approved June 1969; Lomé; project started through partial allocation	UNIDO/FAO - the purpose of the project is to assist the Government in launching an intensive fertilizer use campaign, and in establishing a fertilizer demonstration plant. UNIDO to assist in the construction of a fertilizer production plant at Lomé. FAO to co-operate by the execution of agricultural extension and fertilizer promotion work in Togo.



Table 1 (cont'd)

Region: Africa (field projects)

Country	Project title and number	Duration, date of operation, location	Nature of co-operation (executing agency/other agency)
Tunisia	Workshop on clay building materials industries in Africa (3.04.01)	6-12 December 1970	UNIDO/ECA/UNCHEP - the meeting was planned jointly with UNCHEP and ECA. ECA presented a paper on clay building materials in Africa, and other background documents. UNCHEP presented papers on promotion of clay building materials production and resources for anticipated development of clay building materials in Africa.
United Arab Republic	Centre for the development of prototype tools (SF - TUN-27)	4 years; approved January 1969; (project operations started through a partial allocation)	UNIDO/ILO - UNIDO, in association with ILO, to assist in the development of prototype production tools and to train personnel in toolmaking. ILO will supply a tool and dye making training expert and consultant.
Upper Volta	Regional workshop on quality control (8.02.04)	1972; Cairo	Project discussion with appropriate authorities are under way.
Upper Volta	Programme of agro-industrial development - Phase I (SIS 69/505 UPV-4)	3 months; operational 8 July 1969	UNIDO/FAO - the purpose of the mission was to assist the Government in planning the agro-industrial development. FAO briefed the UNIDO expert who was assisted by an FAO expert in Upper Volta. The UNIDO expert returned to FAO for debriefing and his final report was submitted to FAO.
Zambia	Rationalization programme of agricultural machinery manufacturing (SIS 70/1119 Zambia (6))	6 months in 1971; not yet approved	UNIDO/FAO - FAO will make available the services of their field expert to assist the UNIDO expert on agricultural mechanization as appropriate.

Table 2  
Region: Africa (regional projects)

UNIDO project component number	ECA project number	Project title	Date and location	Nature of co-operation
<u>Industrial Technology</u>				
1.01.06 (Priority B)		UNIDO/ECA agricultural machinery and implements mission	1971; West Africa 1972; similar missions to other parts of Africa	UNIDO to consider organizing a survey team to selected African countries in 1971 and to examine possibilities for its financing, for example, from UNIDO General Trust Fund.
1.05		Transport equipment (establishment of transportation equipment manufacture in a group of countries)	1972 - cr to be decided	UNIDO to initiate action for a UNDP financed project; ECA to assist in generating interest in the project among African countries.
	32.00.a(iv)	Industrial project formulation and evaluation - in particular project formulation in the field of agricultural machinery and implements	1971-1976 and continuing	ECA to send project descriptions (Ghana and Ivory Coast) so as to initiate ECA-UNIDO action.
2.01.01		Expert group meeting on alumina and aluminium production	1972-1973; Vienna	Exchange of information.
2.01.02		Seminar on complex titanium iron ore production	1971; Moscow, Union of Soviet Socialist Republics	UNIDO will keep ECA informed of the details of the meeting once its financing is assured (countries participating from Africa, list of papers, plant visits in the Union of Soviet Socialist Republics etc.).
2.03.06		Preparatory expert group meeting of 6 top experts of the iron and steel industry to plan for the third inter-regional iron and steel symposium in 1973	1972; Vienna	ECA to provide comments on the preparation of the symposium and a paper for submission to the symposium.
2.05.01		Workshop on creation and transfer of metallurgical know-how	1971; India	UNIDO will keep ECA posted about details of the workshop, once its financing is assured. UNIDO will consult ECA about selection of participants from Africa.

Table 2 (cont'd)

## Region: Africa (regional projects)

UNIDO project component number	ECA project number	Project title	Date and location	Nature of co-operation
<u>Industrial Technology (cont'd)</u>				
3.01.01		Interregional seminar on manufacture of cement	1972; Vienna	Project under discussion; UNIDO to indicate to ECA the nature of co-operation.
3.03.02 (Priority B)		Seminar on the production of multi-material houses incorporating plastics	1972	Project under discussion; UNIDO to specify to ECA the nature of co-operation.
3.04.01		Workshop on clay building materials in Africa	1971	ECA will be invited to participate in the workshop.
3.05.01		Seminar on prefabrication in Africa and the Middle East	1971	UNIDO/ECA/UNESCO/UNCHEP - ECA, UNESCO and UNCHBP are expected to plan the seminar jointly with UNIDO and to submit papers and background documents. ECA to provide a paper on the production of building materials and housing situation in African countries. Subject to availability of funds, ECA to send representatives to attend the seminar. UNESCO to review the situation (as for ECA) in Middle East countries. UNCHBP to provide schemes of industrialization of building in developing countries of these regions and of prefabrication techniques.
3.01.01		Meeting of the heads of building materials research and development organizations (Melbourne)	1972	UNIDO to examine possibilities for holding a similar meeting for the African region in 1972-1973.
	30.00.a(iv)	Market analysis and sectoral development studies for national and multinational purposes - in the field of cement, building materials and pulp and paper	1971-1976	UNIDO and ECA will co-operate whenever requested by Government for assistance.
4.01.03		Regional survey of basic chemicals	Postponed from 1971 to 1972	ECA will assist UNIDO in conducting Africa countries for the survey. UNIDO will participate in the UNIDO -

Table 2 (cont'd)  
Region: Africa (regional projects)

UNIDO project component number	ECA project number	Project title	Date and location	Nature of co-operation
<u>Industrial Technology (cont'd)</u>				
4.03.02		Team mission on pharmaceuticals	1972; Africa	UNIDO to explore possibility of organizing a survey team to selected African countries; ECA to participate in the mission.
4.04.02		Promotion of extraction of essential oils from indigenous plants	1972; mission to selected African countries	ECA to provide comments and, if available, relevant documents.
4.05.01		Expert group meeting on pulp and paper	1971; Vienna	Subject to the availability of funds, an ECA participant will attend the expert group meeting.
5.01.01	32.00.a(1)	Prospects for fertilizer development	1971 and continuing	UNIDO to support ECA's activities in project formulation in accordance with requests for technical assistance from countries.
5.01.02		Meeting for the development of fertilizer and pesticide industries	1972	UNIDO to explore, at ECA's request, possibility for holding a meeting at ECA headquarters in 1972; final decision to be transmitted to ECA by last quarter of 1971.
5.03.01		Mission to investigate the availability of excess chlorine and its potential use for pesticides production	1971 or 1972	ECA to co-operate in identifying countries interested in the utilization of existing excess chlorine capacity and to participate in the implementation stage of the project.
5.04.05		Symposium on the use of plastics in agriculture (in Latin America)	1973	ECA to ascertain the interest of countries for holding a similar symposium in the African region.

Region: Africa (regional projects)

UNIDO project component number	ECA project number	Project title	Date and location	Mature of co-operation
<u>Industrial Technology (cont'd)</u>				
6.02.05		Expert group meeting on technical and economic criteria in the oilseed processing industry	1972; location not yet decided	UNIDO consultant to work closely with ECA on the preparation of a paper based on the outline prepared by UNIDO; subject to availability of funds, ECA will participate in the meeting; ECA and UNIDO to keep in close touch as regards formulation stage of the project.
6.02.10		Expert group meeting on the prospects for industrial meat processing in developing countries	1972 or 1973; Africa	UNIDO to examine the possibility of holding the meeting at ECA headquarters; it will keep ECA informed on developments.
6.04.01		Seminar on the development of the leather and leather products industries in Africa	1971; Vienna	Documents and report of the meeting to be made available to ECA.
<u>Industrial Services and Institutions</u>				
8.01.03	.	Appraisal of industrial research organizations in the developing countries (World Association of Industrial Research Organizations (WAITRO))	Continuing	UNIDO to keep ECA informed on developments.
8.02.01		Subregional workshop for French-speaking countries of Africa	1 week in 1972	UNIDO/ECA/ISO - joint preparation and execution planned. ECA will be requested to co-operate in planning, programming and implementation of the project, in providing facilities and participating in the discussions. Consultations will take place between UNIDO and ISO during the planning and organization stages of the workshop. ISO will present a paper on its experience on standardization in French-speaking African countries and will participate in discussions.

Table 2 (cont'd)  
Region: Africa (regional projects)

UNIDO project component number	ECA project number	Project title	Date and location	Mature of co-operation
<u>Industrial Services and Institutions (cont'd)</u>				
8.03.02		Regional training workshop on industrial co-operatives	1971 - expert group meetings 1972 (June/July) training workshop for Africa	UNIDO/ECA/ICA - workshop to be organized by UNIDO in close collaboration with ECA and ICA. ECA will be requested to provide comments and a paper for the meeting. ECA and UNIDO to develop project jointly. ICA will be requested to provide an instructor to lead one of the discussions.
8.03.03 (Priority B)		Regional workshop for managerial staff of chambers of industry (French-speaking African countries)	1 week in 1971	UNIDO/ECA/IDCAS - joint preparation and execution. ECA to provide host facilities in Addis Ababa, if possible.
9.01		Establishment of new industrial information centres	1972	ECA and UNIDO to continue discussion with a view to convening a regional seminar in Africa on the subject.
10a.01.04		Implementation of General Assembly resolution 2528 (XXIV) on the role of the United Nations in training national technical personnel for accelerated industrialization of the developing countries	1971	UNIDO to hold further consultations with ECA on this project.
10a.04		Achievement motivation training programmes	1971-1972	UNIDO to keep ECA informed on progress made in this project. Zambia expressed interest in such a project. The project would be carried out in co-operation with the Sterling Institute, United States of America. ECA will study proposals and provide comments.
10a.11 + 10a.10 + 10a.10.04 (10a.16.01)	34.00.a(iii)	Training programme in promoting in-plant training both in an outside Africa	1971-1976	ECA and UNIDO to consult on selection of participants, programming and preparation of in-plant training programmes.

Table 2 (cont'd)

## Region: Africa (regional projects)

UNIDO project component number	ECA project number	Project title	Date and location	Nature of co-operation
<u>Industrial Services and Institutions (cont'd)</u>				
	34.00.a(ii)	In identifying centres of training outside Africa, providing information on industrial training opportunities abroad, and helping in the selection of students for training	1971-1976	ECA and UNIDO to co-operate in defining the training needs of African countries and in establishing priorities of training programmes.
10b.02		Industrial management clinics	1971 and 1972	ECA and UNIDO to discuss the nature of operation.
		Regional training adviser in Africa	To be determined	ECA to generate three country requests so that UNIDO can assign a regional training adviser to the ECA region.
11.01.02		Training workshop on extension methods in East African subregion	8-18 June 1970; 1971	UNIDO/ECA - UNIDO organized a workshop in Kampala in 1970 for 14 participants from East African countries and in Dakar for West African countries. Another workshop is planned for 1971 for Central African, Malagasy and North African countries. ECA will be invited to participate in planning the workshop.
11.03.05		Low-cost automation	1971 (for ECAPE)	ECA and UNIDO to explore the possibility of holding a similar UNDP financed project for the African region.
11.04.03		Expert group meeting on industrialization of countries at early stages of development with special reference to small-scale industry	1971; Vienna	ECA to provide a paper and to assist in the formulation of appropriate follow-up action; subject to availability of funds, ECA will participate in the meeting.
11.05		Financing of small industry regional meeting	1971; Asia and the Far East	UNIDO to examine possibilities of establishing a similar project for the African region.

E/E/S  
2/3

Table 2 (cont'd)  
Region: \* Africa (regional projects)

UNIDO project component number	ECA project number	Project title	Date and location	Nature of co-operation
<u>Industrial Services and Institutions (cont'd)</u>				
11.07		Co-operation between small enterprises in developed and in developing countries	1971; Africa and Europe	UNIDO to keep ECA informed on the progress made in the project; ECA to assist UNIDO through active co-operation of its experts in the field and by providing a list of entrepreneurs.
33.00		Special measures for small-scale industry development - training centre for small-scale extension workers	1971-1976	ECA and UNIDO to plan and implement the project jointly.
b(iii)		Study for the establishment of a regional institute for training of extension workers for small-scale industry development	1971	ECA and UNIDO to review further the implementation of the project.
11.08 (former 11.04.03)		Small-scale industry outside metropolitan areas (working group of experts)	1972	UNIDO will keep ECA informed on the progress made in the project. 1971 studies will be prepared on actual experience in a few selected countries, e.g. Nigeria, United Republic of Tanzania.
<u>Industrial Policies and Programming</u>				
12.01.01	linked with ECA project	Summaries of national industrial development plans	1971-1972	ECA and UNIDO to implement the project jointly.
12.01.06		Appraisal of performance and achievements of industrial plans under Second Development Decade	1971-1972	ECA and UNIDO to prepare a publication based on analytical approach including a format for evaluation.
12.03.03	32.00.b(ii)	UNIDO title: National benefit-cost analysis	1970-1972	ECA and UNIDO to harmonize their projects.
		ECA title: Industrial project formulation and evaluation - social cost-benefit analysis of national and multinational industrialization	1971-1976	



Table 2 (cont'd)

Region: Africa (regional projects)

UNIDO project component number	ECA project number	Project title	Date and location	Nature of co-operation
<u>Industrial Policies and Programming (cont'd)</u>				
12.03.04	34.00	UNIDO title: Missions and workshops on industrial project evaluation	1970-1972	ECA and UNIDO to develop joint national and multinational training programmes for the African region.
	b(i) and others	ECA title: Training programmes - project evaluation - annual training courses to improve the competence of government officials concerned with the formulation and selection of investment projects	1971-1976	
12.04	32.00 and 34.00	Industrial project formulation and evaluation	1971-1976	UNIDO to assist, whenever possible, in ECA's activities on project formulation and evaluation; to this end ECA will make available to UNIDO information on projects thus far formulated.
12.05.02		Regional industrial development planning	1971-1972	Exchange of information and provision of comments by ECA; UNIDO to keep in touch with ECA with a view to defining co-operation in the proposed regional workshop.
12.05.03		Working group on UNIDO assistance in regional industrial co-operation	Postponed to 1971/1972	ECA and UNIDO to continue discussion on the project with the object of co-ordinating their assistance to Governments.
	32.00.b(iii)	Market analysis, sectoral reviews of trends, structures, formulation of sectoral development strategies and policies in particular - project preparation and evaluation to establish a commercial profitability index	1971-1976	UNIDO and ECA to obtain necessary government requests to promote the project.
	32.20.b(iii)	Industrial financing - a study to develop new institutional forms of national and international co-operation aimed at adjusting the volume and quality of external capital for industry	1973	Project discussion to continue.

Region: Africa (regional projects)

UNIDO project component number	ECA project number	Project title	Date and location	Nature of co-operator
<u>Industrial Policies and Programming (cont'd)</u>				
	32.20.d(i)	Industrial financing; multinational organizations and industrial development corporations	1971	Exchange of information.
	32.20.d(ii)	Industrial financing; meeting of African ministers of industry and planning	1973	Project to be discussed further, between UNIDO and ECA.
	33.00.a(i)	Evaluation of small-scale industry development programmes	1971-1976	ECA and UNIDO to exchange information.
	b(ii)	Identification of small-scale investment opportunities		
	b(iv) Priority B	Country by country survey of financing sources for small-scale industry development with emphasis on factors inhibiting investment	Letter part 1972 or 1973	UNIDO to examine possibilities of holding a similar seminar for Africa in 1973; UNIDO to support UNDP/TA financing of the project.
	b(v)	Subcontracting as a means of developing small-scale enterprise in Africa	1973	ECA to consider bringing forward the date of the project from 1973; UNIDO will offer the services of its country experts in the collection of data and information.
13.05.04	32.20.b(i)	Mobilization of savings for industry  ECA title: A study to formulate measures for increasing the share of the domestic sector in industrial investment (case studies, country by country)	1971 - case studies 1972 - mission	UNIDO and ECA to undertake jointly a case study in 1971; exchange of information to develop appropriate follow-up action.
13.06.01		Training workshop in financial analysis and planning techniques for industrial projects	1972; Africa	UNIDO to keep ECA informed and to examine possibility of holding the workshop in Africa in 1972.
13.06.02		Case studies of the application of financial analysis and planning techniques	1970-1971	Exchange of information.

## Region: Africa (regional projects)

UNIDO project component number	ECA project number	Project title	Date and location	Nature of co-operation
<u>Industrial Policies and Programming (cont'd)</u>				
13.07.02		Joint venture agreements	1971-1972	Exchange of information and continuous discussions with the object of co-ordinating UNIDO/ECA activities in this field.
13.08.02	34.00.d(ii)	Training programmes in techniques of investment promotion	1971 or 1972	UNIDO and ECA to keep in close touch; ECA to assist UNIDO in establishing an UNDP financed project.
13.09.02		Meeting to promote special industrial projects	1971 or 1972; Central or West Africa	ECA and UNIDO agreed to co-operate in the organization of the third industrial project promotion meeting in Africa.
14.03.02		Utilization of excess capacity in developing countries for export to be followed by inter-regional training seminar	1970-1972 1971; probably Istanbul	ECA and UNIDO to promote the project and to review progress on implementation.
15a.01		Industrial development survey	1970-1972 (continuing)	ECA to make available to UNIDO data and information; ECA and UNIDO to exchange data on industrial investments.
15a.02.01		Some special problems of industrial development of the smaller developing countries	1971	Exchange of information.
15a.04		Industrial statistics and the country-file system	1971 and continuing	Exchange of information.
15b.01	Similar to 32.00.a(iv) and b(iii)	Industrial branch reports	Continuing	ECA and UNIDO to integrate their activities through continuous exchange of papers and through the preparation of papers which previously agreed list of industrial branches so as to ensure complementarity of their efforts.
15b.02	Similar to 32.00.a(iv)	Perspectives for selected industrial branches in the 1970s	Continuing	Exchange of information; ECA to contribute on UNIDO papers.

## THE AMERICAS

### Operational programmes of UNIDO in the Latin American region

45. During 1970, the technical assistance of UNIDO to the countries in the Latin American region amounted to \$2.4 million as compared to \$1.5 million in 1969. Some 176 expert posts were established in 1970. Differences in the degree of industrialization among the various countries of the Latin American region account for the varying levels of technical assistance provided by UNIDO. However, it was possible to discern some trends as regards the fields where assistance was most needed. There has been an increasing awareness of the benefits to be derived from co-operation between member countries of the region and between subregions. This has resulted in the establishment of a certain number of regional groupings such as the Caribbean Free Trade Association (CARIFTA), the Central American Economic Integration scheme (SIECA) and the recently formed Andean Group (Bolivia, Chile, Colombia, Ecuador and Peru), as well as the Latin American Free Trade Association (LAFTA). UNIDO is assisting these regional and subregional groupings by extending technical assistance in a number of fields. The CARIFTA countries received assistance in evaluating the possibilities of establishing industrial plants and in ascertaining their optimum geographical distribution. UNIDO is assisting the Permanent Secretariat of the General Treaty on Central American Economic Integration (SIECA) in formulating policies of industrial development, streamlining of industrial production etc. Assistance is also extended to the Andean Group of countries in the development of agro-industries, petrochemicals etc.

46. In providing technical assistance to the subregional groupings as well as to the countries of the region, UNIDO intensified its co-operation with ECLA, the Inter-American Development Bank, the Latin-American Iron and Steel Institute (ILFA) as well as the Organization of American States (OAS). In implementing a number of projects in the region, UNIDO is also actively co-operating with the agencies in the United Nations system as well as with the United Nations Centre for Housing, Building and Planning in New York.

47. Most of the increase in the volume of assistance provided to the countries in the region was financed under the SIS programme. During 1970, in response to the increasing demand for highly specialized short-term experts, the number of requests made under the SIS programme showed a significant rise, and about half of the assistance rendered by UNIDO to the region was financed under this programme. UNDP/TA resources were mostly encumbered by the project demands from other agencies and the number of UNDP/SF projects in the region was relatively small. There were six UNDP/SF projects in industry in the early stages of operation. With increased high-level consultations between UNIDO and the Governments of the region, as well as with the organization of long-range country programming of technical assistance missions, it is expected that the operational activities of UNIDO in this region will grow considerably in 1971 and 1972.

### Programme co-operation with other organizations

48. In Chile, a UNIDO expert is assisting ILO in the operation of the UNDP/SF project on the Department of Small Industries. The UNIDO expert in industrial estates has assisted the National Co-operation Service (SCT) in Chile in improving the operation of small industry as well as in providing service on the implementation of an industrial estate programme. In Uruguay, UNIDO

will assist the Productivity Centre (project being executed by ILO), in developing a service of industrial consultants to aid industry in the private and public sectors. In this project, UNIDO is providing expert services in the fields of textile and shoe industries. In Ecuador, UNIDO will be co-operating with UNESCO in providing assistance to the UNDP/SF project related to the Applied Research Department of the National Polytechnic School, Quito. UNIDO is also benefiting from the assistance provided by UNESCO in connexion with the UNDP/SF project related to the Caribbean Industrial Research Institute, located in Port-of-Spain, Trinidad, for which UNIDO is executing agency. This Institute is concerned with the provision of technical services to industry with regard to physical testing, collection and dissemination of technical information, undertaking feasibility studies as well as the preparation of industrial standards. UNIDO experts are co-operating in the FAO executed UNDP/SF project in Paraguay (Forestry and Forest Industries Development).

#### **General impact of UNIDO's activities in the region**

49. Broadly speaking, UNIDO has been favourably received in all the countries of the continent. The impact of its programmes and projects varied in intensity, however, from country to country and from region to region. In some countries, the impact is still marginal owing to the fact that bilateral ties and agreements are much stronger and the assistance of UNIDO needs to be harmonized with what has been planned and provided through the bilateral channels. In Mexico, the capacity of the Government and of organized private enterprise for self-help is considerable, but even so, it can be expected that the contribution of UNIDO in the coming years will be significant vis-à-vis the industrial sector, which is geared to the manufacture of capital goods, and the decentralization of industry to the rural areas. The UNIDO mission of 1966, which took place at the request of the National Financing Society, was an important landmark of UNIDO assistance in Mexico's drive towards export of manufactured products.

50. In Central America, UNIDO has made continued efforts over the last several years to assist in the expansion of the industrial sector. The work of UNIDO consisted of support to the Central American Research Institute for Industry (ICAITI), assistance to SIECA in industrial planning, technical support at the country level for small industry, export promotion etc. In the Caribbean, the work of UNIDO at the country level has an impressive record in Jamaica and in Trinidad and Tobago. Thus, assistance was provided by UNIDO in both countries at the pivotal point of the Industrial Development Corporation and, on a sustained basis, at the project/plant level.

#### **Co-ordination among UNIDO experts**

51. Jamaica provides the best illustration of the co-ordination of the efforts of UNIDO experts. UNIDO experts, each assigned specific responsibilities, are attached to the Promotion Department of the Jamaican Industrial Development Corporation. They are concerned with the following industrial sectors: footwear, metalworking, mechanical, electronic and chemical industries. They are involved in co-ordination in the sense that, working as a team, they evolve a uniform approach to the responsibility of project identification and evaluation of projects. Frequent contacts with the Industrial Development Field Adviser and with officials of the UNIDO Secretariat on ad hoc visits have proved to be of value in intensifying this process.

52. Central America is another area which has had a considerable number of UNIDO experts assigned to it, both at the national and at the regional level. Two of the three Central American integration promotion experts are located at SIECA headquarters in Guatemala and the third expert at EMLA, Mexico. Experts in the fields of planning, programming, project identification and evaluation have also been provided by UNIDO to individual Governments with tenures of varying duration. The co-ordination of work of these experts has been achieved through ECLA and SIECA and through mutual consultations on respective programmes.

**Co-operation among experts of United Nations agencies working in the Latin American countries on projects directly and indirectly related to industry**

53. Problems related to industry have been dealt with by experts from a number of agencies, e.g. OTC experts on fiscal policy and incentives, UNIDO experts charged with over-all and/or industry sector studies, FAO experts covering agro-industries, ILO experts in management, training and productivity and UNCTAD experts on export programmes for manufactured products. Co-operation has been primarily a matter of voluntary effort between the concerned experts, at times brought about by the head of the agency of the Government to which the experts are assigned. For example, the General Manager of the Industrial Development Corporation of Trinidad and Tobago, who administers the Small Industry Promotion Programme as well as the ILO project on Management Development and Productivity Centre, fulfils an important task in the co-operation of the UNIDO and ILO experts. This co-operation will call for further efforts with the coming into operation of UNIDO's project entitled Caribbean Industrial Research Institute. As the agreements between UNIDO and the specialized agencies of the United Nations system filter down to the field with the body of decisions on specific projects of mutual interest being reached at the Inter-Agency Working Party Meetings, and as more UNIDO Industrial Development Field Advisers are appointed with reduced areas of assignment, there should be greater scope for improvement in co-operation between experts, the process starting with the heads of the agencies in the field with the initiative being provided by the Resident Representatives of the UNDP.

54. The assistance of UNIDO has also been requested by the Andean Group which is striving for the integration of Bolivia, Chile, Colombia, Ecuador and Peru, a combined population of over 50 million people. UNIDO experts are advising the Group on sectoral programming which will be implemented, in turn, by the different countries where the UNIDO experts will help with feasibility studies etc.

55. The assistance of UNIDO varies from country to country, and Argentina is a good example of co-ordination and co-operation where most assistance was channelled through the National Industrial Technological Institute (INTI). This autonomous organization has government support and is linked closely to the private sector through some twenty research centres which plan and provide assistance to each industrial sector. In this way, the assistance of UNIDO has a broad impact owing to this highly multiplying factor. Furthermore, INTI has published all the lectures given by UNIDO experts.

56. There are at present five Industrial Development Field Advisers located in the offices of the UNDP Resident Representatives in Bogota, Brasilia, Port-of-Spain, San Salvador and Santiago de Chile. The work of these Advisers has greatly facilitated the co-ordination of technical assistance projects in the Latin American region. The Advisers are in continuous

contact with the different Governments in the region and their advice is being sought on a continuous basis by the Governments to which they are assigned. In addition to his regular functions, the Field Adviser in Santiago acts as the UNIDO liaison officer with ECLA and with the Andean Group. The Advisers in Bogota and Port-of-Spain have co-operated with the IBRD missions in Colombia and Nicaragua.

### Regional projects

57. Co-operation between UNIDO and ECLA continued in 1970. In the second annual programme discussions, held in Vienna in December 1970 between the representative of ECLA and the officials of UNIDO, it was possible to discuss co-operation between the two organizations on a number of projects. This was another effort by the two organizations to harmonize their work programmes in the field of industry for Latin America. Another notable development in regard to harmonization of programmes were the discussions both in Vienna and in New York. As a result of the discussions between the Executive Director of UNIDO and the Executive Secretary of ECLA, consideration is now being given to a delineation of functions between the two organizations so as to bring about an optimum utilization of the resources available to both organizations. This delineation of functions will take into account such factors as knowledge of the countries of the region, expertise accumulated in promoting and developing specific industrial branches, experience in specialized areas such as industrial research, standards and metrology, and should ultimately permit a more systematic utilization of all the resources available to UNIDO and ECLA for the promotion of industrial development in the region. It was clear from the first consideration of this matter during the programme discussions in Vienna in December 1970 that further work was required and that it was also necessary to readjust the cycles of the preparation of respective work programmes in such a way as to facilitate both simultaneous approval by the legislative bodies concerned as well as the implementation of joint projects.

58. As a result of the programme discussions between the two organizations, it was possible to identify a number of projects for joint implementation in the ECLA region for 1971 and 1972. The details of the co-operation agreed upon in December 1970 are contained in tables 3 and 4 below. The projects include a number of training programmes, organization of workshops on specialized subjects as well as the development of specific industrial branches. ECLA and UNIDO will also be working out the details of co-operation in regard to the work to be undertaken in the field of review and assessment of progress under the Second United Nations Development Decade. ECLA is interested in the UNIDO programme dealing with product development, and discussions will be continued with a view to evolving also a joint programme of work in this area in the Latin American region. As a result of these discussions it has been possible to channel the joint efforts of the two organizations in providing assistance to the Andean Group of countries. It was further agreed that the progress made in this area would be periodically reviewed so as to ensure further co-ordination leading to better results. ECLA has been requested by the Government of Peru to undertake an evaluation of the damaged industries in the zone affected by the earthquake. For this purpose, UNIDO has detached one expert working in Bolivia to join the ECLA mission in the evaluation of the small-scale industry rehabilitation.

### Regional industrial advisers

99. There are at present four regional industrial advisers in Latin America financed by UNIDO and attached to ECLA in the following fields: mechanical industries, technological research, pulp and paper and chemical industries. In addition, three regional advisers are working in the Central American region in close co-operation with the ECLA Mexico office. These advisers have played an important role in assisting the Governments of the region, at their request, and also in undertaking assignments at the request of UNIDO. As in the case of regional advisers assisting SIECA in Central America, the regional advisers located at ECLA headquarters have assisted the Andean Group of countries in undertaking a number of feasibility studies in their respective areas of competence. The UNIDO pulp and paper adviser in Santiago is a member of the ECLA/FAO/UNIDO group on forest industries and has undertaken a number of assignments for the development of the pulp and paper industries in the region. Through this group and through experts especially recruited for the purpose, UNIDO assisted ECLA in the organization of the regional meeting on pulp and paper which was held in Mexico City in March 1970. Consideration is also being given to the creation of a FAO/ECLA/UNIDO food industry group to assist the Andean Group of countries in the promotion and development of food processing industries. ECLA and UNIDO are discussing the possibility of appointing a regional adviser in the field of export promotion upon the completion of assignment by the regional adviser in mechanical industries. It is hoped that the fields of specialization of the regional advisers will also eventually reflect the delineation of functions between UNIDO and ECLA.



Table 3

Region: The Americas (field projects)

Country	Project title and number	Duration, date of operation, location	Nature of co-operation (executing agency/other agency)
Argentina	Forest inventory and development in the north-west of Argentina (SP - ARG-36)	Approved June 1970; started operation 28 December 1970	FAO - possibility is being discussed of UNIDO's participation in this SF project. UNIDO activities would consist of assistance in wood chemicals such as quebracho extract, essential oils, wood carbonization products and turg oil.
	Development of metalworking industries (1.04.01 - meeting)	December 1971	UNIDO/ECLA - ECLA will prepare a paper on analysis of metalworking industries in the countries of this region and participate in the meeting.
Brazil	Possibilities of manufacturing Mirex (SIS BA 70/9)	4 weeks in February 1971	UNIDO/FAO - FAO will delegate a market researcher who, together with a UNIDO expert, will make an initial assessment of the local market and the feasibility of manufacturing Mirex formicide.
	Meeting for the development of the fertilizer and pesticide industries in Latin America (5.01.02 - meeting)	November 1970	UNIDO/ECLA/FAO - ECLA prepared a survey of fertilizer situation in Latin America and participated in the meeting. FAO sent four participants to the meeting and provided information on the work of the Sao Paulo Pesticides Residues Laboratory and the work of the Freedom from Hunger Campaign.
	Workshop on clay building materials in Latin America (3.04.02)	Planned for 1972	UNIDO/ECLA/UNCHEP - ECLA and UNCHEP are expected to plan meeting jointly with UNIDO and to submit papers and background documents as follows: ECLA - present status and future development of ceramics materials in that region; UNCHEP - use and application of ceramics building materials in low-cost housing in Latin America.
	Industrial management clinic (10h.)	1970	UNIDO/Young Presidents of America/Escola de Engenharia de Sao Carlos - on-the-spot discussions on production, design, quality control etc. in Brazilian industry.

ID. B. 8. 3  
Page 20

**Table 3 (cont'd)**  
**Region: The Americas (field projects)**

Country	Project title and number	Duration, date of operation, location	Nature of co-operation (executing agency, other agency)
Brazil (cont'd)	Metalworking export promotion (SIS-BRA 70/731)	12 months; operational November 1970	UNIDO/UNCTAD and UNCTAD/GATT/ITC - the project is concerned with the evaluation of the export possibilities of some branches of industry and making recommendations for improving export performance in selected industrial branches.
Chile	Assistance to small industries (SP - CHI-22)	1967-1972	ILO/UNIDO - one UNIDO expert on industrial estates (36 m/m) in ILO expert team which is to assist the Servicio de Cooperación Técnica (SCT) in improving the operation of small industries and, in particular, to advise SCT on the formulation and implementation of an industrial estate programme.
	Analytical profiles of production costs and allied information on manufacturing industries in Chile (12.02.03)	1970-1971	UNIDO/CORFO (Chile)/ECLA - UNIDO work consists of co-ordination of its enterprise profiles programme with ECLA work and of financing part of the CORFO field work. ECLA provides direct assistance to CORFO in all phases of the project.
	Regional workshop for managerial staff of chambers of industry in Latin America (8.03.03a)	1 week in 1972; Santiago, Chile	UNIDO/ECLA - the training workshop will be organized by UNIDO in close co-operation with ECLA. ECLA will be requested to provide the host facilities and to contribute to the discussions in the workshop.
	Training workshop in methods of industrial survey (Spanish-speaking countries) (15a.03.01)	1971; Santiago, Chile	UNIDO/ECLA/ILPES - the UNIDO training workshop will be held in co-operation with ECLA and the Latin American Institute for Economic and Social Planning (ILPES). Both organizations will be requested to provide lecturers and material facilities.
	Training of personnel engaged in standardization in Latin America (8.02.01)	1 week in 1971; Santiago, Chile	UNIDO/ECLA/COPANT/ISO - the training workshop will be organized by UNIDO in co-operation with ECLA, COPANT and ISO. ECLA has agreed in principle to provide the host facilities for organizing the workshop. COPANT and ISO will be requested to submit papers on their experiences in the field of standardization in Latin America,

Table 3 (cont'd)

Region: The Americas (field projects)

Country	Project title and number	Duration, date of operation, location	Nature of co-operation (executing agency/other agency)
Chile (cont'd)	Training of personnel engaged in standardization in Latin America (8.02.01) (cont'd)		with particular emphasis on training of personnel in standardization functions. It is envisaged that both COPANT and ISO will send representatives to the training workshop.
	Regional workshop in organization and administration of industrial services and institutions (8.03.01)	2 weeks in 1971; Santiago, Chile	UNIDO/ECLA - joint organization and execution with ECLA. ECLA has agreed in principle to provide the host facilities for organizing the workshop.
	Seminar on selected aspects of industrial policy (13.01.01)	1971; Santiago, Chile	UNIDO/ECLA - UNIDO and ECLA are discussing the items of the agenda. ECLA recommended that a UNIDO staff member visit Santiago in order to finalize the agenda with ECLA and ILPES. ECLA has prepared some papers which will be used at the seminar.
Colombia	World employment programme - country mission to Colombia (12.02.02 and 15a.03)	1 month in 1970	ILO/UNIDO - UNIDO was represented at preparatory meetings (industrial economist). A UNIDO field expert assigned to Colombia participated in the work of the mission, and comments on the report were offered to the ILO.
Ecuador	Assistance to the Applied Research Department of the National Polytechnic School (SF - ECUADOR-30)	January 1971	UNIDO/UNESCO (not yet decided) - UNIDO assuming responsibility for industrial aspect of the Applied Research Department and UNESCO with teaching etc.
El Salvador	Industrial management clinic (10b.)	4 August to 4 September 1970	In co-operation with INSAFI, UNIDO organized the meeting dealing with problems of textile industry.
Mexico	Regional development of the Lerma zone (SF - MEX-28)	3 years; operational March 1969	UN/UNIDO - one expert (senior consultant in industrial development) is assigned to this project.

ID: B. 9.  
Page 11

Table 3 (cont'd)

Region: The Americas (field projects)

Country	Project title and number	Duration, date of operation, location	Nature of co-operation (executing agency/other agency)
Peru	Rehabilitation of earthquake destroyed zone	January - March 1971	ECLA/UNIDO - contribution of one UNIDO expert (2 months) in ECLA team in the field of small industries.
	Seminar for industrial information officers (9.01.04)	1971; Lima	UNIDO/ECLA - UNIDO is planning to hold this meeting, and ECLA will co-operate in the selection of candidates.
	Export Promotion (SP-PER-45)	Approved January 1971; duration 3 years	UNCTAD/UNIDO - UNIDO to participate in the mid-term review of the project.
Uruguay	Productivity centre (SP - URU-12)	2 1/2 years; operational December 1969.	ILO/UNIDO - UNIDO to assist the productivity centre in developing a service of industrial consultants to aid industry. The garment manufacturing technologist will undertake a survey of the garment industry and the expert in the manufacture of leather footwear will analyse conditions in this sector.
Venezuela	Evaluation of export position of the Venezuelan industry (SIS 70/717)	9 months; operational October 1970	UNIDO/UNCTAD - it was decided at the second meeting of the UNIDO/UNCTAD working group that this project should include an expert in export sales and marketing techniques. He will be recruited by UNIDO and briefed and backstopped by UNCTAD.
Central America	Agricultural machinery and implement investigation and development mission (under planning)	13 m/m in 1971	UNIDO/Permanent Secretariat for Economic Integration of Central America (SIECA)/Central American Research Institute for Industry (ICAITI) - it is proposed that UNIDO should make available, on a subcontracting basis, two experts in agricultural machinery to ICAITI to carry out the project. ICAITI will implement the project with the co-operation of SIECA.

**CARIFTA**

Small industries development - Caribbean Free Trade Area (CARIFTA) (planned mission) 1971-1973

UNIDO/ECLA - UNIDO small industries adviser (CARIFTA) to work from ECLA Caribbean Office in Port of Spain.

Table 3 (cont'd)

Region: The Americas (field projects)

Country	Project title and number	Duration, date of operation, location	Nature of co-operation (executing agency/other agency)
Andean Group	Promotion of the manufacture of semi-conductors on a subregional basis (1.02.05)	1972	<p>UNIDO/ECLA - UNIDO will undertake this project, including a market survey for the development of the industry. ECLA would like to receive more information and recommends the Andean Group of countries for this study.</p>
	Development of metalworking industries in Latin America (1.04.01)	1972	<p>UNIDO/ECLA - several Latin American countries are interested in this meeting which will examine the selection, production and utilization of machine tools and industrial machinery. ECLA suggests that the Junta of the Andean Group be approached for the organization of the meeting.</p>
	Development survey mission in pharmaceuticals (4.03.02)	1971	<p>UNIDO is planning a survey mission in co-operation with FAO, WHO and ECLA. ECLA was already considering undertaking a basic chemical survey for the Andean Group of countries. It was agreed that UNIDO and ECLA exchange information on the two projects and participate mutually in both of them.</p>
	Petrochemical survey (5.04 and SIS 70/762 PRCU) 1970-1971		<p>UNIDO/ECLA - ECLA would like to receive the final report of this project, which is being undertaken by a Japanese consulting firm, as it could serve as a basis for similar projects being undertaken in the Andean Group of countries. ECLA will be advising the Secretariat of the Andean Group on the development of the petrochemical industry for the entire region.</p>
	Centre for industrial information (9.01)	1971	<p>UNIDO - centre being established to serve the Andean Group of countries.</p>
	Expert group meeting on processing selected tropical fruits and vegetables for export to premium markets (6.02.08)	1971	<p>UNIDO to invite ECLA, UNCTAD, FAO and IAEA to participate in this meeting. ECLA will receive more details at a later date and UNIDO approached to ECLA that the Junta of the Andean Group be approached for participation in this meeting. ECLA is also requested to assist UNIDO in selecting participants from the region.</p>

10/5/72  
2/2/72

Table 4  
Region: The Americas (regional projects)

UNIDO project component number	Project title	Date and location	Nature of co-operation
<u>Industrial Technology</u>			
1.01.02	Development of the agricultural machinery industry	1971	UNIDO/ECLA - UNIDO will undertake this work on a sub-regional basis; individual reports are to be prepared by the mission for each country. These reports will be supplemented by a general analysis of the common problems in the subregions.
1.01.05	Agricultural machinery and implement development mission in the selected countries of Latin America	1971	UNIDO/ECLA - ECLA will be requested to participate in this mission and also to assist in collecting the preliminary information on each of the countries concerned. UNIDO financing of ECLA expert to be investigated.
2.03.04	Seminar on tin plate production	9-13 November 1970	UNIDO/ECLA - ECLA serviced and participated in the seminar.
2.05.02	Promotion of metallurgical technology to the metals transforming industries of developing countries	1972	UNIDO is planning to undertake this mission to developing countries to finalize arrangements for direct transfer of know-how from donors to recipients. After this mission, a meeting is to be held in Latin America. ECLA will participate and assist UNIDO in the organization of the meeting.
5.01.05	Second interregional symposium on the production of fertilizers	1971	UNIDO is holding this symposium partly in New Delhi and partly in Kiev (Union of Soviet Socialist Republics). ECLA will suggest candidates from the region to participate in the meeting.
5.02.01	Transport of molten sulphur	1970-1971	UNIDO/ECLA - UNIDO has carried out a study on the trends and projections of supply and demand for sulphur from 1970 to 1980. ECLA to receive a copy of the report as soon as it is available.
5.03.01	Investigation of the availability of excess chlorine and its potential use for the manufacture of pesticides	1970	UNIDO/ECLA - ECLA has assisted UNIDO in identifying those countries in Latin America where the problem of excess chlorine exists; the UNIDO expert will be assisted by ECLA.

Table 4 (cont'd)  
 Region: The Americas (regional projects)

UNIDO project component number	Project title	Date and location	Nature of co-operation
<u>Industrial Technology (cont'd)</u>			
5.04.05	Symposium on plastics technology for Latin American countries	1971/1972	UNIDO/ECLA - ECLA will be requested to prepare papers on present status and future possibilities of plastic production and fabrication in selected Latin American countries. The meeting will be planned jointly by UNIDO and ECLA.
5.03.04	Training course for industrial production of pesticides in developing countries	1971	UNIDO/ECLA - a similar course was organized by UNIDO in 1970 in Syracuse, United States of America. ECLA is interested in participating and would suggest candidates for the course.
6.02.05	Expert group meeting on technical and economic criteria in the oilseed processing industry	1972	UNIDO/ECLA - ECLA suggests that project be discussed at a later stage after clarifying UNIDO participation in another project, i.e. the food processing programme in conjunction with ECLA and FAO.
6.03	Wood processing industry	1971-1972	UNIDO/ECLA - UNIDO is developing a number of projects in the wood processing industry, especially for the use of wood in housing. ECLA, through the ECLA/FAO/UNIDO Advisory Group for the Forest Industry, is also working in this field. Co-ordination of activities between the Advisory Group and UNIDO headquarters will be carried out.
<u>Industrial Services and Institutions</u>			
7.04.01	Expert group meeting to formulate a training programme on licensing practices in developing countries	1 week in 1972	UNIDO/UNCTAD/WIPO (formerly EIRPI) - the expert group meeting will be organized by UNIDO in co-operation with UNCTAD and WIPO. UNCTAD and WIPO will be invited to send their representatives to the expert group meeting and to participate in the discussions.
8.01.02	Interregional workshop for stimulation of industrial research activities	1 week in 1972	UNIDO/UNESCO - UNESCO will be requested to make recommendations and suggestions on the planning and organization of the seminar. ECLA is to be invited to draft a paper on the seminar on its experiences with research and development, and search policies in developing countries. UNIDO will participate in the discussions.

Table 4 (cont'd)  
Region: The Americas (Regional projects)

UNIDO project component number	Project title	Date and location	Nature of co-operation
<u>Industrial Services and Institutions (cont'd)</u>			
8.01.03	Appraisal of industrial research in developing countries	1971/1972	WAITRO/UNIDO/ECLA - joint inquiry aimed at better identification of problems of industrial research in developing countries and joint efforts to solve the problems.
8.02.02	Study on regional standardization organizations	1972	UNIDO/ISO - contact will be made with ISO to determine possible areas of co-operation in preparing the study. It is expected that the experience of ISO in this field will be utilized to develop an outline for the study. ISO will also be requested to comment on the first draft of the study.
8.03.03	Regional training workshop on industrial co-operatives in Latin America	1972	UNIDO/ILO/ECLA and ICA (International Co-operative Alliance) - ILO and ICA will be requested to make suggestions and comments on the draft programme for the regional training programmes for managers of industrial co-operatives which are envisaged for 1972.
10a	In-plant group training programmes	1972	UNIDO is planning to organize such programmes on a regional basis. UNIDO will correspond with ECLA at a later stage to determine the extent and nature of the participation of ECLA.
11.05	Meeting on financing of small-scale industries	23-28 November 1970	UNIDO/ECLA - the purpose of the meeting was to induce Governments of countries in the region to improve systems of financing of small-scale industries. Participants from 13 countries and a number of observers attended the seminar.
<u>Industrial Policies and Programming</u>			
12.01.01	Summaries of national development plans	1971-1972	UNIDO/ECLA - UNIDO will send to ECLA the new formats of the summaries of the plans. ECLA will supply necessary information to UNIDO.
12.01.06	Appraisals of performance and achievements of industrial plans during the Second Development Decade	1971-1972	UNIDO/ECLA - UNIDO has invited ECLA to join this programme. ECLA's participation will be clarified at a later stage.



Table 4 (cont'd)  
Region: The Americas (regional projects)

UNIDO project component number	Project title	Date and location	Nature of co-operation
<u>Industrial Policies and Programming (cont'd)</u>			
12.03.04	Industrial programming to Central America (SIECA) - Central American Common Market	Continuing	UNIDO/SIECA/ECLA - UNIDO experts to prepare surveys on different aspects of industrial programming and to assist SIECA as requested.
14.04	Assistance in development of export industries	1971; planned	UNIDO/ECLA - the establishment of a regional adviser post to assist the joint project for export industries is being considered.
14.04.01	International subcontracting	1971	UNIDO/ECLA - UNIDO will exchange ideas with ECLA to evolve co-operation.
14.05.01	Programme of product adaptation and development	1971	UNIDO/ECLA - UNIDO will supply ECLA with information on the project and clarify ECLA's participation.
15.01	Industrial development survey	1973	UNIDO/ECLA - UNIDO requests ECLA to send information, especially on the investment and finance of the Latin American manufacturing industry, for the publication of the industrial development survey. ECLA will submit the available information upon request.

## ASIA AND FAR EAST

### Operational programme of UNIDO in the Asian and Far Eastern region

60. The technical assistance provided by UNIDO to 21 countries in Asia and the Far East during 1970 extended over the entire range of the industrialization process. Some 270 projects with a total value of \$2.8 million were under implementation in 1970. Also, 128 fellowships were established in that year under various programmes, as compared to 75 in 1969.

61. The 1970 technical assistance operations in the Asian and Far Eastern region were marked by the following trends. First, as a result of the surveys on repair and maintenance facilities, agricultural machinery and on the export potentials for manufactured goods, a number of projects were established in these areas and more are expected in the next two years. Second, continued in-depth assistance was provided for the reorganization and development of specific industrial sectors. Third, there was increased demand for assistance to basic institutions such as planning bodies, applied research and standardization institutions, management and export promotion organizations. Finally, requests were also received for assistance in relatively more sophisticated fields such as systems analysis, polymer chemistry, data banks and development of criteria for location of industries and subcontracting between large and small industries.

62. In response to a number of requests for assistance from countries in Asia and the Far East in 1970, UNIDO benefitted from the co-operation of a number of organizations in the United Nations system, including ECAFE, ILO, FAO, UNESCO and WHO. The details of this co-operation are contained in tables 5 and 6 below. UNIDO also co-operated with a number of regional intergovernmental organizations such as the Mekong River Basin Committee, the Regional Co-operation for Development (RCD) between Iran, Pakistan and Turkey, and the Asian Productivity Organization. The main features of projects undertaken by UNIDO in co-operation with the other organizations in the United Nations system are the developing of agro-industries, establishment of specific industries, promotion of export-oriented industries and development of small industry.

#### Agro-industries

63. The impact of the Green Revolution has been especially marked in the countries of Asia and the Far East, and this fact is reflected in the number of requests received by UNIDO for assistance related to agro-industries. Intensified agriculture and emphasis on farm mechanization have resulted in the need for expansion of local manufacturing facilities for agricultural machinery and implements in certain countries of the region. The requests for technical assistance in this field, handled by UNIDO in co-operation with FAO and ECAFE, included feasibility studies for manufacturing agricultural machinery, establishment of mobile and stationary workshops for repair and maintenance, utilization of existing metalworking and foundry facilities for production of agricultural machinery as well as the establishment of new manufacturing units. Special attention has also been given by UNIDO to the improvement and establishment of foundries and metal transforming industries with a view to developing manufacturing facilities for pumps, engine parts as well as transport and storage facilities.

With regard to fertilizers, the activities of UNIDO were closely linked to the rapid improvement now taking place in the agricultural productivity of many developing countries in the region. Several of these developing countries are seeking economic of scale in fertilizer production, and attention is being given to regional co-operation in fertilizer production and distribution. In Pakistan, UNIDO, in co-operation with FAO, is thus assisting the Government in developing the fertilizer and petrochemical industries and in promoting the use of these products. Pre-investment studies are undertaken with a view to assisting the Government in its negotiations with potential sources of finance. The Government of India has agreed to host the Second International Fertilizer Symposium, to be held in September/October 1971 (partly in Kiev, Union of Soviet Socialist Republics, and partly in New Delhi, India) particularly with regard to arranging plant visits for the participants in this meeting.

### **Promotion of export-oriented industries**

55. To promote the establishment of successful export-oriented industries in developing countries in the region, UNIDO has initiated a number of programmes during 1970 in co-operation with UNCTAD and the UNCTAD/GATT/International Trade Centre as well as with ECAFE. These programmes relate to organizing joint missions to countries in Asia and to initiating programmes for product adaptation and development. The joint missions, for instance, will be concerned with the exploration of opportunities for development of selected products that could be manufactured in order to take advantage of the recent agreement on a generalized system of preferences. The UNIDO project on product adaptation and development is aimed at providing communication and feedback between producers in developing countries and potential buyers in developed countries. This type of project has been initiated in India to improve the design, quality, price etc. of industrial products in order to satisfy the requirements of potential markets in the industrialized countries. The role of UNIDO in this project will be to identify, on request, suitable partners and bring them together to provide related additional assistance to the producers involved.

56. The Government of Philippines is being assisted by UNIDO experts to develop its shoe and furniture industries for export markets. The Government of Singapore is also being assisted in developing small-scale industry products destined for the tourist and export markets. Similar projects, including assistance in the establishment of free trade industrial zones for export, are being actively considered. UNIDO has already taken advantage of industrial and trade fairs, such as the Tehran Fair in 1970, by organizing "Industry Days" at which industrialists from both developing and developed countries participated. UNIDO is also planning to participate in the Asian Trade Fair which is scheduled to be held in New Delhi in 1972.

### **Establishment of specific industrial branches**

57. UNIDO, in co-operation with ILO, FAO and WHO, has assisted the Governments of the region in establishing pharmaceutical, leather, textile, jute and metalworking industries. For example, in Pakistan, UNIDO will assist the Government, in co-operation with ILO, in the establishment in Karachi of a Centre for the Organization and Development of the Jute Industry. The Centre is to provide assistance in improving the productivity of the jute industry and to undertake research on the diverse uses of jute. A Centre for the Development of Modern Textile Industry is planned in Pakistan, and this project is to be implemented by UNIDO in association with ILO.

68. In the Philippines, a Metal Industry Development Centre is operating as a UNIDO executed UNDP/SF project to provide the metal industry with technical advisory services and assistance in quality control, management and technical training. The Centre includes facilities for foundry, mechanical workshop, toolroom, metrology, quality control and testing departments, as well as an engineering and drafting office. The Centre also assists the Government in formulating its policies for the expansion of the metal industry sector. The nature of the participation of ILO is being discussed.

69. The UNIDO executed UNDP/SF project entitled Technological Research Institute in Bangkok, Thailand, has been in operation since 1964 and has accomplished a number of important tasks such as the improvement of the quality of kenaf, assistance to the foundry industry, development of new processes for producing a stabilized rice bran and a stabilized coconut milk for sale in glass bottles, as well as the improvement of the number of food products based on mung and soya-beans which increase the protein diet. A number of United Nations agencies have assisted the Institute in carrying out these activities. UNESCO experts worked in this Institute and UNESCO provided support in developing the Institute's instrument and calibration section. A number of staff of the Institute benefitted from fellowships provided by UNESCO. The Institute has also benefitted from various commodity and trade studies which were carried out by ECAFE. UNIDO experts in this project have been in touch with ECAFE in regard to silicate industries, building materials and industrial processing of rice. The Technological Research Institute in Bangkok not only benefitted from the ILO experts working in its Small Industries Services Institute in Bangkok, but also provided services to the Institute by undertaking chemical analysis on samples. WHO representatives visited the Institute to discuss the Institute's work on the development of protein foods. Through this UNIDO executed project, work at the country level has been harmonized in co-operation with other United Nations agencies, and the project has been instrumental in developing close links between them.

70. Co-operation between UNIDO field personnel and those of the other organizations in the United Nations system has continued not only with regard to existing projects but also with regard to the planning of new projects. The Industrial Development Field Adviser located in the UNDP office in Bangkok has collaborated closely with the ILO Regional Office in Bangkok and with a number of ILO experts on the preparatory work on the draft request for UNDP/SF assistance in the establishment of a textile institute in Thailand. The Adviser has also discussed the planned project on management and consultancy training and skill formation with representatives of UNDP and with ILO experts. Similar efforts for co-ordinated assistance to the different industrial sectors in the developing countries were made by the UNIDO Industrial Development Field Advisers, posted in Islamabad, Manila and New Delhi. The co-operation and collaboration between the various experts provided by the different organizations has also been reflected in the successful work of the Light Industries Service Unit as well as the Precision Engineering Development Centre in Singapore. After the completion of the ILO work in the Light Industries Service Unit, UNIDO provided a number of specialists to follow up the work undertaken by ILO. For the ILO project entitled Metal Industry Development Centre in Singapore, UNIDO, as associated agency, is providing a number of experts in machine tool maintenance and repair and metrology, as well as an Industrial Development Field Adviser who is an expert in cost accounting. Similarly, UNIDO, in association with UNESCO, UNDP and the Government of the Republic of Korea, is examining the possibility of assisting in the implementation of the second phase of the UNDP/SF project entitled Fine Instruments Centre, Seoul, for which UNESCO is the executing agency.

71. During 1970, UNIDO continued its assistance to the RCD Secretariat, particularly in the establishment of manufacturing units for heavy electrical and heavy engineering branches of industry. Specific objectives of such assistance are to establish criteria for the location of industries among member countries of the RCD region, to study the establishment of the organizational structure, to promote the establishment of industries such as locomotive diesel engines and turbo-generators, and to carry out feasibility studies. UNIDO is also planning to organize in 1971, in co-operation with the RCD Secretariat, a meeting to promote small-scale industries in the RCD countries. It is expected that about 40 participants from the three member countries will take part in the meeting, which is to be held in April 1971 in Tehran.

72. The technical assistance provided by UNIDO during 1970 to the Mekong River countries included the undertaking of a pre-feasibility study on the establishment of a ferro-alloy industry in the Mekong Basin. UNIDO, in co-operation with ECAFE, is presently undertaking an iron and steel study in the Mekong region. As a part of this study, a comprehensive investigation is being undertaken to determine the markets for iron and steel as well as the raw material resources available in the four countries (Khmer Republic, Laos, the Republic of Vietnam, Thailand). This team of experts will study and suggest a pattern of development for the steel industry in the Mekong River countries.

#### **Long-range programming missions**

73. During 1970, UNIDO organized long-range programming missions of technical assistance in Ceylon, Indonesia, Iran and the Philippines. The activities of UNIDO in the formulation of these long-term programmes of technical assistance involved initial discussions between UNIDO and government officials at the highest levels, appreciation of the organization and functioning of the industrial sector, examination of the national plans of development, and evaluation of the role of the business community and of the scope and content of the external bilateral assistance to industry. On the basis of these discussions and of a general evaluation of the elements mentioned above, UNIDO has evolved requirements for assistance to the selected developing countries. Discussions are under way for organizing similar missions to seven countries in the region, namely, Afghanistan, Fiji, Malaysia, Nepal, Pakistan, the Republic of Korea and Thailand.

74. On the basis of the report of the long-range programming mission and of a subsequent request from the Government of Iran, UNIDO undertook exploratory missions on the development of the lead and zinc industry, establishment of a centre for metallurgical technology, and the designing of a management information and decision-making system in the Ministry of Economy. The Government of Indonesia, following the long-range programming mission to that country, submitted a request for UNDP/SF assistance for the Textile Industry Rehabilitation and Development Programme. New projects approved for implementation in 1971 in Indonesia relate to shipyard operations, manufacture of matches etc. Similarly, the follow-up action in the Philippines consists of provision of advisory services in the fields of engineering, industrial estates and industrial fermentation. Other projects, which have been identified by the mission and which have been implemented by the Government of the Philippines in co-operation with IBRD, refer to production of agricultural machinery and implements, footwear manufacturing etc.

### **Industrial Development Field Advisers**

75. There are presently four UNIDO Industrial Development Field Advisers assigned to the Asia and Far East region. They are attached to the offices of the UNDP Resident Representatives in Bangkok, Islamabad, Manila and New Delhi. The Industrial Development Field Adviser in Bangkok acts in addition to his regular functions as the UNIDO liaison officer with ECAFE. These Advisers have been instrumental in establishing good working relations with the other experts and officials of the United Nations agencies, bilateral agencies, financing institutions etc. in the countries covered by them. The Adviser in Bangkok has also worked very closely with the regional office of ILO in Bangkok and has participated in the preparation of a number of projects by ILO. The Adviser in Manila is also in continuous contact with the Asian Development Bank. Discussions with the representatives of the bilateral organizations have been initiated by the Advisers.

### **Programme co-operation between UNIDO and ECAFE**

76. An agreement was reached in July 1970 between the Executive Director of UNIDO and the Executive Secretary of ECAFE concerning the organization of group missions to countries in the ECAFE region to deal with industrial planning and pre-investment needs, as well as to review and assess industrial development in the countries of that region during the Second United Nations Development Decade. It was agreed that ECAFE and UNIDO would combine advice, technical assistance and assessment in an integrated manner designed to suit the requirements of each of the developing countries in the ECAFE region. As a follow-up of this agreement, the Executive Director of UNIDO visited Bangkok at the invitation of the Executive Secretary of ECAFE on 3 September 1970. In the meetings held between UNIDO and ECAFE in Bangkok on 3 and 4 September 1970, it was possible to review briefly the work of the two organizations and to exchange information on harmonization of programmes of work.

77. The Second Asian Conference on Industrialization was organized by ECAFE in co-operation with UNIDO. UNIDO contributed papers on six agenda items and participated actively in the Conference which was held in Tokyo from 8 to 21 September 1970. The Conference was attended by delegations from 23 member and associated countries of ECAFE as well as by the representatives of the different organizations of the United Nations family.<sup>1/</sup>

78. As part of the Second Asian Conference on Industrialization, UNIDO organized, in co-operation with ECAFE, an Investment Promotion Meeting which was held from 23 to 30 September 1970 in Manila, Philippines. This UNIDO sponsored meeting was designed to facilitate and stimulate contacts with potential suppliers of funds, both private and public, as well as with parties sponsoring specific industrial projects in developing countries. The meeting was attended by some 300 participants, of whom 146 were from 14 developing countries that had projects to present to the prospective investors.

79. Following the agreement reached on the generalized system of preferences, UNIDO requested ECAFE to include an item on this subject in the twenty-third session of the Committee for Industry

<sup>1/</sup> The report of the Conference, including the resolutions adopted by it, are contained in document E/CN/11/945.

and Natural Resources, which was held in Bangkok from 29 January to 6 February 1971. UNIDO, in co-operation with UNCTAD, prepared a paper for this meeting, and actions have been initiated to organize joint missions on this subject to a number of countries in the region. It is hoped that following these missions, UNIDO will undertake, upon request and in co-operation with the organizations mentioned above, detailed production feasibility studies on specific industries to ascertain their economic reliability and potential. In addition, UNIDO has taken further initiative and is assisting ECAFE in launching its Regional Industrial Survey by providing UNIDO experts, financed by UNDP, to the project.

80. The representative of ECAFE visited UNIDO once again in November 1970 for discussions on the harmonization of the programmes of work of UNIDO and ECAFE. These discussions on the respective programmes of work provided an opportunity for the two organizations to consult on respective programmes of work and to ascertain specific projects for joint implementation in 1971 and 1972. The results of these discussions are contained in table 6 below. During these discussions, UNIDO emphasized the increasing need to harmonize the programmes of ECAFE in industry with the operational programmes of UNIDO. It was felt that the staff of ECAFE should increasingly be made available to UNIDO, whenever possible, to undertake technical assistance assignments which fall within the framework of the respective work programmes of UNIDO and ECAFE.

81. UNIDO has five regional industrial advisers who are attached to ECAFE. These advisers are financed under the UNIDO regular programme of technical assistance. Their work consists of providing technical advice to Governments, upon request, and of undertaking exploratory and advisory missions at the request of UNIDO. The areas of specialization of the regional advisers during 1970 were in iron and steel and agro-industries. ECAFE and UNIDO are presently reviewing the appointment of three new regional advisers whose posts have become vacant. Consideration is thus being given to obtaining the services of three regional industrial development advisers to work in the fields of petrochemicals, industrial training and industrial economics.

Table 5  
Region: Asia and the Far East (field projects)

Country	Project title and number	Duration, date of operation, location	Nature of co-operation (executing agency/other agency)
Ceylon	National economic programming and planning (SF - CEY-13)	4 years; operational in 1968	OTC/UNIDO - UNIDO to participate in midterm review to determine scope of participation.
Ceylon	Agricultural machinery manufacturing rationalization: tractors and power tillers (SIS 70/810/811 CEY-17)	3 months; operational 17 August 1970	UNIDO/FAO - FAO assisting UNIDO mission by providing an agricultural engineer for 2 months.
Ceylon	Assessment and review in industrialization in the ECAFE countries	Planned Second Development Decade project	UNIDO/ECAFE - ECAFE suggested Ceylon as suitable country to start work and to ascertain the interest of the country. UNIDO to prepare draft request and send to ECAFE for comments.
China	Agricultural machinery manufacturing (SIS - 320 China)	12 months, 1971	UNIDO/FAO - FAO will make available for a period of 2 months, an expert on rice mechanization to assist UNIDO expert on agricultural machinery manufacture.
India	Training programme for marketing and promotion of industrial products for India (INDP/TA project, IND/69/17/Rev.1)	12 months, management expert, and 20 fellowships 4 months each; 1 July 1970	UNIDO/UNCTAD/CATT/ITC - UNIDO providing management expert and securing placement of 20 trainees in European companies. UNCTAD providing briefing for the management expert and trainees.
India	Workshop on utilization of industrial and agricultural wastes in the building industry (3-07.03; Priority B)	Planned for 1972	UNIDO/ECAFE - Joint planning of the meeting is anticipated. UNIDO provides financing and background papers and documents.
India	Interregional seminar on the industrial processing of rice (6.02.06)	3rd quarter 1971	UNIDO/ECAFE/FAO - ECAFE is to contribute a paper entitled "The status of the rice-bran oil industry in the ECAFE region". FAO is to present a report on the sixth working party on the agricultural engineering aspects of rice production, storage and processing.



Table 5 (cont'd)

## Region: Asia and the Far East (field projects)

Country	Project title and number	Duration, date of operation, location	Nature of co-operation (executing agency/other agency)
India (cont'd)	Assistance in technical and economic evaluation of petroleum and petrochemical products (SP - IND-117)	4 years; 1971-1974	UNIDO/Division of Natural Resources, United Nations (New York) - UNIDO will undertake the projects related with the technical and economic evaluation of the petrochemical raw materials and part of the oil products (lubricants), market evaluation for petrochemical fuel stocks, procurement of testing equipment and will recruit some of the experts needed for the training programme. Division of Natural Resources will assist by recommending experts and consultants needed for the training programme and to assist UNIDO in the related fellowship programme.
	Second regional symposium on the production of fertilizers (5-01.05)	1971; partly in India, partly in the Union of Soviet Socialist Republics	UNIDO/ECAFE - ECAFE will collaborate with UNIDO as an ECAFE meeting on the same subject has been deferred. Symposium will take place in Kiev (Union of Soviet Socialist Republics) and India pending approval of funds.
	Third Asian trade fair, New Delhi	February/March 1972	UNIDO and ECAFE - discussions are under way for having a common pavilion. ECAFE will provide the services of two staff officers during the fair.
	Seminar on financing of small-scale industries in Asia and the Far East (11.05)	April 1971; New Delhi	UNIDO/ECAFE - UNIDO and ECAFE are co-operating in organizing the meeting in New Delhi.
	Study tour on modern techniques of iron making without coking coal (ECAFE project no. IC2:3-1.8 AIDC 22)	1974	ECAFE/UNIDO - UNIDO interested in this project and informed ECAFE that it is examining preliminary request from India for the establishment of a pilot plant in this field.
Indonesia	Caprolactam plant in Indonesia (ECAFE project no. IC2:3-8.8 - S)	1971	ECAFE/UNIDO - ECAFE to collect preliminary information. UNIDO and ECAFE will look for members to undertake engineering studies. UNIDO project on pre-investment feasibility studies on pesticides and plant hormones in Indonesia by ECAFE in 1971, UNIDO will continue.



**22.7.74**

**2 OF 2**

**DO**

**4 2 3 7**

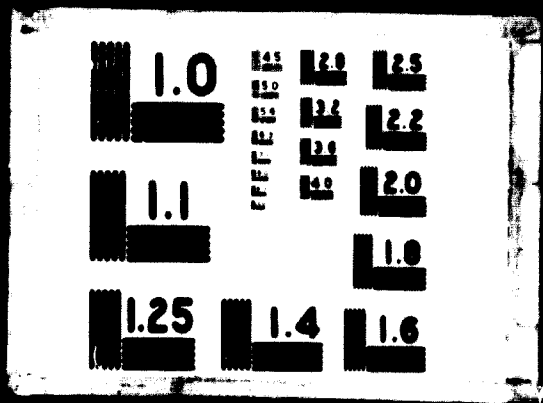


Table 5 (cont'd)  
Region: Asia and the Far East (field projects)

Country	Project title and number	Duration, date of operation, location	Nature of co-operation (executing agency/other agency)
Indonesia (cont'd)	Caprolactam plant in Indonesia (cont'd)	1971	project component 5.03.01 mission to investigate the availability of excess chlorine and its potential use for pesticide production.
	Development of forest based industries (ECAFE project no. IC2:3-1.8 AIDC 9)	1971	ECAFE/UNIDO - UNIDO suggested the fuller use of facilities of the Research Centre in Bandung for research on paper and pulp and possibly for research of rayon fibres.
	Consultancy services to the South East Asia Iron and Steel Institute (ECAFE project no. AIDC 17)		ECAFE/UNIDO - UNIDO expressed interest in ECAFE project. ECAFE to inform UNIDO on the status of the project and also of requests received from the Institute.
Iran	Agricultural machinery manufacture feasibility study mission (to be financed by SIS-70/1102 IRA-34)	Planned 1971	UNIDO/FAO - joint UNIDO/FAO mission planned with two experts for 6 man-months (one expert from each agency, 3 months each) to implement the project. Details of co-operation to be discussed further.
	Institute of Standards and Industrial Research, Karsaj (SP - IRA-34)	5 years; operational 1970	UNIDO/UNESCO - UNESCO has three posts out of ten: mass and volume expert, thermal metrology expert and photometry expert. UNIDO's posts are the following: project manager (chief technical adviser), metallurgy expert (metal testing), electrical metrology expert, metallurgy expert (metal physics), precision mechanics expert, instrument repair expert, and electronics metrology expert. Purpose of projects is to assist, in association with UNESCO, in the establishment and operation of metrology centre within this Institute.
	Industrial information centre	Planned for 1972/1973	Work underway to establish centre in co-operation with RCD countries.

Table 5 (cont'd)

Region: Asia and the Far East (field projects)

Country	Project title and number	Duration, date of operation, location	Nature of co-operation (executing agency/other agency)
Malaysia	Agricultural machinery manufacturing, adaptation and technical service centre (1.01)	1971	UNIDO proposal with ECAFE for possible consideration by the Sixth Ministerial Conference for the Economic Development of South East Asia, Kuala Lumpur, 1971. ECAFE to comment and make recommendations.
Mongolia	Applied research and experimental centre for the leather and leather goods industry, Ulan Bator (SP - MM-6)	3 years; operational 1 January 1971	UNIDO/FAO - the post of the hides and skins improvement expert to be subcontracted to FAO. Purpose of the project is to assist the Government in the organization and establishment of this centre, the activities of which will include research and development work, production design and development, consultancy services, formulation of development programmes and policies, and provision of technical information and documentation services.
Pakistan	Pre-investment studies for the promotion of the fertilizer and petrochemical industries (SP - PAK-26)	Operational 6 June 1967; duration 3 years	UNIDO/FAO - the part of the project dealing with the use of fertilizers is being carried out in co-operation with FAO. UNIDO, in association with FAO, is to assist the Government in developing the fertilizer and petrochemical industries and in promoting the use of these products. Pre-investment studies will be made to assist the Government in its negotiations with potential sources of investment financing. Subcontract activities include studies by FAO in fertilizer promotion, analysis, and studies by private consulting firms in manufacturing processes.
	Assistance in conducting a survey on industrial research activities (SIS 69/653 PAK (6))	6 months; operational 13 November 1969	UNIDO/UNESCO - UNIDO expert is to be invited by UNESCO before reporting.
	Centre for the organization and development of jute industry, Dacca (SP - PAK-48)	3 years; approved January 1969	UNIDO/ILO - UNIDO, in association with ILO, will assist in improving the production of jute mills and in strengthening the industry through research and new projects and reports.

**Table 5 (cont'd)**  
**Region: Asia and the Far East (field projects)**

Country	Project title and number	Duration, date of operation, location	Nature of co-operation (executing agency/other agency)
Pakistan (cont'd)	Centre for the organization and development of jute industry, Dacca (cont'd)	3 years; 1971-1974 (not yet operational)	ILO is associated with the project through provision of expert services for training and upgrading of foremen and supervisors (foreman-supervisor upgrading expert and cost accounting expert). UNIDO/ILO - UNIDO will provide assistance in the reorganization, further development and modernization of the cotton textile industry in Pakistan. It is proposed that the project will be executed by UNIDO in consultation with ILO on some management aspects.
Philippines	Metal industry development centre (SF - PHI-30)	3 years; approved June 1969 (not yet operational)	UNIDO/ILO - the purpose of the project is to assist the Government in establishing a centre to serve the needs of the metal industry in the fields of technical advisory services, quality control, management and technical training, and to guide the Government in formulating its policies for the expansion of this sector of the national economy. ILO will provide a production engineer, management training co-ordinator, vocational training co-ordinator and industrial engineer.
	Regional meeting to promote specific industrial projects (13.09.02)	Manila, 23-30 September 1970	UNIDO/ECAFE - ECAFE contribution: (a) participation of the Executive Secretary as well as of senior staff to the meeting; (b) preparation of comments on project information sheets; (c) staff travel to various Asian countries to stimulate participation in the Manila meeting. UNIDO contribution: (a) participation of Senior Director and UNIDO staff, 3 regional field advisers; (b) preparation of all documentation and project information sheets; (c) preparatory staff travel to 12 Asian and 9 industrialized countries; (d) organization, running and provision of computer and conference services for the meeting.

Table 5 (cont'd)

## Region: Asia and the Far East (field projects)

Country	Project title and number	Duration, date of operation, location	Nature of co-operation (executing agency/other agency)
Republic of Korea	Fine instruments centre, Seoul (SP - KOR-15; SIS 69/673)	2 August 1970	UNESCO/UNIDO - two UNIDO experts have been attached to this project: an expert in electronic equipment manufacture (4m/m) and an expert in electronic components manufacture (4m/m) (posts SIS-012-B and SIS-012-C respectively). At the first UNESCO/UNIDO meeting, it was decided that UNIDO would take an active part in the second phase of the project, which will deal specifically with industrial development.
Singapore	Metal industries development centre (SP - SIM-7)	4 years; operational 1 July 1969	ILO/UNIDO - the purpose of the project is to assist in the establishment of a metal industries development centre; UNIDO is providing experts in: machine tool maintenance; metrology; technical and financial industrial development.
Thailand	Establishment of a soyabean processing industry (SIS 70/860)	4 months; 1971	UNIDO/FAO - UNIDO project consists of 3 parts: agricultural aspects of soyabean production, soyabean processing technology, and marketing. FAO's participation covers the agricultural production of soyabeans.
	Workshops on industrial project evaluation (12.03.04)	1970	UNIDO/ECAFE - project was implemented in co-operation with ECAFE.
Western Samoa	Agricultural machinery manufacturing feasibility study mission (SIS 70/880)	6 weeks in 1971	UNIDO/FAO - the existing FAO field programme in Western Samoa has prepared a preliminary preliminary report on the state of agricultural machinery and implements, which was used for briefing of the UNIDO expert.

**Table 6**  
**Region: Asia and the Far East (regional projects)**

UNIDO project component number	ECAFE project number	Project title	Date and location	Nature of co-operation
<b>Industrial Technology</b>				
1.01		Agricultural machinery manufacture feasibility investigation in the Mekong Region	Under planning	UNIDO/Mekong Committee - this project was requested by the member countries of the Mekong Committee. UNDP has recommended that, due to the present situation in this area, this regional project be postponed for the time being to a later date when it might be feasible to implement the project.
1.01.08		Regional study and expert group meeting on the design and manufacture of wet land (paddy rice) harvesting and threshing machinery in developing countries	1972	UNIDO/ECAFE/FAO - co-ordination with, and participation of, other agencies will be ascertained, i.e. presentation of papers to the expert group meeting. UNIDO to provide further information to ECAFE.
1.02.03		Expert group meeting on the manufacture of electronic components in developing countries	1971/1972	UNIDO to keep ECAFE informed on the progress of the project.
1.02.04		Study and expert group meeting on manufacture of semi-conductors on a sub-regional basis	1972	ECAFE to explore possibilities of host facilities for UNIDO meeting to be held in the ECAFE region.
1.04.03		Promotion of machine tool industries	Europe-Middle East - 1971 ECAFE - 1973	ECAFE requested UNIDO's consideration of establishing a similar project for ECAFE region after 1972.
1.05.03		Utilization of idle shipbuilding and repair facilities	1970/1971	Study undertaken by UNIDO. ECAFE to provide UNIDO with additional information for the preparation of the final report.
2.01.01		Expert group meeting on alumina and aluminium production in developing countries	Postponed from 1970 to 1972/1973	UNIDO to provide ECAFE with a complete set of documentation and ECAFE to assist in negotiating host facilities.



Table 6 (cont'd)

Region: Asia and the Far East (regional projects)

UNIDO project component number	ECAFE project number	Project title	Date and location	Nature of co-operation
<u>Industrial Technology (cont'd)</u>				
2.01.02		Seminar on complex titanium iron ore	1971; Union of Soviet Socialist Republics (report to be published in 1972)	Subject to UNDP approval of the project, UNIDO will invite ECAFE to participate in the seminar. ECAFE indicates that the Philippines might also participate in view of its particular interest in the subject.
3.07.01		Meeting of the heads of building materials research and development organizations	3-17 March, 1971; Melbourne, Australia	UNIDO/ECAFE, UNCHBP - ECAFE co-ordinates programme preparation of the meeting with UNIDO and UNCHBP. Organizational aspects are to be dealt with by ECAFE while UNIDO is to provide financing and background documents. UNIDO also to submit discussion papers on building materials research.
4.05.01		Expert work group on pulp and paper	1971; Vienna	UNIDO to inform ECAFE of the findings and recommendations of the expert group as soon as possible so that the ECAFE working group on similar projects, planned for 1972, can benefit from this information.
4.05.02 (Priority B)		Workshop on pulp and paper technology for South East Asia	1972	Since ECAFE has a similar project planned for 1972, it was suggested that the two projects be combined. ECAFE will suggest location for workshop. UNIDO and ECAFE will discuss further on the mode of co-operation.
5.01.01		Survey of pesticides production possibilities in selected ECAFE countries	1971	UNIDO/ECAFE - This project includes a market study of pesticide and plant hormone and the feasibility of introducing new production lines in this area. ECAFE is to generate the necessary requests from countries. The project was approved by AIDC.
5.04.03		Expert group meeting on future trends and competition between natural and synthetic rubber	1971; Vienna	ECAFE expressed interest in the results of this UNIDC meeting.

UNIDO  
ECAFE

Table 6 (cont'd)  
Region: Asia and the Far East (regional projects)

UNIDO project component number	ECAFE project number	Project title	Date and location	Nature of co-operation
<u>Industrial Technology (cont'd)</u>				
5.04.05		Symposium on the use of plastics in agriculture	1972; ECLA region	ECAFE expressed interest in the project and provides a follow-up.
5.04.08		Information paper on a project for the establishment of a plastics technology centre	1971/1972	ECAFE and UNIDO to exchange information on the preparation of a paper on the subject.
5.04.10		Visit of consulting team for petrochemical and plastics industries	1971/1972	ECAFE expressed interest. ECAFE will recommend a country for the first visit of the team.
6.01.04		Expert group meeting on new yarn production and modification techniques	1972; United Kingdom	ECAFE showed interest. UNIDO to keep ECAFE informed and invite its participation.
6.02.05	IC2:3-1.8 AIDC 14-	Expert group meeting on oils and fats ECAFE: interregional seminar on optimum plant utilization in the oilseed processing industry	1972; ECAFE region or Vienna	Preparatory work in 1971 to be undertaken in collaboration with ECAFE.
6.03.04		Expert group meeting on the selection of woodworking machinery	1972	ECAFE interested in both meetings. ECAFE could collaborate by preparing papers for each meeting. UNIDO will keep ECAFE informed on the preparatory work.
6.03.05 Priority B		Expert group meeting on the manufacture of adhesives for the wood processing industries		
<u>Industrial Services and Institutions</u>				
7.03.01		Training workshop for senior personnel of patent offices in Asia	2 weeks in 1972; Bangkok	UNIDO/ECAFE/WIPO (formerly BIRFI) - ECAFE will be requested to provide the host facilities for the training workshop. The workshop will be planned and organized in close co-operation with WIPO. WIPO will be asked to provide one of the instructors for the workshop.

Table 6 (cont'd)

Region: Asia and the Far East (regional projects)

UNIDO project component number	ECAFE project number	Project title	Date and location	Nature of co-operation
<u>Industrial Services and Institutions (cont'd)</u>				
8.01.02		Expert group meeting for the stimulation of industrial research activities	1971	UNIDO will send agenda to ECAFE for comments.
8.02.05	IA2:3-1.5	Industrial standardization: training workshop on metrology	2 weeks in 1971; ECAFE region	UNIDO/ECAFE - the training workshop will be organized by UNIDO in co-operation with ECAFE and possibly UNESCO. ECAFE and UNESCC will be requested to present papers on their activities in the field of metrology in the Asian region and to participate in the discussions of the workshop.
8.02.03		Regional training workshop on quality control in Asia	1 week in 1972	UNIDO/ECAFE - the training workshop will be organized by UNIDO in close co-operation with ECAFE. ECAFE will be requested to provide host facilities and to contribute in the execution of participating in the discussions of the workshop.
9.01.05		Promotion and organization of the exchange of industrial information	1970	Project completed. Draft final report sent to ECAFE for comments.
9.03		Industrial inquiry and advisory services	Continuing	UNIDO to send all inquiries and answers relating to ECAFE region to ECAFE.
10a.01.05		Outline for a detailed long-term programme for industrial training	1969-1971	UNIDC will submit its outline for comments to ECAFE in early 1971.
10b.03		Organization analysis	1971-1972	ECAFE to participate in the field studies and expert group meetings to be organized by UNIDO.
11.03.05		Low cost automation - training programme	1 week in September 1970; Manila	ECAFE/UNIDC - ECAFE prepared training material and participated in seminar. UNIDC organized a preliminary training seminar on low-cost automation for small industries, organized by ECAFE for seven participants from Asian countries.

Table 6 (cont'd)  
Region: Asia and the Far East (regional projects)

UNIDO project component number	ECAFE project number	Project title	Date and location	Nature of co-operation
<u>Industrial Services and Institutions (cont'd)</u>				
11.03.05		Roving seminar on low cost automation in five developing countries in Asia	1971	ECAFE/UNIDO - as follow-up of a preceding meeting ECAFE proposed to organize, during 1971, a seminar to be held in 5 developing countries in Asia. The training will be provided through the use of mobile equipment and will relate to selection of equipment and methods for combining automation with existing plant facilities. UNIDO to support the ECAFE project, which will be submitted for financing under UNDP/TA.
11.04.06		Meeting on the promotion of small industries in the RCD countries	11-17 April 1971	UNIDO/RCD - UNIDO will organize in co-operation with the secretariat of the Organization for Regional Co-operation and Development (Iran, Pakistan and Turkey) and the Government of Iran, a meeting on the promotion of small industries in the RCD countries. Besides government officials, representatives of the business community will also participate. The RCD secretariat will co-operate in joint planning of meetings. UNIDO will finance the project from the UNIDO General Trust Fund.
11.05		Regional meeting on financing of small-scale industry in Asia and the Far East	5-10 April 1971; New Delhi	UNIDO/ECAFE/Government of India - the purpose of the seminar is to induce the Governments of the region to develop and improve systems of financing of small-scale industry. The seminar will be attended by participants from 18 countries, representatives from ILO, APO, IBRD, ADB and observers from the region or outside the region. ECAFE will co-operate in joint planning of meetings through participation by its staff members. UNIDO to finance from UNDP/TA funds.

Table 6 (cont'd)

Region: Asia and the Far East (regional projects)

UNIDO project component number	ECAFE project number	Project title	Date and location	Nature of co-operation
<u>Industrial Policies and Programming</u>				
12.01.01		Summaries of national development plans	Continuing 1969-1972	ECAFE expressed interest in project. UNIDO to provide summaries which supplement ECAFE's work programme. ECAFE interested in future preparation of summaries.
12.01.02		Problems and techniques related to the selection of priority industries	1971	Project complements ECAFE's work programme; ECAFE co-operation to be determined.
12.01.06		Appraisal of performance and achievements of industrial plans under the Second Development Decade.	1971-1972	ECAFE expressed interest in project. UNIDO to provide summaries which supplement ECAFE's work programme (follow-up UNIDO agreement with ECAFE of 2 July 1970).
12.02.02		Development of national industrial programming data	1972	ECAFE renewed interest in the project; ECAFE collaboration to be determined.
12.03		Industrial project evaluation	1971	ECAFE expressed interest in the project and agreed to initiate requests for technical assistance.
12.04.01		Workshop on project implementation	1971-1972	ECAFE to ascertain the interest of Asian institutes of planning and development for holding the workshop in the ECAFE region and inform UNIDO of the situation.
12.05		Planning for regional industrial co-operation	1971-1972	ECAFE to send its case studies to UNIDO for comments. UNIDO to send draft of study made for a group of African countries to ECAFE for information and comment.
13.01		Second Asian conference on industrialization 1970; Tokyo		ECAFE/UNIDO - the conference was organized by ECAFE in co-operation with UNIDO. UNIDO participated in the conference and provided a number of papers.
14.01.01		Supply and demand of export promising manufactures and semi-manufactures	1971-1972	Nature of co-operation to be determined later.

\* Table 6 (cont'd)  
Region: Asia and the Far East (regional projects)

UNIDO project component number	ECAFE project number	Project title	Date and location	Nature of co-operation
<b>Industrial Policies and Programming (cont'd)</b>				
14.02.03		Establishment of free ports and free-zones as an incentive to promote export-oriented industries	1971-1972	Nature of co-operation to be discussed later.
14.03.01		Training programme in export production techniques	1971	ECAFE informed UNIDO about its training programme.
14.03.02		Utilization of excess capacity in developing countries for export	1971	ECAFE expressed interest in this project; possible co-operation.
14.05.01		Programme of product adaptation and development	1971-1972	ECAFE expressed interest in project; nature of co-operation to be determined.
	IC2:3-1.8	Follow-up on: pre-investment feasibility study in the South-East Asian Petrochemical Complex	1971	ECAFE to send UNIDO report on the subject matter. UNIDO expressed interest in following up.
	IC2:3-1.8 AIDC 13 AIDC 22	Development of engineering industries: pre-investment feasibility survey on four-wheel riding tractors; small engines for agricultural purposes; two-wheel power tillers	1971	UNIDO supports ECAFE proposals. ECAFE to prepare draft request to be forwarded to countries concerned in order to facilitate the work of Governments in submitting official requests to UNDP.
	IC2:3-1.8	(a) Asian farm equipment demonstration on rice farming in Asia	1972	UNIDO is interested in the project; details to be worked out at later date.
		(b) Technical study team on riding paddy tractors and powered paddy and wheat threshers	1972	To be taken up by ECAFE and co-ordinated with 1972 work programme of UNIDO.
	IC2:3-3.1	Survey of non-ferrous metal fabrication industry	1971	UNIDO would support project if project programme was reoriented towards specific problems of the industry leading towards business investment or transfer of technology.
	IC2:3-3.1	Assistance to Government: rationalization and modernization of electrical equipment manufacturing units	1972	UNIDO will consider favourably requests initiated by ECAFE.

Table 6 (cont'd)

Region: Asia and the Far East (regional projects)

UNIDO project component number	ECAFE project number	Project title	Date and location	Nature of co-operation
<u>Industrial Policies and Programming (cont'd)</u>				
	IC3:4-3	Development of electrical manufacturing industries: collection and dissemination of information	1973	UNIDO requested ECAFE to provide information on the subject.
	AIDC 16	Development of iron and steel industry	1971	Collaboration to be determined after review by UNIDO of the report on the first mission in the Mekong Basin countries.
	AIDC 18	Survey mission on establishment of a regional centre to supply future needs of steel billets	1971	Orientation of the project to be discussed further by UNIDO and ECAFE. UNIDO supports the project.
	AIDC 19	Establishment of a small iron and steel industry	1971	Assistance to be given on a national basis, project to be financed under UNDP.
	IC2:3-1.8	Mission on palm oil industry	1971	UNIDO supports project on the condition that it covers a limited number of countries and an in-depth study is made of each country. The UNIDO regional adviser will participate in the mission.
	IC2:3-1.8 AIDC 9	Implementation of the recommendations of the senior officers' consultations in forest based industries	1971	ECAFE will keep UNIDO informed on the progress of the project and will request the participation of a UNIDO staff member in the fact-finding mission.
	A2:3-1.3	Application of science and technology	1971	UNIDO expressed interest in project. The establishment of a regional industrial information centre to be examined by ECAFE and UNIDO.
	IA2:3-1.4	Industrial research	Continuing	UNIDO to keep ECAFE informed on progress achieved in specific industrial research institutes.
	IC2:3-2.1	Group missions	1971	Request from countries under EID program will be initiated by ECAFE.

1973  
1971

Table 6 (cont'd)  
Region: Asia and the Far East (regional projects)

UNIDO project component number	ECAFE project number	Project title	Date and location	Nature of co-operation
<u>Industrial Policies and Programming (cont'd)</u>				
		Studies on problems faced by small-scale industries	1972	UNIDO's project under 1972 work programme (industrialization beyond the metropolis) is related to this project. UNIDO will seek close co-operation with ECAFE. Nature of co-operation to be determined.
IC2:3-1.6		Planning and development of export industries	1971	Nature of co-operation to be discussed later.
IC2:3-1.8 AIDC 11		Expert study group on the coconut industry	1971	UNIDO to explore nature of co-operation.
IC2:3-1.8 AIDC 13		Meeting on the development of agro-industries	1971	UNIDO recommends an exploratory mission, instead of a meeting, to be organized by UNIDO with ECAFE's co-operation.
IC2:3-1.8 AIDC 9		Organization of roving seminar on agricultural machinery, tools and equipment	1972	ECAFE to provide UNIDO with information on the subject.
IC2:3-1.9		Development of industrial management	1971-1972/1974	(a) UNIDO is interested in the meetings on the improvement of managerial efficiency in industrial enterprises and on the application of operations research to industries in developing countries. ECAFE interested in preparing study in co-operation with UNIDO.
IC2:3-2.2		Regional co-operation in the field of small-scale industries	1971	UNIDO submitted its comments to ECAFE for follow-up.



## EUROPE AND THE MIDDLE EAST

### *Europe*

82. In 1970, UNIDO provided technical assistance to twelve European countries.<sup>8/</sup> Requests for assistance from the Governments of countries in the region have been increasing during recent years in such industries as ferrous and non-ferrous metallurgy, plastics, petrochemicals, basic chemicals and electronics. There has also been a considerable number of requests for assistance in industrial management, particularly with regard to the introduction of modern methods and techniques. The same countries have also placed great emphasis on training, and the major part of UNIDO's fellowship programme reflects the demands from the countries in the European region for fellowships.

83. In Yugoslavia, UNIDO is the executing agency for a UNDP/SF project entitled Centre for Industrial Organization and Development. This project is being implemented by UNIDO in co-operation with ILO. The purpose of the Centre is to provide assistance to the industrial executives in solving operational problems and to assist them in the utilization of modern management techniques. The Centre is also expected to provide the management of the industrial plants with advice in the areas of new production technology, market research and export promotion. The contribution of ILO is to train local managerial personnel in the Kosovo region. In Poland, UNIDO is providing assistance to the Government, in co-operation with ILO, in the reorganization and improvement of management systems in both older and in newly designed plants. In the implementation of a UNDP/SF project by FAO in Yugoslavia on the development of forestry and forest industries, UNIDO is assisting in the field of quality control for wood products as well as in the fields of furniture and joinery. In Turkey, UNIDO is the executing agency for two UNDP/SF projects, namely In-plant Training Centre for Engineers and Small Industries Development Programme. In implementing these projects, UNIDO will be co-operating with ILO and UNESCO. A feasibility study for the manufacture of agricultural machinery in Turkey is being planned by UNIDO in co-operation with FAO experts there.

### **Programme co-operation between UNIDO and the industrialized countries in Europe**

84. While several Governments in the European region have benefitted from the assistance provided to them by UNIDO, these countries and some other more highly industrialized countries in the region have assisted UNIDO by providing host facilities for its technical meetings and training facilities for its fellows. The Government of Austria, for example, apart from providing host facilities for UNIDO headquarters, has assisted UNIDO in organizing a training programme on plastics technology which benefitted engineers, scientists and technologists from fourteen developing countries. The Government of the Federal Republic of Germany hosted a major UNIDO symposium on maintenance and repair in Duisburg in October 1970. The symposium, which was sponsored by UNIDO in co-operation with the German Foundation for Developing Countries and the German Association of Machinery Manufactures, was attended by over 150 participants from 63 developing countries as well as by representatives from technical and industrial institutions interested in maintenance problems.

<sup>8/</sup> Albania, Bulgaria, Cyprus, Greece, Hungary, Iceland, Malta, Poland, Romania, Spain, Turkey, and Yugoslavia.

85. The Government of the Union of Soviet Socialist Republics has assisted UNIDO in providing host facilities for a number of large meetings and technical seminars organized by UNIDO during the last several years as well as providing facilities for training. Training programmes in iron and steel for technicians from the developing countries have become a yearly feature of the programme of co-operation between the Government of the Union of Soviet Socialist Republics and UNIDO. In addition, the Government of the Union of Soviet Socialist Republics provided host facilities to other training programmes such as a training programme for industrial information officers in Moscow. This training programme was organized by UNIDO in 1970 in co-operation with UNESCO. Arrangements are now being made for organizing a Second Interregional Symposium on the Production of Fertilizers, to be held in 1971 partly in Kiev and partly in New Delhi. Furthermore, the organization of technical meetings, training programmes, preparation of papers as well as the supply of industrial equipment have been facilitated by the allocation to UNIDO through the Annual United Nations Pledging Conference on UNIDO of substantial funds in Soviet currency.

86. Host facilities for organizing technical and professional meetings by UNIDO have also been provided by a number of other countries such as Bulgaria, France, Hungary, Italy, the Netherlands and Romania. A training programme in industrial surveys was organized by UNIDO in 1970 in Sussex, United Kingdom, in co-operation with the Government of the United Kingdom and the University of Sussex. References to these and other host facilities provided by the Governments in Europe to UNIDO's technical meetings are referred to in appropriate places in the work programme documents ID/B/80 and ID/B/80/Add. 1 to 3.

87. The Government of Switzerland continues to support the Seminar on UNIDO Operations in which senior officials in the ministries of industry in the developing countries participate. This programme has been made possible through a grant by the Government of Switzerland. The programme consists of training at UNIDO headquarters, visits to plants in Switzerland and discussions with senior personnel in the ministries and organizations connected with industrial development in Switzerland.

88. Another important feature of co-operation between UNIDO and the host Governments in Europe is the establishment of two interregional training programmes: one in the textile industry in Poland and the other in the electric and electronic industries in the Netherlands. Arrangements have been made for providing, on a continuing basis, in-plant training programmes in Poland and the Netherlands to technicians from the developing countries. A special formula for the organization and financing of these projects has been developed which consists of a triangular arrangement between a given enterprise in a developed country, the Government of that country and UNIDO and UNDP. The two interregional projects mentioned above have been established as UNDP/SF projects for a duration of three years. Similar projects in the field of training and repair and maintenance are under discussion with the Governments of the Federal Republic of Germany and Italy.

#### **Programme co-operation between UNIDO and ECE**

89. A representative of ECE visited Vienna in December 1970 at the request of UNIDO for programme discussions. This was the second annual discussion with ECE for co-ordinating and harmonizing the work programme of UNIDO with that of ECE in the field of industry. In view of the nature of work of ECE in industry, the programme discussions were concerned primarily with

exchange of information, participation in meetings, and co-operation in the preparation of a certain number of documents. The nature of co-operation between UNIDO and ECE, as agreed to between the two organizations, is contained in tables 7 and 8 below. The co-operation envisaged for 1971 and 1972 touches on major programme areas such as human environment, a study of the impact of structural changes in the European industry, industrial inquiry and advisory service, licencing and patents. ECE is contributing to the work of UNIDO by participating in UNIDO meetings and by preparing documentation in areas in which it is active, namely iron and steel, chemicals, building materials and environmental engineering. ECE has continued to provide assistance to UNIDO during 1970 in the placement of UNIDO's fellows in the European industries.

90. In view of the increasing importance attached by UNIDO to promotional activities, co-operation needs to be intensified with the European industrial organizations, investment institutions and technological and scientific organizations. In this connexion, ECE was invited to assist UNIDO in further strengthening UNIDO's links with the technology transfer centres, information institutions and with the financing institutions in the different European countries.

Table 7  
Regions: Europe (field projects)

Country	Project title and number	Duration, date of operation, location	Nature of co-operation (executing agency/other agency)
Austria	Expert working group on essential oils (4.04.01)	1972; Vienna	UNIDO/FAO - UNIDO expert working group will discuss the preparation of essential oils, their use in industry, marketing and analysis and specification of products. FAO will be requested to prepare papers on cultivation and harvesting of plants and flowers.
	Expert working group meeting on pulp and paper (4.05.01)	1971; Vienna	UNIDO/FAO/regional economic commissions - FAO will be invited to present a paper and send a representative to the meeting. The regional economic commissions will also be invited to attend.
	Expert working group on water-salt chemicals complex (4.02.02)	1971; Vienna	UNIDO/IAEA - the UNIDO meeting will discuss the production of salt from seawater and the development of a programme of assistance to developing countries. IAEA will be invited to participate.
Bulgaria	Workshop on promotion of machine tool industry in developing countries of Europe and the Middle East (1.04.03)	June-July 1971	UNIDO/ECE - ECE is interested in attending the workshop and may prepare a paper. UNIDO to forward the details of the workshop to ECE at an early date and ECE will consider a topic for the paper.
Cyprus	Assistance in export development (70/935 CYP-12)	1970	UNIDC/UNCTAD, UNCTAD/GATT/ITC - assistance to the Government in the promotion of exports. Two experts, one provided by UNIDO, the other by UNCTAD/GATT/ITC, will work together in providing the assistance required.
Denmark	Interregional seminar on cement manufacture (3.01.01 (ID/B/64/Add.3))	1972	UNIDO/UNCHBP/regional economic commissions/ILO/IDCAS/UNESOB - joint planning of the seminar and co-ordination of the agenda is expected with UNCHBP and the regional economic commissions. UNCHBP and ILO and some regional economic commissions are expected to contribute papers and background documents.

Table 7 (cont'd)

## Region: Europe (field projects)

Country	Project title and number	Duration, date of operation, location	Nature of co-operation (executing agency/other agency)
Poland	Assistance in reorganization and improvement of management systems in existing and newly designed plants (SIS 69/560/Rev.1 POL-3)	21 months; 1970	UNIDO/ILO - this project to be implemented by using the services of a consulting firm, whose experts will be briefed by UNIDO and ILO.
Romania	Industrial co-operation for export between developed and developing countries (14.02.01)	June 1970; Bucharest	UNIDO/UNCTAD - UNCTAD sent an observer to the meeting. Further co-operation is envisaged on an <u>ad hoc</u> basis.
Switzerland	Application of numerically controlled machine tools and their economic and social limits by ECE in 1972 (ECE seminar)	1972; Geneva	ECE/UNIDO - UNIDO will submit the results of discussions of the Bulgarian meeting (1.04.03) to the ECE seminar on application of numerically controlled machine tools, and may participate in the preliminary group.
Turkey	Agricultural machinery manufacture feasibility study (to be financed under SIS)	3 months 1971; not yet approved	UNIDO/FAO - in carrying out his assignment, the UNIDO expert is to consult and secure the necessary co-operation of existing FAO field expert.
	In-plant training centre for engineers (SF - TUR-29)	5 years; approved January 1968; not yet operational; Kirikkale	UNIDO/ILO/UNESCO - consultations are being held with ILO and UNESCO on the Plan of Operations. Preliminary operations began in November-December 1968.
	Small industries development programme (SF - TUR-25)	Plan of Operations signed in June 1970; operational 24 September 1970	UNIDO/ILO - in connexion with the establishment of a small industry development centre at Gaziantep and the construction of a demonstration industrial estate, provision is made for associating ILO with the implementation of training programmes and advisory services. financing and accounts (2/24 m/m), in addition to the provision of 16 man-months of short-term consultants.
	Central research and training institute for hides, skins and leather (SF - TUR-30)	5 years; operational 29/12/1970; Istanbul	FAO/UNIDO - UNIDO is associated with the execution of this project through the provision of 2 expert posts: leather goods manufacturing (24 m/m), and footwear manufacturing (12 m/m).

Table 7 (cont'd)  
Region: Europe (field projects)

Country	Project title and number	Duration, date of operation, location	Nature of co-operation (executing agency/other agency)
Union of Soviet Socialist Republics	Interregional seminar on basic chemicals (4.01.01)	1971-1972	UNIDO - the seminar to include papers by UNCTAD, ILO, ECLA, ESCAPE and ECE, in addition to UNIDO secretariat papers. The meeting will be concerned with the production of basic chemicals in developing countries.
	Training course of industrial information officers and documentalists	28 September - 23 December 1970; similar course is planned for 1971 and 1972	UNIDO/UNESCO in co-operation with the Government of the Union of Soviet Socialist Republics - joint consultation with UNESCO on selection of candidates. UNESCO contributed towards cost of the meeting.
United Kingdom of Great Britain and Northern Ireland	Seminar on the production of multi-material houses incorporating plastics (3.03.02; Priority B)	1972	UNIDO/UNCHRP/FAO/regional economic commission/UNESOB - UNIDO plans to co-ordinate the programme of the meeting with UNCHRP, and expects to receive papers and background documents (on the use of local building materials in low-cost housing, possibly in conjunction with plastics) from this organization.
Yugoslavia	Development of forestry and forest industries (SP - YUC-10)	4 years; 1969-1972; operational 14/8/69	FAO/UNIDO - UNIDO responsible for post of quality control expert (wood products) within the SF project, plus consultancies in the field of furniture and joinery.
	Centre for industrial organization and development (SP - YUC-11)	3 years; 1970-1973	UNIDO/ILO - the primary objective of this project is to provide assistance to the industrial executives in solving operational problems in planning and decision making, preferably by the utilization of modern management techniques and by the use of consultants whose skills must be developed concurrently. It is anticipated that the ILO participation would be concerned with the development of local managerial resources to support regional economic development in the Kesovo province.

Table 8

Region: Europe (regional projects)

UNIDO project component number	Project title	Date and location	Mature of co-operation
<u>Industrial Technology</u>			
1.01	Development of agricultural machinery and implements industry	1971	It was agreed that UNIDO will forward to ECE a short paper on UNIDO's activity in the field of agricultural machinery with a view to establishing a closer liaison with ECE's working party.
1.04.01	Meeting on the development of metalworking industries in Latin America	1972	The participation of ECE to be discussed at a later date, and preliminary information on the meeting to be exchanged.
3.03.01	Expert group meeting on the use of plastics in the building industry	2nd quarter 1971	UNIDO/UNCHBP - UNIDO to co-ordinate the programme of the meeting with UNCHBP, which will contribute papers and background documents (use of plastics in low-cost housing).
3.05.01	Seminar on prefabrication in Africa and the Middle East	1971	ECE to participate by sending an observer.
3.06.01	Studies in building materials industry	1971	ECE's new project "Application of novel scientific methods of management and of advanced technology in the development and production of building components and in construction" (07.2.2(f)) would tie in with UNIDO's project 3.06.01. It was agreed to exchange information on this subject.
5.01.01	Prospects for fertilizer development facilities (east ECE region)	1971	ECE will assist a UNIDO consultant in preparing this directory, for which UNIDO has committed 3 man/months.
5.01.02	Meeting for the development of fertilizer and pesticide industries	September 1972; Geneva	The meeting will be organized by UNIDO with the co-operation of ECE.
5.01.05	Second interregional fertilizer symposium	September/ October 1971	ECE will participate in the symposium, which will be held partly in Kiev, Union of Soviet Socialist Republics, and partly in New Delhi, India.
5.04.05	Symposium on the use of plastics in agriculture	1972	ECE to consult with their divisions and advise on the co-operation. UNIDO will send ECE a short paper on proposals it envisages for the use of plastics in agriculture.

Table 8 (cont'd)  
Region: Europe (regional projects)

UNIDO project component number	Project title	Date and location	Nature of co-operation
<u>Industrial Services and Institutions</u>			
7.04.02	Licensing requirements of developing countries	1972	UNIDO is planning to undertake a study (which could be carried out jointly by UNIDO and ECE) on contract practices in commercial transfer of technology from enterprises of developed to those of developing countries. It was suggested that each organization may allocate two man/months to such a joint project.
9.03	Industry inquiry and advisory service	Continuing	UNIDO to continue to renew possibilities for further co-operation with ECE.
10a	Placement of UNIDO in-plant training programmes fellowship holders in European industry	Continuing	ECE is already serving UNIDO in the placement of UNIDO fellows in Europe; existing ECE assistance will be reviewed and possible ways of further assistance elaborated.
11.0	Industrial extension services	Continuing	UNIDO's activities in this field could be of interest to ECE. UNIDO will prepare and send to ECE background information for possible co-operation.
11.06.01	Subcontracting	1971/1972	
15b.01	Industrial branch reports	1971	UNIDO will provide information on individual branches at the request of ECE and would like to be kept informed of further developments on their study on manufacturing structures in Europe.
15b.01.01	Iron and steel industry branch report; impact of major steel projects on the steel industry of developing countries	1971	UNIDO will keep ECE informed of the progress of its own studies on the subject and make available data relating to developing countries. Further co-operation will be discussed at a later stage.
15b.02	Industrial perspectives during the Second Development Decade	1971	UNIDO will provide information on individual branches at the request of ECE and would like to be kept informed of further developments on their study on manufacturing structures in Europe.
15b.02.10	Construction industry perspective study	1972	UNIDO/ECE - the Environment and Housing Division of ECE would like to be kept informed concerning the study, since a similar study features in its programme of work.



Table 8 (cont'd)

Region: Europe (regional projects)

UNIDO project component number	Project title	Date and location	Nature of co-operation
<u>Industrial Services and Institutions (cont'd)</u>			
15b.03.02	Environmental engineering	1971	Consultations have already been held between the UNIDO and ECE secretariats. UNIDO to participate in the ECE conference on problems relating to environment, which will be held in Prague (May 1971).
ECE project	Production and exports of mechanical engineering goods	1971-1972	ECE is preparing a study and will include a special chapter on requirements of engineering products in non-European developing countries. ECE will forward this chapter to UNIDO for comments. UNESOB is also preparing a paper on the machine tool industry in the Middle East countries.
ECE project	Application of numerically controlled machine tools and their economic and social limits	1972	ECE proposes to hold a seminar in Geneva in 1972. The preparatory group for this seminar will meet in Geneva either by the end of 1971 or by early 1972. ECE wishes UNIDO to participate in this preparatory group meeting and discuss the results of the Bulgarian meeting (1.04.03).
ECE project	Market trends and prospects for chemical products	1971	ECE will send UNIDO the study for comments, and UNIDO will contribute material for the chapter on fertilizers.
ECE project	Meeting on olefin products	1972; Czechoslovakia	UNIDO is interested in participating and contributing technically to the meeting. ECE and UNIDO will exchange reports and studies. UNIDO takes a particular interest in the studies on the pattern of use of plastic materials and development of phosphoric acid industry.
ECE project	Automation	1971	UNIDO suggested that ECE include in their study a chapter on the use of computers in the design and operation of chemical, petrochemical and fertilizer plants.
ECE project	Environment and housing	Continuing	UNIDO wishes ECE to include in their future programme the subject of environment and pollution for the Chemical Committee (particularly fertilizers and petrochemical industries). This matter may be raised in the next meeting of the Chemical Committee.

Table 8 (cont'd)

Region: Europe (Regional projects)

UNIDO project component number	Project title	Date and location	Nature of co-operation
<u>Industrial Services and Institutions (cont'd)</u>			
ECE project	Role of the construction industry and its relationship to other branches of the national economy	1971-1972	UNIDO/ECE discussions on the subject have been held, and further consultations are envisaged.

### *Middle East*

91. In 1970, UNIDO provided technical assistance to twelve countries in the Middle East.
92. In 1970, UNIDO implemented 32 projects in this region, including four UNDP/SF projects. The requests for assistance from countries of this region showed a substantial increase over previous years and this growth is expected to continue, especially as a result of UNIDO long-range programming missions. In 1970, missions were completed in Lebanon, Saudi Arabia and Syria. Future missions will establish a long-range programme with Iraq, Kuwait and Qatar. The requests received covered all main groups of UNIDO activities. Considerable interest has been expressed by the countries in this region for production of agricultural machinery, maintenance and repair of industrial equipment and packaging.
93. During the period under review UNIDO implemented a number of projects in the Middle East in co-operation with UNESOB, ILO, FAO and UNESCO and the Industrial Development Centre for Arab States (IDCAS). In Iraq, FAO experts are assisting UNIDO experts in the design, development and product evaluation of a number of agricultural machinery items. In Jordan, UNIDO is executing the UNDP/SF project entitled Centre for Industrial Development; ILO is concerned with the establishment and operation of a development and productivity department within the Centre. UNIDO will provide several experts to the Centre for Housing and Construction, a UNDP/SF project in Damascus, Syria, implemented by the United Nations Centre for Housing, Building and Planning.

#### **Programme co-operation between UNIDO and IDCAS**

94. Following the agreement signed by the Executive Director of UNIDO and the Secretary General of IDCAS in 1969, joint programmes of work were established for 1970 and 1971. These programmes have been largely financed from the voluntary contributions provided to UNIDO by the member Governments in the Middle Eastern and North African regions and by IDCAS itself. The programmes envisaged by UNIDO in co-operation with IDCAS in 1971 include the organization of a number of training programmes, undertaking industrial surveys of selected countries in the region, the organization of technical meetings and the preparation of a number of industry sectoral studies.
95. A Training Workshop on Industrial Project Implementation was organized by UNIDO and IDCAS in Beirut, Lebanon, in August 1970, in which officials from fourteen countries participated. The training programme was concerned with the techniques applicable to various stages of project implementation, including detailed project design and planning, bidding and contracting, construction of the plant and starting up production. Another meeting dealing with selected aspects of industrial policies was organized jointly by UNIDO, UNESOB and IDCAS in Beirut in 1970. Senior government officials directly engaged in the formulation of industrial policies participated in the meeting. For 1971, training programmes for industrial administrators, senior management personnel in selected industries, and industrial information officers are planned. In addition, an Industrial Manpower Development Conference to deal with policies for industrial training is planned to be held in Syria in July 1971.

---

2/ Abu Dhabi, Bahrain, Dubai, Iraq, Jordan, Kuwait, Lebanon, People's Democratic Republic of the Yemen, Qatar, Saudi Arabia, Syria and Yemen.

96. The Second Industrial Development Symposium for the Arab States, to be co-sponsored by UNIDO, IDCAS, and the Government of Kuwait, is to be held for one week in October 1971 in Kuwait. The First Industrial Development Symposium for the Arab States was held in 1966 and one of its recommendations was the establishment of the Industrial Development Centre for the Arab States (IDCAS). The Second Symposium will deal with the following topics: financing of industrial development, training and formulation of manpower for industry, export of industrial products, identification of industrial investment opportunities, long-term industrial development requirements and international aid for industry in Arab countries.

#### **Programme co-operation between UNIDO and UNESOB**

97. During 1970, UNIDO took the initiative of promoting, in co-operation with UNESOB, two different programmes in this region. One was concerned with the manufacture of agricultural machinery and the other with the maintenance and repair of industrial equipment. Following the discussions held between UNIDO and a number of government officials, several countries have submitted requests to UNIDO for assistance in manufacturing agricultural machinery. The response received by UNIDO in regard to the maintenance and repair programme was not as marked as in the case of the programme of manufacture of agricultural machinery.

98. As a result of the work programme discussions in Vienna (December 1970) between UNIDO and the Director of UNESOB, a programme of co-operation has been evolved between UNIDO and UNESOB for 1971 and 1972. Details of programme co-operation are contained in tables 9 and 10 below. UNIDO is financing the staff attached to the UNESOB Industry Unit as well as the regional industrial adviser. This Unit, along with the Industrial Development Field Adviser and other officials of UNESOB, as appropriate, form the nucleus for implementing regional and interregional industrial projects in the Middle Eastern countries.

99. In the 1971/1972 programme of co-operation between UNIDO and UNESOB, emphasis has been placed on agricultural machinery and implements, construction of building materials, manufacture of pharmaceuticals and fertilizers, development of national industrial programming data, appraisal of performance of achievements of industrial planning under the Second United Nations Development Decade, as well as on the organization of training workshops on project implementation, financial analysis and planning techniques for industrial projects and a meeting on trade promotion.

Table 9

## Region: Middle East (field projects)

Country	Project title and number	Duration, date of operation, location	Nature of co-operation (executing agency/other agency)
Iraq	Agricultural machinery design, development and product performance evaluation (SIS 70/983 IRAQ-15)	12 months in 1971	UNIDO/FAO - the UNIDO expert will seek the co-operation of existing FAO field personnel of a FAO project "Greater Mesopotamian Project" in carrying out his assignment. FAO experts will advise on factory mechanization aspects of the project.
Jordan	Centre for industrial development (SP - JOR-13)	4 years; approved January 1967; operational 18 July 1968; Amman	UNIDO/ILO - in this project the ILO is concerned with advising and assisting the centre in the establishment and initial operation of a management development and productivity department. This department has provided training and consultancy for Jordanian industry.
Lebanon	Working group of experts on industrial project planning for countries in the Middle East and North Africa (12.02.02)	27 April - 1 May 1970; Beirut	UNIDO/UNESCO/IDCAS - UNESCO to advise on the selection of experts, preparation of four country case studies, provision of conference and administrative services and staff participation in substantive programming. IDCAS: selection of experts from North Africa. UNIDO: directing of the meeting, provision of basic working documents and financing all the meeting costs except UNESCO staff.
	Seminar on selected aspects of industrial policy (identification of objectives of the industrialization programme and formulation of industrial policies to achieve them) (13.01.02)	4-15 January 1971; Beirut	UNIDO/UNESCO/IDCAS - UNESCO: selection of participants and guest speakers from Middle East countries, administrative responsibilities for organization of seminar, including conference facilities and secretarial services, reproduction of pre- and post-seminar documentation. IDCAS: selection of participants from North African Arab countries and their arrangements; arrangements for two consultations on country studies on the Sudan and the United Arab Republic. UNIDO: preparation of basic seminar documents, selection of expert consultants and travel arrangements, communication of information on country experience in the formulation and implementation of industrial policies, financing of seminar in co-operation with UNESCO.

Table 9 (cont'd)

Region: Middle East (field projects)

Country	Project title and number	Duration, date of operation, location	Nature of co-operation (executing agency, other agency)
Saudi Arabia	Organization and operation of facilities for repair and maintenance of agricultural machinery (SIS 70/932 SAU-11)	6 months in 1971; not yet approved	UNIDO/FAO - the UNIDO expert will consult the existing FAO field personnel of the UNDP/SF/FAO project "Farm Engineering Centre" (SAU-11) and seek the necessary co-operation in carrying out his assignment.
	Agricultural machinery, design, development and product performance evaluation (SIS 70/933 SAU-12)	6 months in 1971; not yet approved	UNIDO/FAO - the UNIDO expert will consult the existing FAO field personnel of the UNDP/SF/FAO project "Farm Engineering Centre" (SAU-11) and seek the necessary co-operation in carrying out his assignment.
Sudan	Agricultural machinery and implement manufacture study mission (UNIDO/FAO joint mission) (SIS 70/1128)	3 months in 1971; not yet approved by UNDP	UNIDO/FAO - FAO will make available for one month an expert on agricultural mechanization to assist the UNIDO expert on agricultural machinery manufacture.
Syria	Centre for development of housing and construction (SF - SYR-25)	3 years; Damascus; approved June 1969; project started through partial allocation	UN (Centre for Housing, Building and Planning)/UNIDO - UNIDO to assist the project by providing three experts: brick production expert, expert in prefabrication, expert in the use of local building materials.
United Arab Republic	Design of anhydrous ammonia distribution centre (UAR/SIS 70/1047)	1 month in 1970-1971	UNIDO/FAO - the purpose of the mission is to prepare an SF project for the design, construction and operation of anhydrous ammonia distribution centre. FAO will be contacted for assistance (probably provision of an expert) in the application of this liquid fertilizer.
United Arab Republic and other IDCAS countries	Assistance to Industrial Development Centre for Arab States - food canning expert (Intereg-13 SIS 70/737)	6 months 1970/1971	UNIDO/IDCAS - UNIDO to assist IDCAS in the development of the food processing industry by investigating the situation in different plants and recommending to their respective managements possibilities for improvement.

Table 9 (cont'd)

Region: Middle East (field projects)

Country	Project title and number	Duration, date of operation, location	Nature of co-operation (executing agency/other agency)
United Arab Republic and other IDCAS countries (cont'd)	Assistance to Industrial Development Centre for Arab States - sugar industry expert (Intereg-13 SIS 70/737)	6 months; 1970/1971	UNIDO/IDCAS - UNIDO expert to assist IDCAS in the development of the sugar processing industry by investigating the situation in different plants and making recommendations for possible improvements.
	Assistance to Industrial Development Centre for Arab States (IDCAS) (Intereg-13 SIS 70/737)	6 months in 1970/1971	UNIDO/IDCAS - UNIDO expert in the technology of building materials to advise the secretariat of IDCAS regarding the work programme in the field, identifying problems and areas for technical assistance. Counterpart from IDCAS secretariat to co-operate with the expert in the implementation of this programme by submitting the necessary background documentation.

Table 10  
Region: Middle East (regional projects)

UNIDO project component number	Project title	Date and location	Nature of co-operation
<u>Industrial Technology</u>			
1.01.01	Agricultural machinery and implements	1970-1971	UNESOB - the UNESOB/UNIDO mission has stimulated six official requests for technical assistance. UNESOB will prepare country study reports early in 1971, and UNIDO will prepare a study of the UNESOB region by the end of 1971. The latter report to be sent to IDCAS as background material for their study of an additional six Arab countries.
1.01.02	UNIDO/UNESOB mission on agricultural machinery and allied metalworking industries in selected countries of the Middle East	March-May 1970	UNIDO/UNESOB - UNESOB deputed a staff member to undertake the mission with an agricultural machinery expert of UNIDO. The mission visited Iraq, Jordan, Kuwait, Lebanon, Saudi Arabia and Syria.
1.01.04	Industrial sectorial studies on lorries, tractors and prime movers in selected countries of the Middle East region	1971; in planning stage	IDCAS/UNIDO - IDCAS has planned to conduct a sectorial study on lorries, tractors and prime movers industry. It is anticipated that UNIDO will provide 3 experts (agricultural tractors and automotive equipment) for about 3 months to conduct the survey with an expert from IDCAS, and also participate in the expert group meeting.
1.04.03	Meeting on the promotion of the machine tool industries in developing countries of Europe and the Middle East	1971; Varna, Bulgaria	UNIDO is organizing the meeting. UNESOB will be requested to assist in the selection of participants.
3.07.02	Survey on construction and building materials industry in the UNESOB region	1971	UNIDO/UNESOB - UNIDO to send a staff member for 2 weeks, after advising UNESOB. UNESOB to provide follow-up of work under way.
3.07.02 (Priority B)	Expert panel on construction and building material industries in Arab countries of the Middle East and Africa	1971	UNIDO/UNESOB/IDCAS/ECA - Surveys on building materials and construction industries, prepared by UNESOB and IDCAS in co-operation with UNIDO, to be sent to ECA.
4.03.02	Mission on development of pharmaceuticals industry	1971	UNIDO/UNESOB/WHO - UNESOB to assist UNIDO in the promotion of requests by countries and participate in the mission. WHO to assist in the assessment of therapeutic needs and quality control.



Table 10 (cont'd)

Region: Middle East (Regional Projects)

UNIDO project component number	Project title	Date and location	Nature of co-operation
<u>Industrial Technology (cont'd)</u>			
5.01.01	Prospects for fertilizer development facilities	1971	UNIDO/UNESCO - UNESCO will assist consultant in preparing a directory.
5.01.02	Meeting for the development of fertilizers and pesticides industries	1971; Beirut	UNIDO/UNESCO - UNIDO will prepare the agenda and documentation. UNESCO will assist in arranging the meeting which will revise fertilizer facilities directory and discuss related topics.
5.04.07	Seminar for fertilizer and petrochemical industries	1970	UNIDO/IDCAS - IDCAS to prepare background papers on fertilizer and petrochemical industries in Arab States.
6.02.03	Meeting on selected food processing equipment	1971/1972	UNIDO/UNESCO - UNIDO and UNESCO to explore host facilities.
<u>Industrial Services and Institutions</u>			
7.01.01	Regional training workshop for industrial public administrators in the Middle East and North African countries	1971	UNIDO/UNESCO/IDCAS - UNIDO, in co-operation with UNESCO and IDCAS, to organize a one month regional training workshop for industrial public administrators. UNESCO to comment on UNIDO's programme of training; to provide lecturers; and to advise UNIDO of countries in which national workshops financed from UNIDO General Trust Fund could be held (possibly Syria and Iraq).
7.02.01	Training workshop for industrial property officers - Africa and the Middle East	1971	UNIDO/ECA/UNESCO/BIRPI/CAMPI - workshop to be organized jointly with ECA and UNESCO; papers to be provided by BIRPI and CAMPI, which will also send representative to attend the workshop.
7.04.02	Industrial licensing, practices and legislation	1970	UNESCO briefed two UNIDO consultants to prepare a study on the UNESCO region. UNIDO to request the Governments of the region to review the country studies. UNESCO will be requested to comment on the studies and on the availability of publishing them. Consideration may also be given to utilizing the General Trust Fund to print translations in Arabic in Beirut and distribute them as a guide for potential investors.

Table 10 (cont'd)  
Region: Middle East (Regional projects)

UNIDO project component number	Project title	Date and location	Mature of co-operation
<u>Industrial Services and Institutions (cont'd)</u>			
9.02.03	Method and techniques of supply of industrial equipment	1970	UNIDO will send its manual on the purchase of industrial equipment to UNESOB for distribution and comments.
10b.02	Industrial management clinics at the country level	1971	UNIDO will send reference material to UNESOB. The regional adviser, in the course of other assignments, will assess the interest of Governments, help to arrange clinics in co-operation with the UNIDO field adviser, and advise UNIDO on possible areas and countries for management clinics.
12.01.01	Study of national development plans with special reference to industry	15-30 September 1971	IDCAS/UNIDO - interregional meeting. IDCAS has requested one consultant in industrial management. UNIDO to submit papers for the meeting.
<u>Industrial Policies and Programming</u>			
12.01.01	Summaries of national industrial development plans	1971	UNIDO/UNESOB - as a follow-up to the UNIDO document "Summaries of the industrial development plans of 30 countries", UNESOB will provide material for Iraq, Syria and Saudi Arabia and, in addition, will comment on UNIDO's outline on appraisal of plans.
12.01.06	Appraisal of achievements of industrial planning under the Second Development Decade	1972	UNIDO/IDCAS - UNIDO will assist IDCAS in the preparation of a comparative summary of industrial development plans, to be presented at the second symposium on Arab industrial development in October 1971. Training in the summarization and analysis of plans will be carried out by a UNIDO staff member.  UNIDO/UNESOB - UNESOB will co-operate with UNIDC in the appraisal of industrial development programmes in the region.

Table 10 (cont'd)

## Region: Middle East (regional projects)

UNIDO project component number	Project title	Date and location	Nature of co-operation
<u>Industrial Policies and Programming (cont'd)</u>			
12.02.02	Development of national industrial programming data	1972	UNIDO/UNESOB - this organization will assist IDCAS in following up industrial surveys for countries of the region. UNESOB will establish country files based on the UNIDO system.
12.02.03	Productivity profiles of industrial enterprises (consisting of meeting and training workshops): - Working party on industrial profiles for Arab countries - First training workshop on productivity profiles (textiles, vegetable oils and flour mills) - Workshop for inter-firm and inter-country comparisons of the results of field studies (textiles, vegetable oils and flour mills) - Second training workshop on productivity profiles (cement and concrete products, glass and ceramics, painting and food canning) - A workshop for the evaluation of the results of the subsequent field studies	1970-1972 4-7 May 1970; Beirut 6-30 July 1970; Cairo June 1971; Cairo November 1971; Cairo	IDCAS/UNIDO - joint programming of the entire series of activities; each meeting or workshop is co-directed by a UNILO and an IDCAS officer. IDCAS: preparation of basic workshop materials; provision of Arab experts for training; provision of conference services; partial financing of workshop expenses (share varies from case to case); promotion and co-ordination of national field teams. UNIDO: provision of supplementary teaching materials and international experts for training; partial financing of workshop expenses.
12.03.03	National benefit cost analysis	1971	UNIDO/UNESOB - UNESOB will comment on UNIDO's publication on the subject.
12.04.02	Regional training workshop on industrial project implementation systems and time profiles for the Arab States	February/March 1971	UNIDO/IDCAS - workshop, jointly administered by UNIDO and IDCAS.
12.04.03	Interregional training workshop on the implementation of industrial projects and related systems	10-26 August 1970	UNIDO/UNESOB/IDCAS - for this workshop UNIDO prepared case studies; 3 in co-operation with UNESOB and UNIDO co-operation with IDCAS.
13.06.01	Training workshop in financial analysis and planning techniques for industrial projects	1972	UNIDO and UNESOB will organize a workshop for the UNIDO region in 1972 as a follow-up to the IDCAI workshop in 1971 for North Africa.

Table 10 (cont'd)  
Region: Middle East (regional projects)

UNIDO project component number	Project title	Date and location	Nature of co-operation
<u>Industrial Policies and Programming (cont'd)</u>			
14.01.01	Promotion of export-oriented industries	1971/1972	ITC, UNCTAD and UNIDO will study the technicalities of preferences, the demand factor and the potential for local production for 1-4 products in one country. The mission might be financed from SIS. It would be followed up by feasibility studies. UNESOB to participate in the SIS mission when undertaken.
14.03.02	Utilization of excess capacity for export	28 June - 9 July 1971	UNIDO/UNESOB - UNIDO to provide experts, lectures and instructions for the training course, prepare teaching materials and recruit participants. UNESOB to provide for Arab experts for training.
14.03.02	Utilization of excess capacity for export	1971/1972	UNIDO/UNESOB - UNESOB to suggest a consultant to undertake a study.
14.05.01	Programme of product adaptation and development	1971/1972	UNIDO/UNESOB - UNESOB to suggest countries for missions and UNIDO will request its field advisers to stimulate technical assistance requests in this field.
15b.01	Industrial reviews and surveys	1971/1972	UNIDO and IDCAS to undertake an analysis of a country survey. UNESOB to be kept informed and request assistance where possible.

## CONCLUDING OBSERVATIONS

100. The Industrial Development Board, at its fourth session, attached particular importance to the subject of co-ordination at the country level. Accordingly, UNIDO has initiated a number of actions during 1970 in order to intensify and develop further the co-ordination of its programmes at the country level. The actions include strengthening of the programmes of the Industrial Development Field Advisers, expansion of the number of UNIDO missions to prepare long-term programmes of technical co-operation, increasing involvement of the regional economic commissions and UNESOB in the activities of UNIDO, consultations and discussions with the UNDP Resident Representatives in the field, discussions with several donor Governments on the co-ordination of bilateral and multilateral aid programmes and strengthening of contacts with the UNIDO National Committees. Appropriate references to these actions have been made in the previous sections dealing with the co-operation with other agencies in implementing projects at the country and regional levels.

101. During 1970, there were 16 Industrial Development Field Advisers in the African, Asian, Latin American and Middle Eastern regions. These Advisers, working under the guidance of UNDP Resident Representatives, have updated the 1971 technical assistance programme in industry and have worked closely with the UNIDO experts in the field as well as with the officials concerned in the different ministries of industry and organizations concerned with the promotion of industrial development. In addition, some of these advisers have worked closely with the representatives of ILO, FAO, UNESCO, WHO and the World Bank. They have participated in a number of discussions dealing with the establishment of new projects involving inter-agency co-operation and have also undertaken preliminary work on long-range programmes of technical assistance in different countries. Furthermore, the Advisers have been instrumental in establishing initial contacts with the responsible officials of the bilateral aid missions in several countries. They have thus proved to be the most effective element of co-ordination of the activities of UNIDO at the country level. UNIDO is discussing with UNDP the possibility of a further increase in the number of these Industrial Development Field Advisers, and it is hoped that such an increase will enable the Advisers to concentrate more on the particular problems of a given country for up to now they have been concerned with servicing a large number of countries.

102. To date, UNIDO has undertaken long-range programming of technical assistance in 22 countries. Certain details of these missions, including their follow-up, are provided in earlier sections of this document. With the expected extension of these missions to a number of additional countries, it is hoped that a basis for a strategy of long-range planning of technical assistance will be evolved so that UNIDO can plan its programmes for the coming years in co-operation with the Governments concerned as well as other participating agencies in the United Nations system.

103. Through its annual work programme discussions, UNIDO has endeavoured to harmonize its activities in industry at the level of the countries with those of the regional economic commissions and UNESOB. UNIDO, in co-operation with the regional economic commissions and UNESOB, has assisted a number of regional groupings in promoting the industrial development of their member countries. Efforts have been made to use increasingly the services of the UNIDO financed regional industrial advisers for operational activities at the country and regional level. It is expected

100. The staffs of the regional economic commissions and UNESOB and the regional industrial officials will be increasingly used in the coming years to undertake major programmes under the Second United Nations Development Decade, to develop agro-industries, to establish export promotion programmes, to initiate repair and maintenance programmes and to organize training programmes for the benefit of the developing countries in the various regions.

101. The establishment of the National Committees for UNIDO has added another dimension to the work of UNIDO at the country level. By bringing together the representatives of different institutions and organizations concerned with industrial development in the respective countries, the National Committees could provide a focal point for the work of UNIDO at the country level. There are at present twelve National Committees for UNIDO in Africa, ten in Asia and the Far East, seven in Latin America and nine in Europe and the Middle East. These Committees have helped to disseminate information on the activities of UNIDO in their respective countries. With the development of further contacts and consultations, it is expected that the Committees will play an increasingly important role in assisting UNIDO's efforts at the country level.

105. Another important element in the development of industrial activities at the country level is the co-ordination of these programmes with the programmes of bilateral aid in industry. The Industrial Development Board in resolution 17 (IV), in particular, authorized the Executive Director of UNIDO to continue his consultations, on request, with the Governments concerned to achieve better co-ordination of the multilateral programmes with the bilateral assistance programmes. Accordingly, the Executive Director held discussions during 1970 with the senior representatives of the aid organizations of Belgium, Canada, Federal Republic of Germany, France, Italy, the Netherlands, Norway, Sweden and the United States of America. These discussions have served to obtain a better understanding of the problems involved in the provision of assistance to the developing countries. At the same time, it was evident that these discussions have to filter down to the level of countries themselves, and actions have accordingly been initiated by some countries to advise their respective aid organizations to hold discussions with the responsible UNIDO Industrial Development Field Advisers. It will take some time for tangible results to materialize from these discussions.

106. As mentioned earlier, considerable progress has been made by UNIDO during 1970 with regard to co-ordination of individual projects at the inter-secretariat level. In the initial period, project discussions in the inter-secretariat meetings were largely concerned with developing co-ordinated action on the projects that had already been established. While these discussions served to achieve a better understanding of the problems involved, it was not entirely possible to readjust the projects which were established as actions had already been initiated in varying degrees for their implementation. In order to bring about a more effective co-ordination of UNIDO projects at the country level, it has now been agreed that co-ordination should start at the planning stage and in the organization, as far as possible, of joint missions. Such joint missions have now been initiated by UNIDO in the field of export promotion with UNCTAD, agricultural machinery and fertilizers with FAO, small industries and management problems with ILO, industrial research and standardization with UNESCO and pharmaceutical industries with WHO. When extended to all areas in which there is a need for multi-disciplinary action, these missions will ultimately serve to evolve an integrated approach by UNIDO to the problems of industrial development in the developing countries.

107. It should be noted here that the over-all function of co-ordination of the industrial and operational programmes in the countries is entrusted to the UNDP Resident Representative. With the reorganization of the United Nations Development Programme, the UNDP Resident Representative will play a significant role in the planning and implementation of all operational projects, including those dealing with industry. The industrial activities of UNIDO at the field level will thus be primarily influenced by the decisions of the UNDP Resident Representative, particularly in view of the fact that they are authorized by the recent UNDP Governing Council decision to approve projects up to \$100,000. With the gradual introduction of the country programming procedures and the reorganization of UNDP, the operational activities of UNIDO in the field will also be affected. This factor will have to be taken into account in the future discussions of co-ordination of industrial projects at the country level.

108. In conclusion, the efforts made by UNIDO in harmonizing programmes in industry are essentially based on the goodwill of the organizations co-operating with UNIDO and on its work to develop this co-operation. As already stated by the Executive Director on several occasions during the previous sessions of the Board, UNIDO has a mandate for promoting co-ordination but has no actual authority to execute it. Furthermore, UNIDO has no resources at its disposal for this purpose except the services of the Industrial Development Field Advisers. Nonetheless, UNIDO has made maximum efforts to discharge the functions entrusted to it in regard to co-ordination of industrial development activities.

## ANNEX I

### NOTE ON CO-OPERATION BETWEEN ECAFE AND UNIDO

inter alia, on

- (i) Organization of group missions to countries for assistance in industrial planning and programme formulation and follow-up pre-investment and investment needs;
- (ii) Review and assessment of industrial development in ECAFE countries during the Second Development Decade.

---

Palais des Nations, Geneva, 2 July 1970

Present:           Mr. I.H. Abdel-Rahman       U Nyun  
                  Mr. S. Lurié                 Mr. C. Suryakumaran

#### I. Review and evaluation

1. ECAFE and UNIDO will join together in assisting the ECAFE countries during the Second Development Decade years in reviewing their industrial development and assessing their achievements in the realization of their objectives and goals. It is understood that a general scheme of review and assessment will be eventually developed by the UN system and that in this general scheme UNIDO will be responsible for the sectoral assessment in industry while ECAFE will be responsible for the regional aspects of the same task in all sectors. The two organizations will start collaboration in identifying these tasks and in collaboration with the ECAFE member countries so as to be in the best position of discharging their responsibilities.
2. The two organizations are convinced that review and assessment can only be successful if fully combined with advice about policies and Technical Assistance that will help the developing countries in the review of their policies and implementation of their programmes of industrialization. Therefore, the joint efforts of ECAFE and UNIDO will be to combine advice, Technical Assistance and assessment in an integrated manner which will be designed to suit the situations and requirements of each one of the developing countries of ECAFE.
3. It is recognized that UNIDO's operations are principally financed from the UNDP and that consequently in many cases the procedures and formalities of the UNDP will have to be recommended to the developing countries in order to realize the assistance required. On the other hand ECAFE has intimate knowledge and close relations with the countries both at the policy and operational levels and has established a regional machinery of long standing and experience which will be mobilized for the joint task. The variety of instruments and experience of UNIDO and ECAFE will all be put at the service of developing countries so as to enlarge their area of choice and design of suitable actions.
4. UNIDO proposes to brief in detail its industrial field advisers in the ECAFE region (in Pakistan, India, Thailand, the Philippines and shortly in Indonesia) so that they will be the UNIDO representatives in the field to co-ordinate these operations with ECAFE. The actual UNIDO



staff that will be eventually involved in these operations will be drawn from UNIDO Headquarters staff as well as from field experts as may be appropriate, but the industrial field advisers will be the local organizers of the operations country by country on behalf of UNIDO.

5. ECAFE, whose resource potential is also largely determined by UNDP OTC limits, will assign senior staff members and industrial regional advisers to be fully briefed together with UNIDO industrial advisers so as to form an operational and co-operational group which will carry out the country visits, consultations and development of these activities under the direction of ECAFE Industry Division and the general supervision of the Executive Secretary on behalf of ECAFE and the Executive Director on behalf of UNIDO.

6. The first meeting of this programming and operational group will be held in September 1970 partially in Bangkok and Tokyo on the occasion of the Second Industrialization Conference of ECAFE and UNIDO. The two organizations will develop the details of the briefing and the methodology of work from now until September and will utilize the occasion of the Tokyo meeting to brief the group and also to announce the programme and invite the attention of Asian countries present in Tokyo to participate in it.

7. ECAFE and UNIDO envisage further joint consultations about the progress in launching this joint programme and in refining their operations in a series of meetings as follows:

- (a) Bangkok/Tokyo meeting, September 1970;
- (b) Manila Investment Promotion meeting, September 1970;
- (c) Joint UNIDO/ECAFE harmonization discussions, Vienna, November 1970;
- (d) Meeting of the Expert Group on Progress, Appraisal and Evaluation, Bangkok, December 1970;
- (e) Meeting of the Executive Secretaries of Regional Economic Commissions, New York, January 1971.

In all of these activities the two organizations will consult closely with the interested country so that all actions will be at the request and in agreement with the government concerned. Actions by either of the two organizations within this frame of co-operation will be reported to the other as may be agreed upon.

8. The experience of UNIDO and ECAFE from now until January 1971 according to this plan of co-operation will be summarized to the Meeting of Executive Secretaries in January 1971 and utilized in discussing the general scheme of monitoring and assessment for the Second Development Decade which has already been inscribed as the major item for discussion at the January 1971 meeting. The two organizations will continue consultation and adaptation of their co-operation according to the further clarifications by the United Nations of the general scheme of monitoring and assessment.

## II. Harmonization of joint activities

9. Though this programme is centred around the review and assessment of industrial progress during the Second Development Decade, yet, it is in fact a major approach for a complete harmonization of ECAFE/UNIDO industrial activities in the region. As explained above it is the intention of the two organizations to combine offers of advice and assistance together with review and

10. It is further the desire and intention of the two organizations to continue their joint discussions for programme harmonization which will be guided by the results of joint management activities so as to reach gradually a common objective of having a unified programme of industry in ECAFE towards the implementation of which the resources of UNIDO and ECAFE will be harmoniously and effectively applied, as agreed upon in July 1969.

10. The two organizations while approaching this joint task in a sense of co-operation will welcome every opportunity to co-operate with intergovernmental and international organizations in the region which will be interested to be associated in this task.

11. While the two organizations will endeavour to increase their area of joint work and co-operation, it is recognized that many activities in the field of industrial development in the ECAFE countries will be conducted basically by ECAFE alone or by UNIDO. ECAFE has established an approach of sending group missions to member countries to give assistance in policy and strategy as well as in identifying pre-investment requirements. UNIDO has also established programmes of country surveys, long-term Technical Assistance programming and industrial missions for specific projects. The two organizations will seek to collaborate with the member countries in the follow-up and harmonization of all these activities.

12. This preliminary note will be used as a basis for further observations and amplification by correspondence between the Executive Secretary of ECAFE and the Executive Director of UNIDO in order to prepare for the first joint meeting in Bangkok/Tokyo in September 1970.

ID: 111  
Annex II  
Page 1

## ANNEX II

### JOINT COMMUNIQUE ON THE VISIT TO VIENNA BY THE DELEGATION FROM THE ORGANIZATION OF THE SENEGAL RIPARIAN STATES, 10-15 DECEMBER 1970

and

### LONG-TERM PROGRAMME OF TECHNICAL CO-OPERATION IN INDUSTRIAL FIELD WITH THE ORGANIZATION OF THE SENEGAL RIPARIAN STATES

Joint Communiqué on the Visit to Vienna by the Delegation from the Organization  
of the Senegal Riparian States, 10-15 December 1970

1. Following the official visit which Mr. I. H. Abdel-Rahman, the Executive Director of UNIDO, made to Senegal from 2 to 6 June 1970, a delegation from the Organization of the Senegal Riparian States (OERS) paid a visit to the headquarters of the United Nations Industrial Development Organization, at UNIDO's invitation, from 10 to 15 December 1970. The delegation consisted of:  
  
    Mr. Ahmed Ould Daddah, Executive Secretary of OERS, and  
    Mr. Oumar Baldé, General Secretary for Planning and Economic Development.
2. Working meetings took place with the Industrial Technology Division, the Industrial Policies and Programming Division, the Industrial Services and Institutions Division, the Technical Co-operation Division, and the sections responsible for technical programmes financial management and contracts.
3. A long-term programme of technical co-operation for industrial development was signed on 15 December 1970 by Mr. A. Ould Daddah, the Executive Secretary of OERS, and Mr. I. H. Abdel-Rahman, the Executive Director of UNIDO.
4. This programme is designed to promote and accelerate the integrated industrial development of the member States of OERS, namely, Guinea, Mali, Mauritania and Senegal.
5. The delegation from the Organization of the Senegal Riparian States expressed the desire that OERS be permitted to participate with observer status in the annual sessions of the Industrial Development Board and in the meetings of the Special International Conference of UNIDO to be held in Vienna in 1971.
6. The Organization of the Senegal Riparian States fully supports UNIDO's programme of activities for the promotion of industrial development in general and African industrial development in particular, and feels that increased efforts should be made in this field.

7. The OERS delegation wishes to express its satisfaction and gratitude to UNIDO for the warm welcome given to it and the very encouraging results achieved.

Done at Vienna on 15 December 1970

For the Organization of the  
Senegal Riparian States

Armed Ould Daddah  
Executive Secretary

For the United Nations  
Industrial Development  
Organization

Ibrahim Helmi Abdel-Rahman  
Executive Director

Long-term Programme of Technical Co-operation in Industrial Field  
with the Organization of the Senegal Riparian States

A. Introduction

8. The Organization of the Senegal Riparian States (OERS) and UNIDO have decided to establish a joint long-term programme of technical co-operation and assistance with a view to the promotion and acceleration of the integrated industrial development of the member States of OERS, namely, the Republic of Guinea, the Republic of Mali, the Islamic Republic of Mauritania and the Republic of Senegal.

9. This programme provides for the execution of technical assistance projects in the following fields:

- Integrated industrial planning and development;
- Paper and pulp industry;
- Pharmaceutical products industry;
- Plaster and gypsum industry;
- Sugar industry;
- Polymers industry;
- Building materials industry;
- Tire industry;
- Iron and steel industry;
- Aluminium industry;
- Copper industry;
- Petrochemicals industry;
- Mechanical engineering and electrical industries;
- Chemicals industry based on electrolysis of sea salt;
- Fertilizer industry;
- Grain milling industry;
- Development of small-scale industry and industrial estates;
- Inter-country industrial information centre;
- Industrial legislation, industrial standardization and quality control;

Training of cadres for industry;  
Multinational financing policies for industrial projects;  
Industrial investment promotion.

10. Jointly with the Executive Secretariat of OERS, and in close co-operation with the Regional Representative of UNDP in Dakar, UNIDO will whenever necessary examine all requests for technical assistance for which OERS has given priority in the industrial sectors listed in paragraph 9 above. The Industrial Development Field Adviser will be closely associated with these discussions.

11. This long-term programme of technical co-operation will be undertaken essentially at the subregional level.

#### B. Technical assistance activities

12. It has been agreed, within the framework of the long-term programme of technical co-operation with UNIDO, to formulate projects in accordance with the objectives of integrated economic and social development laid down in the statutes of the Organization and with the programme of integrated industrial development established by the Council of Ministers of OERS.

13. In this programme of technical assistance, absolute priority must be given to industrial studies designed to pave the way for the execution of the programme of integrated economic and social development of member States.

14. The programme will have the following main sections:

##### I. Planning and integrated industrial development

The technical assistance required will consist of aid to the Executive Secretariat of OERS in the execution of its tasks of harmonizing, co-ordinating and planning industrial development.

##### II. Inter-country Industrial Information Centre

Here, the Organization of the Senegal Riparian States will require assistance in the establishment of an inter-country industrial information centre whose role will be to co-ordinate and promote the assembly and dissemination of all information concerning the industrial development of OERS. The technical assistance requested will consist of the services of an expert and the supply of equipment. It has also been agreed that OERS will receive all UNIDO publications.

This Centre will extend its activities to industrial promotion.

##### III. Industrial studies

The member States of OERS, which are anxious to make the best use of all industrial development possibilities with a view to the progressive integration of their economies, have decided to establish jointly the industries listed below:

(a) Integrated industries

These consist of four priority industries which are to be set up in the member States in the near future and four additional industries in respect of which pre-investment studies are to be made within the same period. The industries are as follows:

(i) Priority industries

- Pulp and paper industry (Guinea);
- Pharmaceutical products industry (Senegal);
- Sugar industry (Mali);
- Plaster and gypsum industry (Mauritania).

The technical assistance required will consist of the preparation of a complete technico-economic study of these industrial projects with a view to progressing as quickly as possible to the investment dossier stage.

(ii) Complementary list of industrial projects

- Tire industry;
- Building materials industry;
- Polymers industry;
- Grain milling industry.

The technical assistance required in the first phase will consist of the preparation of preliminary feasibility studies so that a decision can be taken on the development of these industries.

(b) Basic industries

The development of basic industries in the subregion is a fundamental precondition for the general economic development of each of the member States.

It has therefore been agreed to promote the establishment of the following industries in the first phase:

- Iron and steel industry in Mali or Mauritania;
- Aluminium industry in Guinea;
- Copper industry in Mauritania;
- Petrochemicals industry in Senegal;
- Chemicals industry based on the electrolysis of sea salt in Guinea or Senegal;
- Chemicals industry based on nitrogen and the production of nitrogenous fertilizers in Mali;
- Mechanical engineering and electrical industries.

The studies regarding the iron and steel industry will consist firstly of a comparison of the possibilities offered for the establishment of such an industry by the Republic of Mali and the Islamic Republic of Mauritania, and secondly, in the light of this comparison, the preparation of the feasibility dossier for the industry.

The same will apply in the case of the chemicals industry based on the electrolysis of sea salt.

The aluminium, copper and petrochemicals industries, for which the locations are already known, will require the preparation of complete feasibility documents on the basis of which the necessary investment decisions can be taken.

The mechanical engineering and electrical industries form an important sector whose development is an indispensable complement to that of the basic industries listed above. For this reason, immediate technical assistance is requested to permit the evaluation of the short- and medium-term development possibilities for these industries in the four member States.

(c) Development of small-scale industry

Small-scale industry must be developed both at the national level and the inter-country level. To this end, technical assistance will be required in order to undertake a general study of all the possibilities for promoting small-scale industrial enterprises, especially with a view to the launching of subregional basic industries.

(d) Standardization and quality control

Within the framework of the Trade Promotion Office of OERS and the programme for the development of integrated industries in the four member States, technical assistance will be requested in an initial phase in order to undertake a study on industrial standardization and quality control in the member States.

IV. Financing of industrial projects and investment promotion

Technical assistance will be required in order to undertake a study on financing policies for the projects for integrated industries with a regional role.

In addition, UNIDO will make use of all industrial investment promotion possibilities in order to assist OERS in the execution of its programme of integrated industrial development. In this context, a conference on the promotion of industrial investments will be organized at a suitable time under the auspices of OERS and in collaboration with UNIDO.

Furthermore, in order to assist the development of specific industries mentioned above, UNIDO will do all it can to mobilize the assistance of any similar industrial sector in developed countries which is willing to give financial and technical assistance to a particular project.

V. Training of cadres

The technical assistance required will consist of the preparation of a study of the requirements for technical and industrial management cadres in the four member States of OERS and a study of the training facilities required.

This study must take account of the OERS industrial development programme, which will be the decisive influence in the application of an integrated policy for the training of cadres for industry.

A programme of industrial training will also be organized in accordance with an outline plan. The training will take place inside or outside the OERS area, depending on individual needs and cases.

General remarks

15. In undertaking the above programme of technical co-operation, the following general considerations will be followed:

- (a) This programme of co-operation agreed upon by the Organization of the Senegal Riparian States and the United Nations Industrial Development Organization will serve as the basis for the execution of the industrial projects mentioned in this document. Requests for technical assistance will be officially submitted and evaluated in accordance with the procedures in force in UNIDO and UNDP. Certain requests requiring immediate action have already been submitted.
- (b) UNIDO will provide all the technical assistance required by OERS at any stage in the preparation of the request, or, after approval of the request, in the execution of the project.
- (c) The next periodical review of this programme of technical co-operation will take place in 1972, but changes may be made at any time, as soon as the need for them is felt, in any project or any sector considered above.

Done at Vienna on 15 December 1970

For the Organization of the  
Senegal Riparian States

Ahmed Ould Daddah  
Executive Secretary

For the United Nations  
Industrial Development  
Organization

Ibrahim Helmi Abdel-Rahman  
Executive Director

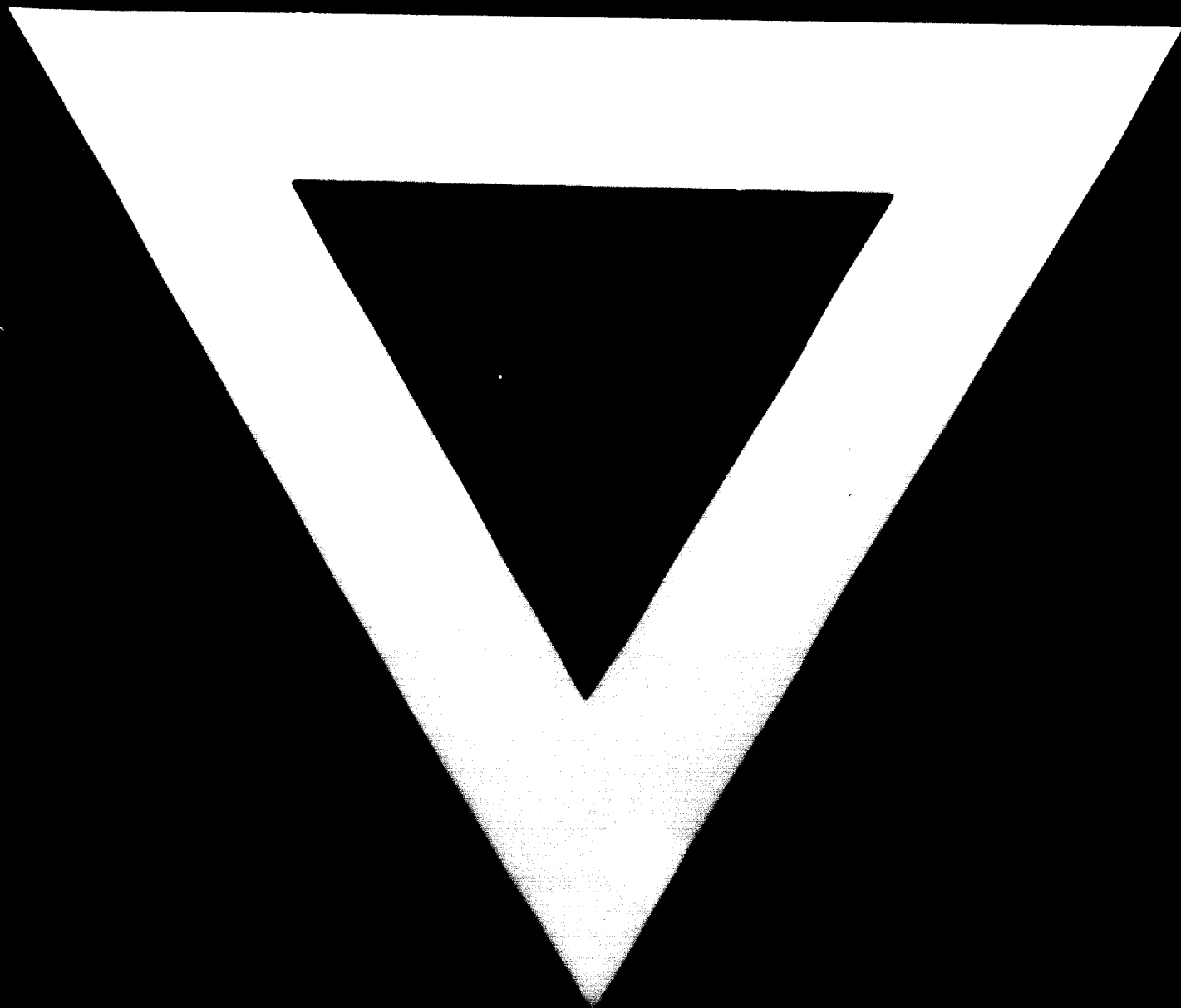


## ANNEX III

### MINUTES OF MEETING BETWEEN THE EXECUTIVE HEADS OF UNIDO AND UNCTAD HELD IN GENEVA ON 17 NOVEMBER 1970

#### Co-operation of UNIDO and UNCTAD in the field of utilization of the general system of preferences

1. A meeting of the Executive Heads of UNIDO and UNCTAD was held in Geneva on 17 November 1970.
2. The object of the meeting was to discuss a joint programme UNCTAD/UNIDO to assist developing countries in making use of the General System of Preferences, following the adoption by the Trade and Development Board in its fourth Special Session held in Geneva on 12-13 October 1970 of the Report of the Special Committee on Preferences on its fourth session, containing the Agreed Conclusions on the establishment of generalized non-discriminatory, non-reciprocal preferential treatment to exports of developing countries in the markets of developed countries. Following this decision, the General Assembly on 19 November 1970 adopted a resolution which approved the Report of the Industrial Development Board on the work of its fourth session and, under its operative paragraph 9, requested the Executive Director of UNIDO "to enter into appropriate arrangements with the Secretary-General of UNCTAD in order to enable the developing countries to derive increasing benefits from the system of generalized non-reciprocal non-discriminatory preferences".
3. A review was made of the steps taken so far by the two Organizations in anticipation of the action by the Trade and Development Board, and of the planned follow-up activities by the two Organizations. Reference was made to the agreement reached in an earlier meeting of the Heads of the two Organizations held in July 1970 on the need for joint action of UNIDO and UNCTAD in the field of preferences. In the light of the decisions taken by the legislative bodies referred to above, the Heads of two Organizations reaffirmed the need for joint action and stressed the urgency of the needs for assistance to the developing countries. The Inter-Secretariat Meeting of Representatives was instructed to proceed immediately with the working out, in consultation with the substantive units concerned, of a plan of action. The action would aim at providing the broadest possible dissemination among developing countries of information on the General System of Preferences in the form of an interregional project which would include seminars and advisory services. At the same time projects of technical assistance in depth will be established with a view to maximizing the benefits of the System in a number of individual developing countries at various stages of development. In rendering this assistance valuable experience will be gained which will be highly useful to all countries which stand to benefit from the GSP.
4. It was decided to bring the above decisions to the attention of Mr. Paul Hoffman, Administrator of UNDP.



**22.7.74**