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SEMINAR ON INDUSTRIAL PROGRAMMING

Sponsored jointly by the Economic Commission for Latin America, the Centre of Industrial Development of the United Nations and the Bureau of Technical Assistance Operations, with the co-operation of the Executive Groups of the Brazilian Industry (GEIA, GEIMAPE, GEIMET, GEIN), of the Confederaçao Nacional da Industria and of the Federacao das Industrias do Estado de Sao Paulo

Sao Paulo, Brasil, 4 to 15 March 1963

PROVISIONAL AGENDA AND LIST OF DOCUMENTS

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PROVISIONAL AGENDA AND DOCUMENTATION FOR THE SEMINAR  
ON INDUSTRIAL PROGRAMMING 1/

A. Programming of industrial development at the  
country level

I. Methodology of industrial programming in the context of general economic programming

1. General economic programming and the formulation of industrial development programmes

CEPAL, Metodología para la formulación de programas de desarrollo de la industria manufacturera (ST/ECLA/CONF.11/L.2)

Background documents:

- U.N. ECLA, An introduction to the technique of programming
- U.N. ECAFE, Programming techniques for economic development, report by a Group of Experts
- U.N. ECAFE, Formulating industrial development programmes, report by a Group of Experts
- Use of models in programming, published by CIDHQ in "Bulletin on Industrialization and Productivity", No.4

2. Structural changes in production and demand

CEPAL, Metodología para la formulación de programas de desarrollo de la industria manufacturera (ST/ECLA/CONF.11/L.2)

Background documents:

- A study of industrial growth, a paper by CIDHQ
- Analysis of income-demand elasticities for industrial consumer goods in developing countries, a paper by CIDHQ
- U.N. ECE, Production and Export of Capital Goods in the Fields of Mechanical and Electrical Engineering (E/ECE/439)
- U.N. ECAFE, Formulating industrial development programmes, report by a Group of Experts
- Projection of demand for equipment, a paper by CIDHQ

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1/ This Seminar is being organised by the Industrial Development Division of ECLA, the Centre of Industrial Development of U.N. Headquarters, and the U.N. Bureau of Technical Assistance Operations, to be held in Sao Paulo, Brazil, from 4 to 15 March 1963.

Documents are listed in the language in which the original has been prepared. When a translation is available, it is so indicated.

3. Import substitution, promotion of exports and expansion of demand  
CEPAL, Metodología para la formulación de programas de desarrollo de la industria manufacturera (ST/ECLA/CONF.11/L.2)

Background documents:

- A study of industrial growth, a paper by CIDHQ
- Política y programas de desarrollo (Hollis B. Chenery), sobretiro del "Boletín Económico de América Latina" (CEPAL), Vol.III, No.1, marzo de 1958

4. Selection of techniques and labour utilization; economies of scale

CEPAL, Selección de técnicas y absorción de mano de obra (ST/ECLA/CONF.11/L.3)

CIDHQ, Choice of capital intensity in operation planning for underdeveloped countries (ST/ECLA/CONF.11/L.4)

CEPAL, Las economías de escala en la programación industrial (ST/ECLA/CONF.11/L.5)

CIDHQ, Plant size and economies of scale (ST/ECLA/CONF.11/L.6)

Background documents:

- Capital intensity in industry in underdeveloped countries, published by CIDHQ in "Bulletin on Industrialization and Productivity", No.1
- Choice of technology in industrial planning (Jan Tinbergen), an article in "Bulletin on Industrialization and Productivity", No.1
- U.N. ECAFE, Formulating Industrial Development Programmes, report by a Group of Experts
- Choice of industrial technology: the case of wood working (G.K. Boon), an article in "Bulletin on Industrialization and Productivity", No.3
- Choice of Techniques (S. Okita), an article in "Bulletin on Industrialization and Productivity", No.4
- Problems of size of plant in industry in underdeveloped countries, published by CIDHQ in "Bulletin on Industrialization and Productivity", No.2

## II. Latin American experience on industrial programming

1. The experience of the ECLA/BTAO Advisory Groups

CEPAL, La experiencia de los Grupos Asesores en la formulación de programas de desarrollo de la industria manufacturera (ST/ECLA/CONF.11/L.7)

/Background documents:

## Background documents:

- CEPAL, La experiencia de los Grupos Asesores y los problemas prácticos del desarrollo económico (E/CN.12/584)
- Grupo Asesor CEPAL/DOAT, Análisis y programa de desarrollo industrial de Colombia

## 2. Experience based on ECLA country studies

Information papers to be submitted by participants

## Background document:

- CEPAL, El desarrollo industrial del Perú (also in English)

## 3. Other experience available in the region: agencies of industrial promotion, etc.

Information papers to be submitted by participants

## Background document:

- IDB, The Inter-American Development Bank and industrial development in Latin America

III. Experience on industrial programming in Asia and the Far East

A paper on experience in the ECAFE region from CIDHQ or to be obtained through it (ST/ECLA/CONF.11/L.8)

CIDHQ, India's experience in industrial planning (ST/ECLA/CONF.11/L.9)

✓ CIDHQ, Japan's experience in industrial planning (ST/ECLA/CONF.11/L.10)

## Background documents:

- Proposals for an industrialization programme in Singapore, prepared by a BTAO team of experts
- Manpower requirements in industrial planning, by S. Okita

B. Programming at the sector and project levelsI. Basic data and criteria for industry programming

## 1. Basic data and criteria for programming in the steel-transforming industries (including steel making)

✓ CEPAL, Algunos problemas metodológicos planteados por la programación de la industria de máquinas-herramientas y otros equipos (also in English) (ST/ECLA/CONF.11/L.11)

✓ CEPAL, Criterios y antecedentes para la programación de la industria de máquinas-herramientas (ST/ECLA/CONF.11/L.12)

/CEPAL, Economías

- ✓ CEPAL, Economías de escala en las caldererías (ST/ECLA/CONF.11/L.13)
- ✓ CEPAL, Economías de escala en la fabricación de tubos de acero con costura (ST/ECLA/CONF.11/L.14)
- ECLA, Economies of scale in steel making: a progress report (ST/ECLA/CONF.11/L.15)
- ✓ CEPAL, Uma análise preliminar das economias de escala na industria automobilística do Brasil (ST/ECLA/CONF.11/L.16)

Background documents:

- CEPAL, Estudo sobre a fabricação de equipamentos de base no Brasil (E/CN.12/619) (also Spanish and English)
- CEPAL, La industria de máquinas-herramientas del Brasil: elementos para la programación de su desarrollo (E/CN.12/633)
- Report of the Meeting of the Expert Working Group on Industrial Development Programming Data, CIDHQ/ECLA/BTAO

B.I.2. 2. Basic data and criteria for programming in the chemical industries

- ✓ CEPAL, Economías de escala en las industrias químicas (ST/ECLA/CONF.11/L.17)
- ✓ CIDHQ, Fertilizers based on natural gas (ST/ECLA/CONF.11/L.18)

Background documents:

- ✓ - CEPAL, Las industrias químicas en América Latina, 2 vols. (E/CN.12/628 & Add. 1 to 3)
- Problems of size of plant in industry in underdeveloped countries, published by CIDHQ in "Bulletin on Industrialization and Productivity", No.2
- Report of the Meeting of the Expert Working Group on Industrial Development Programming Data, CIDHQ/ECLA/BTAO

3. Basic data and criteria for programming in the pulp and paper industry

- ✓ ECLA/FAO, Economies of scale in the pulp and paper industry (ST/ECLA/CONF.11/L.19)

Background document:

- FAO, Forest resource evaluation for forest industries

4. Basic data and criteria for programming in the textile industry

- ✓ CEPAL, Economías de escala en la industria textil (ST/ECLA/CONF.11/L.20)

CEPAL, La programación de industrias tradicionales: elementos de una metodología para la industria textil (ST/ECLA/CONF.11/L.21)

Background document:

- CEPAL, A industria textil do Brasil, 2 vols. (E/CN.12/623 & Add. 1)

5. Basic data and criteria for programming other industries

0 CIDHQ, Programming data and criteria for food processing industry (ST/ECLA/CONF.11/L.22)

✓ CIDHQ, Programming data and criteria for the cement industry (ST/ECLA/CONF.11/L.23)

✓ CIDHQ, Programming data and criteria for the aluminium industry (ST/ECLA/CONF.11/L.24)

✓ CIDHQ, Material, labor, capital, and flow inputs in construction in Soviet Union (ST/ECLA/CONF.11/L.25)

✓ CIDHQ, Classification of industrial structures in the Soviet Union (ST/ECLA/CONF.11/L.26)

Background document:

- Report of the Meeting of the Expert Working Group on Industrial Development Programming Data, CIDHQ/ECLA/BTAO

II. Evaluation of industrial projects: selection of individual projects and preparation of feasibility or pre-investment studies

1. Evaluation of projects in predominantly private enterprise economies

✓ Evaluation of projects in predominantly private enterprise economies: selected procedures based on case studies. A paper by CIDHQ (ST/ECLA/CONF.11/L.27)

✓ IDB, The Inter-American Development Bank and industrial development in Latin America (ST/ECLA/CONF.11/L.28)

✓ IBRD, Project appraisal (ST/ECLA/CONF.11/L.29)

2. Evaluation of projects in centrally planned economies

Evaluation of projects in centrally planned economies. A paper by CIDHQ (ST/ECLA/CONF.11/L.30)

III. Formulation of sectoral industrial programmes: problems of new and of traditional sectors

1. Sectoral programming of dynamic (new or existing) industries

CEPAL, La creación de la industria automovilística brasileña analizada como un caso de programación sectorial (ST/ECLA/CONF.11/L.31)

CEPAL, La industria de máquinas-herramientas del Brasil: elementos para la programación de su desarrollo (E/CN.12/633) (ST/ECLA/CONF.11/L.32)

Background documents:

- CEPAL, Estudo sobre a fabricação de equipamentos de base no Brasil (E/CN.12/619) (also Spanish and English)
- CEPAL, Estudio sobre la fabricación de equipos industriales de base en la Argentina (E/CN.12/629) (also English)

2. Sectoral programming in traditional industries

CEPAL, La programación de industrias: elementos de una metodología para la industria textil (ST/ECLA/CONF.11/L.21)

Background documents:

- CEPAL, La industria textil de Chile (E/CN.12/622)
- CEPAL, A industria têxtil do Brasil: pesquisa sobre as condições de operação nos ramos de fiação e tecelagem, 2 vols. (E/CN.12/623 & Add.1)

IV. Implementation and other aspects of industry programming with particular reference to the private sector

1. Industrial promotion policy and industry programming

A paper will be prepared by CIDHQ (ST/ECLA/CONF.11/L.33)

France's experience in industrial planning. A paper from CIDHQ (ST/ECLA/CONF.11/L.34)

Participation of private sector in formulation and implementation of industrial planning, by S. Okita (ST/ECLA/CONF.11/L.35)

Background documents:

- Organizational aspects of planning. A paper by CIDHQ
- CEPAL, La experiencia de los Grupos Asesores y los problemas prácticos del desarrollo económico (E.CN.12/584)

2. Directions for further work and research on industrial promotion policies