

**ANNOTATED BIBLIOGRAPHY ON  
REGIONAL (SUBNATIONAL)  
DEVELOPMENT PLANS,  
PROGRAMMES AND PROJECTS  
IN DEVELOPING COUNTRIES  
WITH SPECIAL EMPHASIS ON  
SETTLEMENT ISSUES  
1980-1990**

*Mention of firm names and commercial products does not imply the endorsement of the United Nations.*

United Nations Centre for Human Settlements (Habitat)

Nairobi, 1990

## PREFACE

Despite rapid urbanization processes, the majority of the population of the developing countries will continue to be located in non-urban areas for many years to come. This is why rural areas have a crucial role in socio-economic development.

So far, the main emphasis of rural development has focused on the improvement of agricultural production and the satisfaction of the basic needs of agriculture-based populations deriving their livelihood from subsistence farming. However, rural areas are also becoming more complex and diversified with the improvement of communications and road infrastructure and the diversification of skills derived from wider access to education.

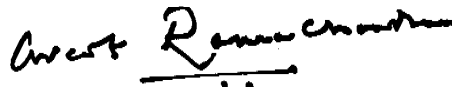
There are closer links between rural and urban areas and, within rural areas, between agricultural activities and the secondary and tertiary economic activities which develop as a result of economic and settlement development processes. These processes are much broader than in the past. Settlement patterns intensify and diversify with the emergence of market towns and intermediate settlements performing urban functions within regions. Thus, regional development issues are becoming more and more important in promoting economic growth, social welfare and the elimination of traditional rural poverty.

The key to subnational development lies in an integrated human settlements approach, aimed at supporting economic development in predominantly rural areas through the stimulation of intermediate cities and market towns. This is particularly the case in view of sustained population growth in such areas, despite the rural-urban migration and the related demand for urban land, shelter, infrastructure and services.

Generally, experiences and insights gained in implementing subnational development plans are confined to project reports and other documents with a relatively limited distribution. This bibliography is an effort to create a source of recent information on such aspects of human settlements as land, shelter, infrastructure, services and sustainability of development. Sustainable development aims at optimizing the economic and other social benefits available at present, without jeopardizing the likely potential for similar benefits in the future.

The first part of the bibliography consists of an extensive list of relevant sources, in alphabetical order, classified by country. The second part provides an annotated bibliography of documents selected from the total list as typical examples, to illustrate these issues in Africa, Asia, Latin America and the Caribbean. An index of authors is presented in Part Three, by region and country, for the annotated documents in Part Two, and an index is provided in Part Four of the keywords and subject descriptors in Part One.

It is hoped that this publication will contribute to making relevant approaches and experiences more accessible to policy-makers and other professionals in the human settlements sector.



Dr. Arcot Ramachandran  
Under-Secretary-General  
Executive Director

# PART I. REPORTS AND PLANS CONCERNED WITH SUBNATIONAL PLANNING OF RELEVANCE TO SETTLEMENT PUBLISHED SINCE 1980, WITH SUBJECT DESCRIPTORS

(GI = Giessen; UR = Urbamet; RE = Rehovot; HAB = UNCHS (Habitat); WA = Wageningen)

*Note:* The bibliography of regional documents with settlement aspects is based on collections of the Settlement Study Centre, Rehovot, Israel, the Centre of Regional Development Research, Giessen University, Federal Republic of Germany, Wageningen International Centre, the Netherlands, Le Centre de Documentation et d'Information "Villes en Développement", Réseau Urbamet, France, and the United Nations Centre for Human Settlements (Habitat), Kenya.)

## A. Africa (by country in alphabetical order)

01

Projet plan d'urbanisme du Bénin. Schéma de développement de la région sud est du Bénin. Diagnostic global de la situation actuelle de la région. Etude des collectivités locales

**Bénin** UR-PVDTEX-00012063

Paris, Société Internationale d'Etudes et de Recherche de Développement et d'Aménagement, 1983.

238 + 32 p, tabl., pl., maps, 2 Vlms.

*Subject descriptors:* Demography; Economic activities; Industrial production; Energy; Transport; Urban hierarchy; Housing; Institution building; Local government

02

Study tour in Botswana undertaken by physical planning division

**Botswana** GI XA-BW-S 503

Maseru, Physical Planning Division, Department of Lands Survey and Physical Planning, 1986.

86 p., 3 maps

*Subject descriptors:* Institutions; Rural settlements; Urbanization

03

Project performance audit report, Botswana, first livestock development project

**Botswana** RE 14-007

Washington, D.C., World Bank, 1982.

72 p., 1 volume

*Subject descriptors:* Boreholes; Potable water; Natural resources; Ecology; Soil conservation; Rangeland; Transport; Housing; Sites and services; Settlements; New settlements; Settler selection

04

The TGLP (Tribal Grazing Lands Policy) and hunter-gatherers: case study in land politics

**Botswana** RE 18-001

Gaborone, University College of Botswana, 1981.

103 p., 1 volume

*Subject descriptors:* Irrigation; Boreholes; Natural resources; Range-land; Tourism and recreation; Game development; Settlements; Resettlement; Land reform; Tenure; Zoning; Land use; Titling

05

A land use and development plan for remote area settlement in Southeastern District

**Botswana** RE 13-003

S.L., Southeastern District Council, 1981.

201 p., 1 volume

*Subject descriptors:* Irrigation; Natural resources; Industrial development; Land reform; Zoning; Land use; Health centres; Community development; Commercial planning and organization

06

Wiederbesiedlung der Voltataeler (AVV) - Integrierte Laendliche Entwicklung der Region Bougouriba (Po-Est et Po-Ouest)

**Burkina Faso** 1 00.400

Bad Homburg/Moehrendorf, INSTRUPA

Consulting GmbH, 1984.

138 p., 1 map

*Subject descriptors:* Roads; Transport; Water supply; Sewerage; Physical infrastructure; Industrial development; Rural settlements; New settlements

07

Nature, politique et aménagement. Cas d'un aménagement au Cameroun: Région de Yabassi-Bafang

**Cameroon** UR-RHOTEXA-0001238

Kilem-M' Bila (Daniel)

25-26 p., No. 75, 1984

08

Planification et programmation du développement : le département de Daloa

**Côte d'Ivoire** UR-PVDTEX-0011757

Daloa, Ministère du Plan et Industrie, Direction du Développement Régional, 1982/83

6 fasc., mult., pl.

09

Politique d'aménagement régional baséesur l'hydroélectrique : l'exemple du Kossou dans la Vallée du Bandama et Côte d'Ivoire

**Côte d'Ivoire** UR-IDFTEX-10000399  
 Paris, SLSN, 1981.  
 Obin, E.-R., *Mémoire de Maîtrise, urbanisme*,  
 Université Paris.  
 167 p. fig., maps, tables, bibliography  
*Subject descriptors:* Electricity; Energy; Economic  
 activities; Resettlement

10

Sinai development study phase

**Egypt** RE 06-002

Cairo, Dames and Moore Industrial Development,  
 S.A., 1983.

135 p., 1 volume

*Subject descriptors:* Service centres; Storehouse;  
 Research; Irrigation; Natural resources; Industrial  
 development; Tourism and recreation; Transport; Energy;  
 Settlements; New settlements; Urban centres

11

Greater Cairo Region long-range urban development  
 scheme strategy plan

**Egypt** UR-PVDTEX-00009430

General Organization for Physical Planning  
 Ominium Technique d'Etudes Urbaines et de  
 l'Infrastructure, Paris, Institut d'Aménagement et  
 d'Urbanisme de la Région d'Ile France

Le Caire, Ministry of Development, 1982

- p., mult., fig., tabl.

12

Plan of operations for the comprehensive  
 development of the new lands east of the delta

**Egypt** RE 01-003

Tel Aviv, Eisenberg Group of Companies; Tahal  
 Consulting Engineers Ltd., 1980

162 p., 1 volume

*Subject descriptors:* Service centres; Workshops;  
 Storehouse; Slaughterhouse; Irrigation; Industrial  
 development; Agro-industries; Transport; Roads; Settlements;  
 New settlements; Settle selection; Health centres; Hospitals

13

Project performance audit report Ethiopia. Lower  
 Adiabo Development Project

**Ethiopia** RE 11-001

Washington, D.C., World Bank, 1982.

48 p., 1 volume

*Subject descriptors:* Settlements; New settlements;  
 Co-operatives; Service centres; Storehouse; Irrigation;  
 Transport; Roads; Health centres; Public housing; Marketing

14

A training programme for agricultural service  
 co-operatives

**Ethiopia** RE 17-004

Addis Ababa, Adelstal, Bernt, 1985.

105 p., 1 volume

*Subject descriptors:* Service centres; Administrative  
 services; Industrial development; Agro-industries;  
 Settlements; Resettlement; Training centre; Multipurpose  
 co-operatives; Action programmes

15

Management plan Simen Mountains National Park  
 and surrounding rural area

**Ethiopia** RE 14-001

Addis Ababa and Bern, Ministry of Agricultural  
 Natural Resources, Conservation and Development and  
 UNESCO World Heritage, 1986.

122 p., 1 volume

*Subject descriptors:* Industrial development; Handicrafts;  
 Small-scale workshops; Tourism and recreation; Natural  
 parks and gardens; Transport; Energy; Fuelwood; Rural  
 housing; Settlements; Resettlement; Land reform; Tenure;  
 Health centres

16

Physical development plan for Basse

**Gambia** GI 00.045

Banjul, Ministry for Local Government and Lands,  
 Department of Physical Planning, 1985.

54 p., 1 map

*Subject descriptors:* Roads; Transport; Water supply;  
 Sewerage; Marketing; Institution building; Community  
 development; Rural settlements; Central place

17

Physical development plan for Brikama

**Gambia** GI 00.044

Banjul, Ministry for Local Government and Lands,  
 Department of Physical Planning, 1985.

52 p., 1 map

*Subject descriptors:* Roads; Transport; Water supply;  
 Sewerage; Marketing; Market place; Institution building;  
 Community development; Rural settlements; Central place

18

Pilot project for integrated rural development.  
 Functional ranking of settlements in the districts of  
 West Akim and Birim

**Ghana** HAB

Kumasi, Ministry of Local Government/UNDP/  
 UNCHS (Habitat)/University of Science and  
 Technology, 1987.

*Subject descriptors:* Credit; Service centres; Garage;  
 Research; Industrial development; Handicrafts; Workshops;  
 Small-scale manufacturing; Tourism and recreation; Hotel;  
 Transport; Roads; Maintenance; Railways; Energy;  
 Education; Health; Health centres; Community development;  
 Community planning and organization

19

Planning project for the Meru District

**Kenya** RE 14-005

Rehovot, Settlement Study Centre, 1985.

106 p., 1 volume

*Subject descriptors:* Irrigation; Industrial development; Agro-industries; Construction; Workshops; Health centres; Hospitals; Service centres; Administrative services; Storehouse

20

A social systems description of small farmers in two western Kenya districts

Kenya RE 84-001

Campbell, Rex R., and others  
Columbia, MO, Small Ruminant Collaborative  
Research Support, 1984.

64 p., 1 volume

*Subject descriptors:* Settlements; Transmigration; Land reform; Tenure; Agrarian reform; Community development

21

Danish assistance to physical planning in Thika Municipality

Kenya RE 83-001

Copenhagen, Danish International Development  
Agency (DANIDA), 1985.

142 p., 1 volume

*Subject descriptors:* Housing; Urban sites; Settlements; New settlements

22

Taita-Taveta District Development Plan 1984-1988

Kenya RE 44-002

Nairobi, Ministry of Finance and Planning, 1984.

111 p., 1 volume

*Subject descriptors:* Irrigation; Natural resources; Soil conservation; Forestation; Industrial development; Agro-industries; Transport; Settlements; New settlements; Education; Health; Co-operatives; Self-help activities

23

Planning project for the Nakuru-Nyandarua Region

Kenya RE 28-001

Rehovot, Settlement Study Case, 1982.

231 p., 1 volume

*Subject descriptors:* Settlements; Infrastructure

24

Institutional arrangements for regional (subnational) development: Case Study the Lake Basin Development Authority

Kenya HAB

Mshila, David L.

Kisumu, and Nairobi, Lake Basin Development  
Authority, United Nations Centre for Human  
Settlements (Habitat), 1987.

48 p., 4 maps

*Subject descriptors:* Roads; Transport; Physical infrastructure; Housing; Institution building; Rural settlements; New settlements

25

Plan of operation - German Assisted Settlement Programme (GASP), Lamu

Kenya GI 01.657

Lamu, Ministry of Lands and Housing, 1988.

26 p.

*Subject descriptors:* Roads; Transport; Road construction; Water supply; Sewerage; Drinking water; Health; Primary health care; Commercial services; Institution building; Community development; Rural settlements; New settlements

26

An evaluation of the Lake Kenyatta Settlement Scheme and the Hindi-Magogoni Settlement Scheme

Kenya GI 01.659

Oberdoerfer, D., and Weiland, H.

Freiburg, German Agency for Technical  
Co-operation (GTZ), 1986.

74 p.

*Subject descriptors:* Natural resources; Wildlife protection; Water supply; Sewerage; Drinking water; Physical infrastructure; Health; Rural settlements; New settlements; Settlements hierarchy

27

Trans-Nzoia District Development Plan 1984-1988

Kenya RE 96-001

Nairobi, Ministry of Finance and Planning, 1984.

112 p., 1 volume

*Subject descriptors:* Credit; Service centres; Irrigation; Natural resources; Tourism and recreation; Transport; Roads; Bridges; Health centres

28

Physical planning in Thika Municipality

Kenya RE 83-001

Copenhagen, Danish International Development  
Agency (DANIDA), 1985.

143 p., 1 volume

29

Donor round table papers

Lesotho GI XA-L5-S 507

Maseru, Central Planning and Development Office,  
1984.

93 p., 1 map

*Subject descriptors:* Ecology; Agriculture; Industrial development; Trade; Services; Physical infrastructure; Social infrastructure; Tourism and recreation; Institution building; Urbanization

30

Tappita City Development Plan

Liberia RE 11-001

Monrovia, Ministry of Planning and Economic  
Affairs, 1982.

97 p., 1 volume

*Subject descriptors:* Marketing; Industrial development; Agro-industries; Handicrafts; Manufacturing; Transport; Roads; Settlements; Urban centres; Education

- 31**  
**Planning and development atlas, Republic of Liberia**  
**Liberia** GI XA-LR-S 501  
 Monrovia, Ministry of Planning and Economic Affairs and GTZ, 1983.  
 111 p., 37 maps  
*Subject descriptors:* Forestry; Agriculture; Industrial development; Services; Trade; Physical infrastructure; Transport; Energy; Social infrastructure; Education; Health; Rural settlements; Demography
- 32**  
**Monitoring report on the centres: Mkhota, Mbalachanda, Thekerani (1980-1982)**  
**Malawi** GI 00.155  
 Lilongwe, Department of Community Services, Office of the President and Cabinet and Berlin, GTZ, 1983.  
 68 p., 1 map  
*Subject descriptors:* Health; Education; Primary school; Commercial services; Banking; Self-help activities; Rural settlements; Central place
- 33**  
**Monitoring and internal evaluation of the rural growth centres**  
**Malawi** GI XA-MW-S 506  
 Wheatley, C.-M.  
 Lilongwe, Republic of Malawi, Office of the President and Cabinet, 1982.  
 94 p.  
*Subject descriptors:* Institutions; Rural settlements
- 34**  
**Mzimba District. Physical development plan**  
**Malawi** RE 14-005  
 Lilongwe, Department of Town and Country Planning, Office of the President and Cabinet, 1987.  
 157 p., 1 volume  
*Subject descriptors:* Infrastructure; Rural settlements.
- 35**  
**National rural centre programme**  
**Malawi** GI XA-MW-S 507  
 Lilongwe, National Rural Centre Programme (NRCP) Government of Malawi, 1984.  
 74 p.  
*Subject descriptors:* Public finance; Physical infrastructure; Social infrastructure; Institutions; Rural settlements
- 36**  
**Mchinji District Plan. National Physical Development Plan**  
**Malawi** RE 24-001  
 Lilongwe, Department of Town and Country Planning, Office of the President and Cabinet, 1986.  
 152 p., 1 volume
- Subject descriptors:* Service centres; Storehouses; Irrigation; Natural resources; Tourism and recreation; Transport; Energy; Land reform; Education; Health centres
- 37**  
**Machinga District Plan report of survey. Summary, conclusions and policy implications**  
**Malawi** RE 11-002  
 Lilongwe, Department of Town and Country Planning, Office of the President and Cabinet, 1983.  
 44 p., 1 volume  
*Subject descriptors:* Irrigation; Sewerage; Potable water; Recreation facilities; Transport; Roads; Railways; Maintenance; Energy; Housing; Settlements; Transmigration; Urban centres; Education; Health centres; Service centres; Administrative services
- 38**  
**Monitoring plan for Manantali resettlement project**  
**Mali** RE 07-001  
 Binghampton, NY, Institute for Development Anthropology, 1983.  
 28 p., 1 volume  
*Subject descriptors:* Settlements; Resettlement; Land reform; Titling; Health; Disease control; Self-help activities; Community development; Status of women
- 39**  
**Land struggles and social differentiation in Southern Mozambique. A case study of Chokwe, Limpopo, 1950-1987**  
**Mozambique** RE 03-003  
 Hermele, Kenneth  
 Uppsala, Scandinavian Institute of African Studies, 1988.  
 64 p., 1 volume  
*Subject descriptors:* Settlements; New settlements; Settler selection
- 40**  
**Institutional structures for regional (subnational) planning and development in Nigeria**  
**Nigeria** HAB  
 Okpala, D.C.I.  
 Nairobi, United Nations Centre for Human Settlements (Habitat), 1987.  
 52 p., 2 maps  
*Subject descriptors:* Institution building; Rural settlements; New settlements; Central place; Research; Surveys
- 41**  
**Oshun river basin feasibility study**  
**Nigeria** RE 15-004  
 Ibadan, Ogun-Oshun River Basin Development Authority and Tel Aviv, Tahal Consultants, 1982.  
 6 volumes  
*Subject descriptors:* Credit; Marketing; Service centres; Slaughter house; Administrative services; Natural resources;

Land clearing; Forestation; Transport; Roads; Settlements;  
New settlements; Settler selection

42

Kagera Basin multi-disciplinary mission - social  
analysis

Rwanda

RE 03-002

Binghamton, NY., Institute for Development  
Anthropology, n.d.

43 p., 1 volume

*Subject descriptors:* Irrigation; Natural resources;  
Ecology; Settlements; Resettlement; Self-help activities

43

Project performance audit report Rwanda: Mutara  
agricultural development project

Rwanda

RE 05-001

Washington, D.C., World Bank, 1981.

*Subject descriptors:* Service centres; Storehouse; Natural  
resources; Land clearing; Soil conservation; Transport;  
Roads; Settlements; New settlements; Education; Training  
centre

44

Monographie de la Préfecture Byumba

Rwanda

GI 01.587

Kigali, République Rwandaise, 1984.

100 p., 1 map

*Subject descriptors:* Energy; Physical infrastructure;  
Tourism and recreation; Commercial services; Industrial  
development; Rural settlements; Urban development;  
Research

45

Impact evaluation report Senegal settlement projects  
in the Terres Neuves region

Senegal

RE 01-005

Washington, D.C., World Bank, 1984.

29 p., 1 volume

*Subject descriptors:* Credit; Marketing; Natural resources;  
Transport; New settlements; Spontaneous settlements;  
Transmigration; Community development; Community  
planning and organization

46

Project completion report Senegal Dobi-Lampsar  
irrigation project

Senegal

RE 11-002

Washington, D.C., World Bank, 1988.

38 p., 1 volume

*Subject descriptors:* Credit; Irrigation; Dam construction;  
Potable water; Sewerage; Settlements; Transmigration;  
Health; Disease control

47

Orientation of national and regional development  
planning in Senegal. Impact on the Dakar/Cap Vert  
region

Senegal

HAB

Samson, A.

Nairobi, Town Planning Sector, BCEOM-France,  
1987.

42 p., 2 maps

*Subject descriptors:* Institution building; Physical  
infrastructure; Health; Education; Commercial services;  
Urban development; Research

48

Population distribution, urbanisation and migration  
in Sierra Leone

Sierra Leone

GI XA-SL-S 590

Okove, C. S.

Freetown, Central Statistics Office, 1981.

75 p., 6 maps

*Subject descriptors:* Social infrastructure; Education;  
Rural settlements; Urbanization; Demography

49

Kurtunwaare Settlement

Somalia

RE 12-001

Daugherty, René

Mogadishu, USAID, 1982.

42 p., 1 volume

*Subject descriptors:* Rural settlements; Infrastructure;  
Agricultural production

50

Somalia North-West Region agricultural  
development project

Somalia

RE 10-003

Washington, D.C., World Bank, 1984.

76 p., 1 volume (Staff Appraisal Report)

*Subject descriptors:* Rural settlements; Agricultural  
production; Infrastructure

51

Project preparation study for a pilot phase of the  
Middle Shabelli integrated agricultural development  
project

Somalia

GI 00.485

Eschborn, German Agency for Technical

Co-operation (GTZ), 1986.

219 p., 6 maps

*Subject descriptors:* Health; Education; Industrial  
development; Agro-industries; Small-scale manufacturing;  
Irrigation; Self-help activities; Institution building;  
Community development; Rural settlements

52

Southern Region agricultural development

Sudan

RE 01-004

Washington, D.C., United States Agency for  
International Development, 1982.

218 p., 1 volume

*Subject descriptors:* Marketing; Transport; Service  
centres; Storehouse; Industrial development; Small-scale  
workshops; Credit; Rural banking; Community development;  
Community planning and organization

- 53**  
A proposal to prepare a regional resource overview on settlement and resource systems analysis and management  
**Sudan** RE 11-002  
Worcester, MA., Regional Government of Kordofan Department of Geography, 1984.  
21 p., 1 volume  
*Subject descriptors:* Rural settlements; Agricultural production; Infrastructure
- 54**  
Some development issues of settlement schemes in the Sudan: the case of Es-Suki  
**Sudan** RE 21-001  
Michelsen, C.  
Bergen, Institute Development Research and Action Programme, 1982.  
13 p., 1 volume  
*Subject descriptors:* Rural settlements; Agricultural production; Infrastructure
- 55**  
Prospects, programmes and policies for economic development in Gezira, White Nile, New Halfa  
**Sudan** RE 31-001  
Khartoum, Ministry of Finance and Economic Planning, 1983.  
199 p., 1 volume  
*Subject descriptors:* Service centres; Storehouse; Industrial development; Agro-industries; Transport; Settlements; Resettlement
- 56**  
Settlement of pastoral nomads: a case study of the New Halfa irrigation scheme in Eastern Sudan  
**Sudan** RE 22-003  
Norwich, University of East Anglia, 1980.  
60 p., 1 volume  
*Subject descriptors:* Settlements; New settlement; Resettlement; Land reform; Tenure
- 57**  
The Rahad irrigation project - project impact evaluation report No. 31  
**Sudan** RE 16-006  
Washington, D.C., United States Agency for International Development, 1982.  
143 p., 1 volume  
*Subject descriptors:* Service centres; Administrative services; Transport; Housing; Settlements; New settlements; Land reform; Tenure; Health centres
- 58**  
Swaziland RDAP project completion report  
**Swaziland** RE 03-003  
Nairobi, World Bank, 1984.  
116 p., 1 volume
- Subject descriptors:* Credit; Marketing; Service centres; Administrative services; Storehouse; Natural resources; Transport; Roads; Settlements; Resettlement; Land reform; Zoning; Land use
- 59**  
Reconnaissance study. Usutu and Ngwavuma river basins  
**Swaziland** RE 11-001  
s.l., Tate & Lyle Technical Services Ltd., 1982.  
15 p., 1 volume  
*Subject descriptors:* Irrigation; Water storage; Dam construction; Irrigation system construction; Settlements; New settlements; Land reform; Titling
- 60**  
Social analysis pilot small farmers irrigation project Swaziland  
**Swaziland** RE 04-001  
Washington, D.C., United States Agency for International Development, and Concord, NH, University of New Hampshire, 1983.  
44 p., 1 volume  
Farmers/pastoralists  
*Subject descriptors:* Credit; Marketing; Irrigation; Industrial development; Handicrafts; Natural resources; Soil; Settlements; Settler selection
- 61**  
West Nile agricultural rehabilitation operation program  
**Uganda** RE 04-002  
New York, CARE/EIL, 1984.  
123 p.  
*Subject descriptors:* Marketing; Service centres; Irrigation; Energy; Housing; Rural housing; Settlements; Resettlement; Agricultural education; Multi-purpose co-operatives
- 62**  
Tanga Integrated Rural Development Programme (TIRDEP) - experience with regional planning and project implementation in Tanga region  
**United Republic of Tanzania** RE 00.345  
Eschborn and Tanga, German Agency for Technical Co-operation (GTZ), 1980.  
159 p., 5 maps  
*Subject descriptors:* Staff training; Institution building; Social groups; Smallholders; Rural settlements; Central place
- 63**  
New settlement in Mbeya region  
**United Republic of Tanzania** RE 19-002  
Mbeya, Regional Commissioner's Office, 1981.  
77 p., 1 volume  
*Subject descriptors:* Credit; Service centres; Administrative services; Natural resources; Industrial development; Transport; Roads; Bridges; Energy; Housing; Settlements; New settlements; Settler selection; Land reform; Zoning; Land use; Health centres



64  
Schéma Régional d'Aménagement du Bas Zaïre: Le Développement urbain et les infrastructures (vol. V, dossiers 11-12-13)

**Zaire** UR-PVDTEX00015973  
Kinshasa, Bureau d'études d'aménagements urbains, 1987.

42-21-70 p., maps, fig., tabl.  
*Subject descriptors:* Urban settlements; Urban management; Intermediate centres; Economic activities; Transport; Energy; Finance

65  
Description of the settlement projects of Makeni Ecumenical Centre

**Zambia** RE 37-001  
Lusaka, Makeni Ecumenical Centre, 1987.  
3 p., 1 volume

*Subject descriptors:* Credit; Irrigation; Boreholes; Sewerage; Transport; Roads; Bridges; Settlements; New settlements; Settler selection; Health; Family planning; Self-help activities

66  
Nyangombe and Jiwundu settlement schemes in North Western Province

**Zambia** RE 35-001  
Oslo, Norwegian Agency for International Development (NORAD), 1984.

67 p., 1 volume  
*Subject descriptors:* Irrigation; Natural resources; Transport; Health centres; Multi-purpose co-operatives; Self-help activities; Community development; Status of women; Settlement patterns

67  
Project performance audit report Zambia integrated family farming project

**Zambia** RE 29-001  
Washington, D.C., World Bank, 1981.

84 p., 1 volume  
*Subject descriptors:* Credit; Irrigation; Natural resources; Soil conservation; Industrial development; Transport; Roads; Settlements; New settlements; Settler selection

68  
The Luangwa development project - a proposal for regional development and resources conservation in the Luangwa river catchment

**Zambia** RE 25-001  
Chipata, Provincial Planning Unit, 1983.

30 p., 1 volume  
*Subject descriptors:* Natural resources; Soil conservation; Woodlands; Tourism and recreation; Telecommunication; Land reform; Zoning; Land use

69  
Continuity and change in urban economic activities: Mtendere Township

**Zambia** GI XA-ZM-S 594  
Hansen, K. T.  
Lusaka, UNZA; Institute for African Studies, 1981.  
15 p.  
*Subject descriptors:* Employment; Rural settlements; Urbanization; Demography

70  
Der staedtische informelle Sektor in Sambia

**Zambia** GI XA-ZM-S 664  
Beuter, R.  
Konstanz, Universitaet Konstanz, FB Politik- und Verwaltungswissenschaft, 1984.

134 p., 2 maps  
*Subject descriptors:* Industrial development; Small-scale industry; Large-scale industry; Services; Trade; Employment; Government institutions; Urbanization; Demography

71  
A credit system for the financing of low income housing

**Zambia** GI XA-ZW-S 516  
Harare, Whitsun Foundation, 1981.  
vol. I: A credit system for the financing of low-income housing, 86 p.

vol. II: Report and recommendations, 6 p.  
*Subject descriptors:* Services; Banking; Physical infrastructure; Rural settlements; Urbanization

72  
The urban sector

**Zimbabwe** GI XA-ZW-S 513  
Harare, Whitsun Foundation, 1980.  
135 p., 18 maps  
*Subject descriptors:* Trade; Employment; Public finance; Social infrastructure; Private institutions; Governmental institutions; Urbanization; Demography

## B. Asia (by country in alphabethical order)

01  
India Kallada irrigation and treetop development project

**India** RE 62-011  
Washington, D.C., World Bank, 1982.  
89 p., 1 volume (Staff appraisal report)  
*Subject descriptors:* Service centres; Administrative services; Irrigation; Irrigation system construction; Dam construction; Natural resources; Land clearing; Transport; Roads; Telecommunication; Telephones; Settlements; Resettlement

02  
Indonesia nucleus estates and smallholder VII project

**Indonesia** RE 36-001  
Washington, D.C., World Bank, 1983.  
63 p., 1 volume (Staff appraisal report)

*Subject descriptors:* Service centres; Storehouse; Natural resources; Industrial development; Transport; Ports and harbours; Bridges; Roads; Housing; Rural housing; Sites and services; Community centre; Settlements; New settlements; Transmigration

03

Project design for the integrated rural development of the Sanrego area, Kabupaten Bone, South Sulawesi  
**Indonesia** RE 34-001

Ottawa, Canadian International Development Agency, n.d.

182 p., 1 volume

*Subject descriptors:* Service centres; Storehouse; Marketing; Irrigation; Drainage canals; Potable water; Water supply; Natural resources; Forestation; Transport; Roads; Settlements; Resettlement; Industrial development; Agro-industries; Mining; Handicrafts

04

Indonesia second swamp reclamation project

**Indonesia** RE 34-001

Washington, D.C., World Bank, 1984.

91 p., 1 volume (Staff appraisal report)

*Subject descriptors:* Irrigation; Natural resources; Land clearing; Swamp drainage; Transport; Roads; Bridges; Settlements; Transmigration; Housing; Rural housing

05

Regional development implementation advisors project (Sulawesi) Land and water resources survey and information for planning and development

**Indonesia** RE 45-004

Jakarta, Canadian International Development Agency, 1983.

87 p., 1 volume

*Subject descriptors:* Hydrological surveys; Meteorological aerial photography; Natural resources; Soil conservation; Forestation; Water conservation; Settlements; New settlements; Settler selection

06

Indonesia transmigration III project

**Indonesia** RE 37-001

Washington, D.C., World Bank, 1983.

62 p., 1 volume (Staff appraisal report)

*Subject descriptors:* Extension; Buildings; Service centres; Administrative services; Storehouse; Irrigation; Irrigation system construction; Dam construction; Boreholes; Natural resources; Industrial development; Transport; Housing; Rural housing; Sites and services; Community centre; Settlements; New settlements; Transmigration; Settler selection

07

East Kalimantan transmigration area development project. TAD-Report No. 17

**Indonesia** RE 13-015

Jakarta, Department of Manpower, Transmigration and Cooperatives, and Hamburg, GTZ, 1982.

139 p., 1 volume

*Subject descriptors:* Credit; Marketing; Service centres; Storehouse; Administrative services; Industrial development; Transport; Roads; Bridges; Settlements; Transmigration; Land reform; Zoning; Land use; Titling

08

Indonesia transmigration IV project

**Indonesia** RE 13-006

Washington, D.C., World Bank, 1983.

67 p., 1 volume (Staff appraisal report)

*Subject descriptors:* Credit; Service centres; Storehouse; Potable water; Water supply; Sewerage; Natural resources; Land clearing; Housing; Community centre; Settlements; New settlements; Transmigration; Settler selection; Health; Health centres

09

East Kalimantan transmigration area development study: Muara Wahau and Sangulirang

**Indonesia** RE 13-005

Timur, 1982.

688 p., 2 volumes

*Subject descriptors:* Credit; Potable water; Water supply; Natural resources; Land clearing; Conservation; Transport; Roads; Housing; Rural housing; Settlements; Transmigration; Settler selection; Training centre; Health; Health centres

10

Regional development plan for West Pasaman, Vol. III

**Indonesia** GI 01.497

Padang, Badan Perencanaan Pembangunan Daerah (BAPPEDA), 1983.

277 p., 20 maps

*Subject descriptors:* Roads; Transport; Education; Schools; Infrastructure; Public transport; Commercial services; Industrial development; Forestry; Co-operatives; Social groups; Rural settlements; Migration

11

Area development project (ADP) West Pasaman

**Indonesia** GI 00.573

Padang, Department of Home Affairs and Eschborn and Hamburg, GTZ, 1984.

116 p., 1 map

*Subject descriptors:* Commercial services; Industrial development; Self-help activities; Institution building; Community development; Rural settlements; Resettlement; Transmigration

12

Transmigration in Indonesia, an empirical analysis of motivation, expectations and experiences

**Indonesia** GI 01.575

Kebschull, D.,

Hamburg, HWWA-Institut für Wirtschaftsforschung, 1986.

134 p., 1 map

*Subject descriptors:* Education; Marketing; Institution building; Social groups; Rural settlements; Resettlement; Migration; Transmigration

13  
Project design integrated area development  
Lolak-Sang Tombolang-Kabupaten, Bolaang  
Mongodow Sulawesi Utara

**Indonesia** RE 45-006  
Jakarta, Canadian International Development  
Agency, 1984.  
360 p., 1 volume  
*Subject descriptors:* Rural settlement; Infrastructure;  
Subnational development

14  
Proposal for an action programme in the  
Jakarta-Puncak corridor

**Indonesia** WA 87.0874  
s.l., Government of Indonesia/United Nations  
Environment Programme, 1984.  
135 p.  
*Subject descriptors:* Economics; Finance; Land  
development; Reclamation; Subnational development; Rural  
planning; Urbanization; Urban planning; Water development;  
Water management; Water supply

15  
Transmigration program review - Volume I:  
Summary of major findings and recommendations

**Indonesia** WA 88.0096  
s.l., Government of Indonesia/World Bank, 1981.  
68 p.  
*Subject descriptors:* Economic development; Economic  
evaluation; Finance; Land development; Migration; Political  
planning; Rural development; Rural planning; Transmigration

16  
Review of background information Jakarta-Puncak -  
clearing house study

**Indonesia** WA 87.0875  
s.l., Government of Indonesia/United Nations  
Environment Programme, 1984.  
130 p.  
*Subject descriptors:* Finance; Industrial development;  
Land development; Planning; Subnational development;  
Rural planning; Urbanization; Water development; Water  
management; Water supply

17  
Malaysia - Sabah land settlement and environmental  
management project

**Malaysia** RE 28-001  
Washington, D.C., World Bank, 1989.  
79 p., 1 volume (Staff appraisal report)  
*Subject descriptors:* Rural settlements; Agricultural  
production; Infrastructure

18  
Keratang land-settlement project

**Malaysia** WA 87.0416  
s.l., Government of Malaysia/World Bank, 1985.  
89 p.

*Subject descriptors:* Agro-industrial sector; Land clearing;  
Economic development; Economics; Finance; Urban  
development; Urban planning

19  
Project performance audit report Malaysia Third  
Jengka triangle report

**Malaysia** RE 01-011  
Washington, D.C., World Bank, 1982.  
19 p., 1 volume  
*Subject descriptors:* Natural resources; Land clearing;  
Settlements; New settlements; Industrial development;  
Transport; Housing; Irrigation

20  
Project performance audit report Malaysia, Keratong  
land settlement project

**Malaysia** RE 11-003  
Washington, D.C., World Bank, 1985.  
89 p., 1 volume  
*Subject descriptors:* Natural resources; Land clearing;  
Settlements; New settlements; Housing; Urban housing;  
Public housing; Private housing; Land reform

21  
Project performance audit report Malaysia, Johore  
land settlement project

**Malaysia** RE 02-003  
Washington, D.C., World Bank, 1982.  
34 p., 1 volume  
4,360 settler families  
*Subject descriptors:* Credit; Service centres; Natural  
resources; Ecology; Land clearing; Industrial development;  
Wood and cork production; Agro-industries; Transport;  
Roads; Rural housing; Sites and services; Land reform;  
Settlements; New settlements; Settler selection

22  
Planning project for the Dang District, Nepal

**Nepal** RE 62-001  
s.l., Settlement Study Centre (SSC), 1988.  
76 p., 1 volume  
*Subject descriptors:* Subnational development; Rural  
settlements; Agricultural production

23  
Project performance audit report. Nepal settlement  
project

**Nepal** RE 57-001  
Washington, D.C., World Bank, 1983.  
106 p., 1 volume  
*Subject descriptors:* Rural settlements; Agricultural  
production; Infrastructure; Physical infrastructure; Social  
infrastructure

24  
Land settlement in Nepal. Comparative study of four  
types of planned and spontaneous settlement

**Nepal** RE 47-001  
Bangkok, Asian Institute of Technology, 1986.

- 176 p., 1 volume  
*Subject descriptors:* Credit; Irrigation; Potable water; Water supply; Transport; Bridges; Energy; Electricity; Settlements; Resettlement; Education; Primary education; Secondary education; Health; Health centres
- 25  
 A comparative evaluation of planned and unplanned resettlement in Nepal
- Nepal** RE 51-001  
 Kathmandu, Centre for Economic Development and Administration, Tribhuvan University, 1984.  
 351 p., 1 volume  
*Subject descriptors:* Credit; Marketing; Irrigation; Natural resources; Transport; Energy; Settlements; Resettlement; Settler selection; Land reform; Tenure; Health; Health centres
- 26  
 Nepal's experience in hill agricultural development
- Nepal** RE 37-003  
 Kathmandu, Ministry of Food and Agriculture, 1981.  
 234 p., 1 volume  
*Subject descriptors:* Marketing; Irrigation; Industrial development; Construction; Natural resources; Soil conservation; Water conservation; Forestation; Energy; Settlements; Transmigration; Land reform; Tenure
- 27  
 Environmental impact study physical aspects. Cape Rodney smallholder agricultural development project. Central Province, Papua New Guinea
- Papua New Guinea** RE 27-001  
 Dearden, P. N.  
 Boroko, Land Utilisation Section, Department of Primary Industry, 1986.  
 78 p., 1 volume  
*Subject descriptors:* Rural settlements; Natural resources; Environmental impact
- 28  
 Kabankalan settlement project
- Philippines** RE 22-002  
 Manila, Ministry of Agrarian Reform, and Tel Aviv, Tahal Consulting Engineers Ltd., 1981.  
 565 p., 1 volume  
*Subject descriptors:* Rural settlement; Infrastructure; Subnational development
- 29  
 Kabankalan Negros Occidental - social survey in a settlement region
- Philippines** RE 22-001  
 Tel Aviv, Tahal, 1980.  
 48 p., 1 volume  
*Subject descriptors:* Rural settlement; Institution building; Social infrastructure
- 30  
 National multi-year human settlements plan: 1983-1987 and 2000. A physical development framework
- Philippines** RE 39-001  
 Manila, Ministry of Human Settlements, 1983.  
 341 p., volume 1  
*Subject descriptors:* Urban settlements; Rural settlements
- 31  
 National multi-year human settlements plan: 1983-1987 and 2000. A physical development framework
- Philippines** RE 03-003  
 Davao City, Ministry of Human Settlements, 1983.  
 109 p., 1 volume
- 32  
 National multi-year human settlements plan: 1983-1987 and 2000. A physical development framework
- Philippines** RE 38-001  
 Cebu City, Ministry of Human Settlements, 1983.  
 211 p., 1 volume  
*Subject descriptors:* Urban settlements; Rural settlements
- 33  
 Annual report
- Philippines** RE 33-001  
 Legazpi City, Ministry of Agrarian Reform, 1981.  
 74 p., 1 volume  
*Subject descriptors:* Service centres; Storehouse; Irrigation; Irrigation system construction; Industrial development; Wood production; Furniture; Handicrafts; Settlements; Resettlement; Tenure; Agrarian reform; Titling; Education; Training centre
- 34  
 Resource analysis
- Philippines** RE 61-003  
 s.l., Provincial Development Planning and Evaluation Office, 1987.  
 144 p., 1 volume  
*Subject descriptors:* Health; Health centres; Community development; Community planning and organization; Land reform; Agrarian reform; Titling; Settlements; Resettlement; Rural housing; Urban housing
- 35  
 Spatial planning and rural settlements access to services and facilities
- Philippines** RE 10-016  
 Astillero E.  
 Worcester, MA, Clark University, Institute for Development Anthropology and Washington, D.C., United States Agency for International Development, 1982.  
 38 p., 1 volume  
*Subject descriptors:* Marketing; Service centres; Administrative services; Research; Surveys; Data collection; Transport; Roads; Settlements; Urban centres
- 36  
 Master plan study of the Clark reverted baselands integrated area development project

- Philippines** RE 35-001  
 Manila, National Council on Integrated Area Development, 1981.  
 194 p., 1 volume  
*Subject descriptors:* Credit; Marketing; Irrigation; Potable water; Water supply; Dam construction; Water storage; Natural resources; Industrial development; Handicrafts; Workshops; Transport; Roads; Settlements; Resettlement; Settler selection; Land reform; Tenure
- 37**  
 Chungbu regional development plan: summary report of basic physical plan
- Republic of Korea** RE 12-001  
 Seoul, Ministry of Construction, 1986.  
 63 p., 1 volume  
*Subject descriptors:* Subnational development; Urban settlements; Rural settlements
- 38**  
 Second national urban land-development and housing project
- Republic of Korea** WA 87-0185  
 s.l., Government of the Republic of Korea/World Bank, 1982.  
 97 p.  
*Subject descriptors:* Economic development; Economics; Finance; Urban development; Urban planning; Urban sociology
- 39**  
 Agricultural wholesale marketing project
- Republic of Korea** WA 87.0186  
 s.l., Government of the Republic of Korea/World Bank, 1982.  
 62 p.  
*Subject descriptors:* Agricultural development; Economic development; Economics; Finance; Trade; Urban planning
- 40**  
 Chungbu regional development plan: summary report of basic physical plan
- Republic of Korea** RE 12-001  
 Seoul, Ministry of Construction, 1986.  
 63 p., 1 volume  
*Subject descriptors:* Subnational development; Urban settlements; Rural settlements
- 41**  
 Sri Lanka third rural development project
- Sri Lanka** RE 15-001  
 Washington, D.C., World Bank, 1983.  
 100 p., 1 volume (Staff appraisal report)  
*Subject descriptors:* Building equipment; Service centres; Cold storage; Workshops; Health; Irrigation; Transport; Roads; Highways; Settlements; New settlements; Land reform; Tenure
- 42**  
 Environmental assessment - accelerated Mahaweli development program
- Sri Lanka** RE 08-001  
 Colombo, Ministry of Mahaweli Development; New York, Tippetts-Abbott-McCarthy-Stratton, and Washington, D.C., United States Agency for International Development, 1980.  
 416 p., 4 volumes  
*Subject descriptors:* Irrigation; Natural resources; Tourism and recreation; Transport; Settlements; Resettlement; Land reform; Zoning; Land use; Health centres
- 43**  
 A study of two Sri Lankan rural development projects managed by the Ceylon Tobacco Co., Ltd.
- Sri Lanka** RE 22-001  
 Washington, D.C., United States Agency for International Development, 1986.  
 91 p., 1 volume  
*Subject descriptors:* Credit; Marketing; Irrigation; Natural resources; Transport; Settlements; Resettlement; Settler selection
- 44**  
 Sri Lanka Mahaweli Ganga development project III
- Sri Lanka** RE 08-005  
 Washington, D.C., World Bank, 1981.  
 108 p., 1 volume  
*Subject descriptors:* Credit; Service centres; Storehouse; Workshops Garage; Surveys; Natural resources; Land clearing; Education; Health; Transport; Settlements; New settlements
- 45**  
 Hambantota District Sri Lanka. Integrated rural development programme 1979-1985
- Sri Lanka** RE 09-002  
 Oslo, Royal Norwegian Ministry of Development Co-operation, 1985.  
 53 p., 1 volume  
*Subject descriptors:* Credit; Service centres; Administrative services; Garage; Workshops; Natural resources; Forestation; Water conservation; Industrial development; Transport; Settlements; Resettlement; Land reform; Zoning; Land use
- 46**  
 Report of the village workshop/consultations. Planning and training in land settlement. FAO/UNDP project SRL/84/037
- Sri Lanka** RE 27-003  
 Lourie, M.  
 Colombo, Food and Agriculture Organization of the United Nations, 1987.  
 67 p., 1 volume  
*Subject descriptors:* Settlements; New settlements; Resettlement; Self-help activities; Community participation; Decision-making; Development of local leadership
- 47**  
 Evacuees and their resettlement in the Mahaweli development programme

- Sri Lanka** RE 08-023  
 Bulankulame, Senarath  
 Colombo, Sri Lanka Association for the  
 Advancement of Science, 1986.  
 18 p., 1 volume  
*Subject descriptors:* Research; Surveys; Data collection;  
 Irrigation; Dam construction; Irrigation system construction;  
 Settlements; Resettlement
- 48**  
 Mahaweli projects and programme 1986
- Sri Lanka** RE 08-018  
 Colombo, Ministry of Lands and Land  
 Development, 1985.  
 140 p., 1 volume  
*Subject descriptors:* Service centres; Administrative  
 services; Research; Surveys; Irrigation; Dam construction;  
 Drainage canals; Natural resources; Industrial development;  
 Agro-industries; Transport; Bridges; Roads; Energy;  
 Hydro-electric power; Settlements; Resettlement; Settler  
 selection; Health centres; Buildings
- 49**  
 Project performance audit report - Sri Lanka  
 Mahaweli Ganga development project Stage 1
- Sri Lanka** RE 08-007  
 Washington, D.C., World Bank, 1981.  
*Subject descriptors:* Credit; Irrigation; Dam construction;  
 Irrigation system construction; Drainage canals; Natural  
 resources; Land clearing; Energy; Settlements; Settler  
 selection
- 50**  
 The Maththala and Weliwewa settlement projects  
 under the Hambantota integrated rural development  
 programme
- Sri Lanka** RE 09-003  
 Colombo, Norwegian Agency for International  
 Development, 1982.  
 122 p., 1 volume  
*Subject descriptors:* Irrigation; Natural resources;  
 Transport; Roads; Housing; Settlements; Resettlement;  
 Education; Health; Self-help activities
- 51**  
 Mahaweli Ganga development project
- Sri Lanka** RE 08-015  
 Washington, D.C., World Bank, 1984.  
 (Staff appraisal report)  
*Subject descriptors:* Credit; Service centres; Storehouse;  
 Research; Irrigation; Natural resources; Tourism and  
 recreation; Transport; Roads; Energy; Rural housing;  
 Settlements; New settlement; Health centres; Buildings
- 52**  
 Guidelines and methodologies for planning the  
 redevelopment of settlements in Sri Lanka
- Sri Lanka** RE 27-005  
 Lourie, M.
- Colombo, Ministry of Settlement Planning and  
 Management Division and Food and Agriculture  
 Organization of the United Nations, 1988.  
 166 p., 1 volume  
*Subject descriptors:* Rural planning; Urban settlements;  
 Rural settlements; Industrial development; Infrastructure
- 53**  
 Appraisal of reformulated Kirindi Oya irrigation and  
 settlement project (phase I) in Sri Lanka
- Sri Lanka** RE 21-001  
 Manila, Asian Development Bank, 1982.  
 151 p., 1 volume  
*Subject descriptors:* Rural development; Irrigation; Rural  
 settlements; Infrastructure
- 54**  
 Kirindi Oya irrigation and settlement phase II  
 alternative plan for developing tracts RB. 3, 4 and LB 3
- Sri Lanka** RE 21-002  
 Colombo, Ministry of Lands, Irrigation and  
 Mahaweli Development/FAO/UNDP Project, 1989.  
 41 p., 1 volume  
*Subject descriptors:* Rural development; Irrigation; Rural  
 settlements; Infrastructure
- 55**  
 The Mathala and Weliwewa settlement projects  
 under the Hambantota integrated rural development  
 programme
- Sri Lanka** RE 09-003  
 Colombo, Norwegian Agency for International  
 Development (NORAD), 1982.  
 22 p., 1 volume  
*Subject descriptors:* Rural settlements; Infrastructure
- 56**  
 Land settlement Sri Lanka. Guidelines and  
 methodologies for planning new settlement
- Sri Lanka** RE 27-008  
 Lourie, M.  
 Colombo, Ministry of Lands and Land Development  
 and Food and Agriculture Organization of the United  
 Nations, 1988.  
 117 p., 1 volume  
*Subject descriptors:* Rural settlements; Infrastructure
- 57**  
 Land settlement in Sri Lanka. Assessment of needs  
 in settlement planning
- Sri Lanka** RE 27-006  
 Lourie, M.  
 Colombo, Ministry of Lands and Land Development  
 and Food and Agriculture Organization of the United  
 Nations, 1987.  
 31 p., 1 volume  
*Subject descriptors:* Rural settlements; Infrastructure

58  
Land settlement in Sri Lanka, review of farmer organizations

**Sri Lanka** RE 27-007  
Weerawardena, K.

Colombo, Ministry of Lands and Land Development and Food and Agriculture Organization of the United Nations, 1988.

72 p., 1 volume

*Subject descriptors:* Rural settlements; Infrastructure; Institutions

59  
New project proposals, Sri Lanka

**Sri Lanka** WA 87.0761  
Colombo, Government of Sri Lanka, 1984.

41 p.

*Subject descriptors:* Economic development; Economics; Finance; Rural development; Rural planning; Urban development; Urban planning; Water development

60  
Planning project for the Khon Kaen Province, Thailand

**Thailand** RE 41-002  
Rehovot, Settlement Study Centre (SSC), 1987.

189 p., 1 volume

*Subject descriptors:* Subnational development; Urban settlements; Rural settlements

61  
Agricultural credit for oil palm plantation and improvement in Aao Luk Settlement Co-operative

**Thailand** RE 26-001  
Bangkok, Bank for Agriculture and Agricultural

Co-operatives, 1980.

58 p., 1 volume

*Subject descriptors:* Rural settlements; Credit schemes; Institution building; Self-help groups; Co-operatives

62  
Lampang Region - Thailand - an integrated rural development project

**Thailand** RE 29-003  
Rehovot, Settlement Study Centre (SSC), 1980.

231 p., 1 volume

*Subject descriptors:* Subnational development; Urban settlements; Rural settlements; Infrastructure

63  
Final report on physical development of rural settlements in Thailand - an opportunity framework submitted to National Housing Authority

**Thailand** RE 68-001  
Bangkok, Thailand Institute of Scientific and

Technological Research, 1981.

1 volume

*Subject descriptors:* Rural settlements; Infrastructure; Housing

64  
Thai-German land settlement production project (mimeo) (in Thai)

**Thailand** RE 58-001

31 p., 1 volume

*Subject descriptors:* Rural settlements; Infrastructure

65  
The dairy promotion project in the Phra Butha Bath self-help settlement Nikom in Saraburi and Lopburi Provinces

**Thailand** RE 27-001

Bangkok, Bank for Agriculture and Agricultural Co-operatives, 1981.

25 p., 1 volume

*Subject descriptors:* Credit; Natural resources; Rangeland; Co-operatives; Self-help activities; Settlements

66  
Thai-German highland development programme, 5-Year framework plan

**Thailand** RE 38-004  
Chiang Mai, Thai-German Highland Development Programme, 1982.

88 p., 1 volume

*Subject descriptors:* Staff training; Settlements; New settlements

## C. Latin America (by country in alphabetical order)

01  
An unsettling experience: women's migration to the San Julian colonization project

**Bolivia** RE 17-010

Hamilton, S.

Binghamton, NY, Institute for Development Anthropology, Clark University, and Washington, D.C., United States Agency for International Development, 1986.

84 p., 1 volume

*Subject descriptors:* Marketing; Industrial development; Community development; Settlements; New settlements; Spontaneous settlements

02  
New land settlement and regional development: the case of San Julian

**Bolivia** HAB

Binghamton, NY, Institute for Development Anthropology, Clark University, and Washington, D.C., United States Agency for International Development, 1984.

56 p., 1 volume  
*Subject descriptors:* Natural resources; Land clearing; Transport; Housing; Sites and services; Community centre; Settlements; New settlements; Resettlement; Land reform; Zoning; Land use; Community development; Community planning and organization

03

Integrated rural development in a colonization setting

**Bolivia** RE 11-003

Washington, D.C., United States Agency for International Development, 1985.

117 p., 1 volume

*Subject descriptors:* Natural resources; Land clearing; Transport; Roads; Settlements; Resettlement; Health centres

04

Plan regional de desarrollo (volumenes 1 y 3)

**Bolivia** RE 02-0101

Sucre, Corporación Nacional de Desarrollo de Chuquisaca, 1987.

469 p., 2/3 volumes

*Subject descriptors:* Natural resources; Industrial development; Transport; Energy; Telecommunication; Hospitals; Health centres; Urban housing

05

Síntesis del plan de desarrollo regional urbano rural integrado de la región Calvo-Siles

**Bolivia** RE 24-001

Sucre, Corporación Regional de Desarrollo de Chuquisaca, 1984.

98 p., 1 volume

*Subject descriptors:* Marketing; Service centre; Administrative services; Industrial development; Agro-industries; Small-scale workshops; Wood and cork production; Housing; Rural housing; Urban housing; Community centre; Energy; Electricity; Rural electrification; Gas

06

Proyecto de planificación región Calvo-Siles, República de Bolivia

**Bolivia** RE 24-002

Rehovot, Settlement Study Centre, 1984.

274 p., 1 volume

*Subject descriptors:* Service centres; Administrative services; Storehouse; Industrial development; Transport; Rural housing; Community centre; Settlements; New settlements; Urban centres; Land reform

07

Resumen general del plan regional de desarrollo de Cochabamba 1984-1987

**Bolivia** RE 30-001

Cochabamba, Corporación Nacional de Desarrollo de Cochabamba, 1983.

41 p., 1 volume

*Subject descriptors:* Credit; Marketing; Service centres; Administrative services; Natural resources; Industrial

development; Agro-industries; Transport equipment; Transport; Health

08

Homem e natureza na Amazônia (Hombre y naturaleza en la Amazonía). Simpósio internacional interdisciplinar

**Brazil** GI 22.203

Tübingen, Tübinger Geographische Studien, 1987.  
507 p.

09

Integrated development of the Northwest Frontier

**Brazil** GI 00.842

Washington, D.C., Latin America and the Caribbean Regional Office, World Bank, 1981.

115 p., 1 map

*Subject descriptors:* Health; Roads; Transport; Industrial development; Agrarian reform; Tenure; Institution building; Social groups; Landless; Group ties; Rural settlements; Migration; Colonization

10

Das nordöstliche Rio Grande do Sul/Brasilien - Naturräumliche Gliederung und wirtschaftliche Bewertung (The North-Eastern Rio Grande do Sul/Brazil)

**Brazil** GI 00.839

Paderborn, Rönick, Volker, 1981.

148 p., 10 maps

*Subject descriptors:* Industrial development; Agro-industries; Handicrafts; Forestry; Marketing; Agrarian reform; Tenure; Social groups; Rural settlements; Migration

11

Projeto de desenvolvimento rural integrado - Do Vale do Acaraú - Ceara (Integrated Rural Development Project of the Acaraú Valley - Ceara)

**Brazil** GI 00.821

Fortaleza, Ministério do Interior and Banco do Nordeste do Brasil, 1979.

276 p., 11 maps

*Subject descriptors:* Electrification; Health; Education; Physical infrastructure; Housing; Commercial services; Trade; Industrial development; Agro-industries; Handicrafts; Irrigation; Irrigation system construction; Pumps; Institution building; Rural settlements; Settlements hierarchy

12

Regional development in Southwestern Amazonia - The "Polonoroeste" program in Rondonia and the State of Colonization in Acre; evaluation

**Brazil** GI 01.481

Tübingen, Kohlhepp, G. and Coy, M. 1985.

149 p., 6 maps

*Subject descriptors:* Natural resources; Roads; Transport; Road improvement; Maintenance; Rural settlements; Migration; Colonization; New settlements



13  
The integrated development of Brazil's North West Frontier

**Brazil** RE 78-001

Washington, D.C., World Bank, 1980.

108 p., 1 volume

*Subject descriptors:* Credit; Service centres; Transport; Roads; Energy; Settlements; New settlements; Resettlement; Squatters; Land reform; Tenure; Titling; Education; Primary building education; Community development; Integration of minorities

14

Projeto de desenvolvimento integrado da Bahia do Araguaia - Tocantins

**Brazil** RE 53-002

Brasilia, Ministério do Interior, 1982.

833 p., 4 volumes

*Subject descriptors:* Natural resources; Industrial development; Transport; Energy; Settlements; Urban centres

15

Project performance audit report. Brazil. Alto Turi land settlement project

**Brazil** RE 09-006

Washington, D.C., World Bank, 1982.

116 p., 1 volume

*Subject descriptors:* Irrigation; Natural resources; Soil conservation; Industrial development; Agro-industries; Construction; Rural housing; Settlements; New settlements; Spontaneous settlements; Land reform; Titling

16

SWP - Brazil location-factors in the decentralization of industry - a survey of metropolitan Sao Paulo

**Brazil** WA 88.0279

Washington, D.C., World Bank, 1983.

88 p.

*Subject descriptors:* Agro-industrial sector; Economics; Finance; Industrial development; Planning; Rural development

17

Projeto Acarau: sintese informacao dos Estudos

**Brazil** RE 08-007

Rio de Janeiro, Seebia, Engenharia dos Projetos, 1980.

50 p., 1 volume

farmer families

*Subject descriptors:* Service centres; Administrative services; Natural resources; Industrial development; Agro-industries; Beverages; Handicrafts; Transport; Roads; Waterways; Ports and harbours; Housing; Sites and services; Community centre; Settlements; New settlements; Settler selection

18

Desenvolvimento urbano da regioao de PRODIAT

**Brazil** RE 53-017

Brasilia, Ministerio do Interior-OEA, 1985.

226 p., 1 volume

*Subject descriptors:* Industrial development; Transport; Railways; Energy; Hydro-electric power; Settlements; Urban centres

19

Fundamentos e estrutura do programa de desenvolvimento integrado do Medio Araguaia Mato Grossene

**Brazil** RE 53-018

Brasilia, Ministério do Interior/OEA, 1984.

134 p., 1 volume

*Subject descriptors:* Tourism and recreation; Recreation facilities; Transport; Railways; Waterways; Energy; Settlements; Urban centres

20

Rural development programs for Brazil's northeast: an interim assessment

**Brazil** RE 07-033

Washington, D.C., World Bank, 1983.

102 p., 1 volume

*Subject descriptors:* Service centres; Storehouse; Industrial development; Agro-industries; Transport; Roads; Rural housing; Land reform; Titling; Tenure

21

Staff appraisal report, Brazil, Northwest Region development program, phase III, new settlement project

**Brazil** RE 78-008

Washington, D.C., World Bank, 1983.

51 p., 1 volume

*Subject descriptors:* Service centres; Storehouse; Administrative services; Natural resources; Transport; Roads; Settlements; New settlements; Settler selection; Land reform; Zoning; Land use

22

Strukturelle Disparitäten und Entwicklungsprobleme in chilenischen Mittelstädten

**Chile** GI 21.327

Bersdorf, A.; Wilhelmy, H.; Blume, H., Schroeder, K.H.; and Karger, A. (Hrsg.)

Tuebingen, 1976.

155 p.

23

Rehabilitation and reconstruction of physical infrastructure works in the regions affected by the earthquake of March 3, 1985, Valparaiso, O'Higgins, Maule, Santiago

**Chile** RE 16-001

Washington, D.C., Inter-American Development Bank, 1985.

132 p., 1 volume

24

Estructura Socioeconómica del Departamento de Antioquia

- Colombia** GI 01.095  
Bogotá, Programa de Capacitación para Promotores Rurales Convenio ESAP - Fundación Friedrich Naumann, 1982.  
136 p., 5 maps  
*Subject descriptors:* Health; Education; Industrial development; Mining; Quarries; Handicrafts; Rural settlements; Migration
- 25**  
Estudio Socioeconómico - Proyecto hidroeléctrico de Jaguas (Antioquia) - informe final
- Colombia** GI 01-040  
Bogotá, Oficina de Investigaciones Socioeconómicas y Legales (OFISEL); Interconexión Eléctrica S.A. (ISA), 1982.  
244 p., 1 map  
*Subject descriptors:* Roads; Transport; Water supply; Sewerage; Electrification; Health; Primary health care; Disease control; Education; Social infrastructure; Industrial development; Agrarian reform; Tenure; Social groups; Rural settlements; Migration; Medium-sized towns
- 26**  
Proyecto de colonización del Magdalena Media - estudio de factibilidad
- Colombia** GI 00.965  
Bogotá, Instituto Colombiano de la Reforma Agraria (INCORA), 1979.  
311 p., 6 maps  
*Subject descriptors:* Roads; Transport; Health; Education; Commercial services; Credit; Marketing; Agrarian reform; Tenure; Titling; Rural settlements; Migration; Colonization
- 27**  
Estudio socioeconómico del Departamento del Tolima
- Colombia** GI 01-097  
Bogotá, Programa de Capacitación para Promotores Rurales Convenio ESAP and Fundación Friedrich Naumann, 1983.  
76 p., 3 maps  
*Subject descriptors:* Industrial development; Rural settlements; Migration; Institution building; Agricultural research
- 28**  
Project completion report. Colombia. Second Atlantic development project
- Colombia** RE 02-022  
Washington, D.C., World Bank, 1983.  
38 p., 1 volume  
*Subject descriptors:* Service centres; Storehouse; Natural resources; Land clearing; Swamp drainage; Settlements; New settlements; Squatters; Land reform
- 29**  
Impact evaluation report Colombia: Atlantic irrigation project
- Colombia** RE 02-023
- Washington, D.C., World Bank, 1982.  
47 p., 1 volume  
*Subject descriptors:* Service centres; Natural resources; Transport; Energy; Settlements; New settlements; Squatters; Land reform; Agrarian reform; Titling
- 30**  
Proposed loan for a program for urban and regional action in the Pacific coastal areas of Narino and Cauca
- Colombia** RE 65-003  
Washington, D.C., Inter-American Development Bank, 1980.  
35 p., 1 volume  
*Subject descriptors:* Industrial development; Handicrafts; Transport; Roads; Airports; Waterways; Energy; Electricity; Hydro-electric power; Housing; Community centre; Education; Primary education; Secondary education; Vocational education; Health centres; Hospitals; Settlements; Urban centre renewal
- 31**  
Plan Integral de desarrollo del Norte del Valle 1981-1991
- Colombia** RE 64-001  
Cali, Gobernación del Valle del Cauca, 1981.  
328 p., 1 volume  
*Subject descriptors:* Subnational development; Infrastructure; Institution building; Natural resources
- 32**  
Plan de Acción Urbano y Regional para la costa Pacífica de Narino y Cauca
- Colombia** RE 65-002  
Cali, Corporación Autónoma Regional del Cauca, 1982.  
56 p., 1 volume  
*Subject descriptors:* Urban settlements; Rural settlements; Subnational development; Infrastructure; Agricultural development
- 33**  
Regionale Strukturpolitik in Entwicklungsländern
- Costa Rica** GI 21.934  
Diessenhofen, Brugger, Ernst A., 1982.  
444 p.
- 34**  
Proyecto de riego arenal tempisque. Informe del grupo de trabajo del área de agronomía
- Costa Rica** RE 07-003  
San José, 1985.  
52 p., 1 volume  
*Subject descriptors:* Irrigation; Natural resources; Service centres; Workshops; Transport; Roads; Highways; Energy; Community centre; Settlements; New settlements; Settler selection
- 35**  
Project paper Northern Zone infrastructure development

**Costa Rica** RE 05-0033  
 Washington, D.C., United States Agency for  
 International Development, 1983.  
 137 p., 1 volume  
*Subject descriptors:* Transport; Roads; Bridges;  
 Settlements; New settlements; Land reform; Agrarian reform;  
 Self-help activities; Formal groups; Informal groups

**36**  
 Planificación del desarrollo rural integrado de la  
 Region VII - DIGESA, Nororiente de Guatemala

**Guatemala** GI 01.220  
 Rehovot, Centro de Estudios Regionales  
 Urbano-Rurales (CERU), 1980.  
 216 p., 11 maps  
*Subject descriptors:* Education; Physical infrastructure;  
 Housing; Industrial development; Social groups; Rural  
 settlements; Urban centres; Research

**37**  
 Project performance audit report. Guatemala  
 earthquake reconstruction project

**Guatemala** RE 11-002  
 Washington, D.C., World Bank, 1986.  
 97 p., 1 volume  
*Subject descriptors:* Industrial development; Transport;  
 Housing; Urban housing; Urban centres; Sites and services;  
 Settlements; Urban centre renewal

**38**  
 Proyecto de colonización 520-T-026 - franja  
 transversal del Norte

**Guatemala** RE 07-001  
 Guatemala, Instituto Nacional de Transformación  
 Agraria, 1980.  
 20 p., 1 volume  
*Subject descriptors:* Service centres; Administrative  
 services; Industrial development; Wood production;  
 Transport; Rural housing; Community centre; Public housing;  
 Settlements; New settlements; Settler selection

**39**  
 Políticas y propuestas de los centros poblados de la  
 zona fronteriza con la República de El Salvador

**Honduras** RE 13-001  
 Tegucigalpa, Secretaría de Estado en el Despacho de  
 Comunicaciones y Obras Publicas, 1980.  
 90 p., 1 volume  
*Subject descriptors:* Credit; Service centres;  
 Administrative services; Storehouse; Slaughterhouse;  
 Industrial development; Urban housing; Rural housing;  
 Community centre; Settlements; New settlements; Urban  
 centres; Land reform; Land consolidation; Titling;  
 Community development; Community planning and  
 organization

**40**  
 Acciones para la protección de la selva Lacandona

**Mexico** RE 40-001  
 Palenque, Secretaría de Desarrollo Urbano y  
 Ecología, 1986.

7 p., 1 volume  
*Subject descriptors:* Settlements; Resettlement; New  
 settlements; Natural resources; Forestation

**41**  
 Paraguay, Caazapa area development project

**Paraguay** RE 15-001  
 Washington, D.C., World Bank, 1982.  
 101 p., 1 volume (Staff appraisal report)  
*Subject descriptors:* Natural resources; Soil conservation;  
 Forestation; Settlements; Resettlement; Land reform; Tenure;  
 Health; Health centres; Transport; Roads; Community  
 development; Integration of minorities

**42**  
 Project report Paraguay. Comprehensive  
 development in the departments of Paraguay

**Paraguay** RE 11-003  
 Washington, D.C., Inter-American Development  
 Bank, 1981.  
 128 p., 1 volume  
*Subject descriptors:* Credit; Boreholes; Industrial  
 development; Transport; Energy; Settlements; Resettlement;  
 Land reform; Titling; Zoning; Land use

**43**  
 Paraguay - Programme of land settlements  
 consolidation in the Alto Parana and Canendiyu

**Paraguay** RE 14-001  
 Washington, D.C., Inter-American Development  
 Bank, 1980.  
 200 p., 1 volume (Project report)  
*Subject descriptors:* Credit; Marketing; Research; Natural  
 resources; Forestation; Land clearing; Transport; Roads;  
 Settlements; Settler selection; New settlements; Spontaneous  
 settlements; Land reform; Tenure; Titling

**44**  
 Peru San Lorenzo irrigation and land settlement  
 project

**Peru** RE 06-004  
 Washington, D.C., World Bank, 1982.  
 47 p., 1 volume (Impact evaluation report)  
*Subject descriptors:* Rural settlements; Irrigation; Rural  
 infrastructure

**45**  
 Proyecto de planificación Región Pacosan  
 (Pacasmayo-Contumaza-San Miguel)

**Peru** RE 72-001  
 Rehovot, Settlement Study Centre (SSC), 1982.  
 299 p., 1 volume  
*Subject descriptors:* Natural resources; Infrastructure;  
 Rural settlements; Institution building

**46**  
 Documento informativo - Proyecto de desarrollo  
 regional integrado PRODERITH - Cajamarca

**Peru** RE 37-007

Cajamarca, Corporación Departamental de  
Desarrollo de Cajamarca, 1985.

39 p., 1 volume

*Subject descriptors:* Service centres; Administrative  
services; Workshops; Research; Natural resources; Transport;  
Settlements; Urban centres; Settler selection; Land reform;  
Land consolidation; Titling

47

La Población del Peru 1980-2025: su crecimiento y  
distribución

Peru GI XL-PE-S 704

Lima, Dirección General de Demografía. Dirección  
de Estudios de Población, 1984.

59 p., 4 maps

*Subject descriptors:* Rural settlements; Urbanization;  
Demography

48

Propuesta de delimitación de regiones

Peru GI XL-PE-S 715

Lima, Instituto Nacional de Planificación; Dirección  
General de Planificación Regional, 1987.

21 p., 6 maps

*Subject descriptors:* Governmental institutions;  
Urbanization

49

Plan nacional de regionalización

Peru GI XL-PE-S 668

Lima, Instituto Nacional de Planificación, 1984.

58 p., 2 maps

*Subject descriptors:* Public finance; Governmental  
institutions; Rural settlements; Urbanization

50

Migraciones y estructura productiva regional

Peru GI XL-PE-S 667

Henriquez, N. A. Lima, 1980.

92 p., 3 maps

*Subject descriptors:* Industrial development; Trade;  
Employment; Physical infrastructure; Rural settlements;  
Urbanization; Demography

51

Diseño de la investigación sobre: "Migraciones y  
colonización en Puno"

Peru

Puno, Organismo Regional de Desarrollo de Puno,  
Oficina Regional de Planificación, 1979.

15 p.

*Subject descriptors:* Rural settlements; Migration; Social  
groups

52

El Valle del Rio Ene

Peru GI 01.517

Ordóñez, L. Lima, 1985.

155 p., 5 maps

*Subject descriptors:* Health; Education; Culture;  
Marketing; Agrarian reform; Tenure; Institution building;  
Social groups; Minorities; Rural settlements; Colonization

53

Programa de desarrollo de la selva central

Peru GI 01.308

Lima, Instituto Nacional de Planificación (INP),  
1981.

87 p., 8 maps

*Subject descriptors:* Roads; Transport; Institution building;  
Governmental institutions; Rural settlements; Colonization

54

Programa integral de desarrollo de la región Jaen -  
San Ignacio - Bagua

Peru GI 01.311

Lima, Presidencia de la República, Instituto  
Nacional de Planificación (INP), 1982.

*Subject descriptors:* Natural resources; Roads; Transport;  
Health; Education; Industrial development; Agro-industries;  
Mining; Quarries; Institution building; Rural settlements;  
Migration

55

Comunidad gobierno local y desarrollo provincial.  
El caso de Chancay

Peru GI 22.084

Althaus, J.; Delgado, M. C.; and Lopez Guerrero, C.  
E. C. C.

Lima, Fundación Friedrich Naumann; Centro  
Peruano de Estudios para el Desarrollo Regional, 1986.

114 p.

56

Räumliche Planung in Lateinamerika. Analyse und  
Vorschläge stadt-planerischer Instrumente, dargestellt  
am Beispiel Peru

Peru GI 22.436

Baden-Baden, Behnfeld

DSE, Hartwig, 1986.

261 p.

57

Proyecto de planificación del desarrollo rural  
integral de la región de Guanare-Masparro

Venezuela GI 01.403

Barinas, Centro de Estudios Regionales  
Urbano-Rurales (CERUR), and Tel Aviv, Rehovot,  
1980.

374 p., 10 maps

*Subject descriptors:* Physical infrastructure; Health; Social  
infrastructure; Industrial development; Marketing; Institution  
building; Non-governmental organization; Community  
development; Rural settlements; Migration; Rural centre;  
Settlements hierarchy

58

Diagnóstico del area de Cutufi - Estado Apure

**Venezuela**

GI 01.424

Caracas, Fundación para la Capacitación e Investigación Aplicada de la reforma agraria, 1980.  
147 p.

*Subject descriptors:* Water supply; Sewerage; Social infrastructure; Agrarian reform; Tenure; Institution building; Non-governmental organizations; Community development; Rural settlements; Migration

59

Sistemas ambientales Venezolanos - Región Central: Estado Cojedes

**Venezuela**

Caracas, Ministerio del Ambiente y de los Recursos Naturales Renovables, 1983.

*Subject descriptors:* Natural resources; Roads; Transport; Water supply; Sewerage; Social infrastructure; Commercial services; Industrial development; Forestry; Irrigation; Institution building; Governmental institutions; Non-governmental organizations; Community participation; Social groups; Minorities; Rural settlements; Settlements hierarchy; Rural centre

**D. Caribbean****(by country in alphabetical order)**

01

Diagnóstico proyecto de riego Yaque del Norte (PRYN)

**Dominican Republic**

RE 02-002

Santo Domingo, Secretaría de Estado de Agricultura, n.d.

276 p., 1 volume

*Subject descriptors:* Marketing; Industrial development; Agro-industries; Service centres; Administrative services; Credit; Settlements; New settlements; Resettlement; Settlement renewal; Land reform; Primary health centres; Secondary literacy programme

02

Jamaica first rural development project (Loan 1464-IM) project completion report

**Jamaica**

RE 04-005

Washington, D.C., World Bank, 1986.

19 p., 1 volume

*Subject descriptors:* Settlements; New settlements; Natural resources; Land clearing; Soil conservation; Irrigation; Sewerage; Transport; Roads; Marketing

03

Post implementation evaluation report on Cornwall youth and community development project

**Jamaica**

RE 19-002

Kingston, Project Analysis & Monitoring Company (PAMCO) for Government of Jamaica, 1985.

64 p., 1 volume

*Subject descriptors:* Credit; Irrigation; Transport; Energy; Housing; Community centre; Settlements; New settlements; Settler selection; Land reform; Community development; Community planning and organization

04

Report on rural development activities in the first rural development project in 1981/82

**Jamaica**

RE 04-002

Montego Bay, Ministry of Agriculture, 1982.

64 p., 1 volume

*Subject descriptors:* Credit; Marketing; Service centres; Storehouse; Transport; Rural housing; Settlements; New settlements; Settler selection

05

Project Oasis. A case study applying the techniques of project formulation

**Jamaica**

RE 06-003

Bradford, University of Bradford, Project Planning Centre for Developing Countries, 1985.

116 p., 1 volume

*Subject descriptors:* Irrigation; Natural resources; Energy; Rural housing; Community centre; Settlements; New settlements; Settler selection

06

The UDC's sites and services project at Orange Bay, Negril

**Jamaica**

RE 20-001

Kingston, Government of Jamaica, 1987.

10 p., 1 volume

*Subject descriptors:* Urban housing; Sites-and-services; Settlements; Urban centres; Squatters; Self-help activities; Community development; Status of women

07

Report on mission to the Oasis youth settlement project, Ebony Park

**Jamaica**

RE 06-002

Jerusalem, Ministry of Foreign Affairs, Ministry of Agriculture, 1980.

11 p., 1 volume

*Subject descriptors:* Demonstration plots; Irrigation; Welfare; Youth

The district development plan prepared by the "District Department Heads of Ministries" under the co-ordination of the district development officer and the executive committee of the district development committee.

**Road \* Transport \* Water supply \* Health \* Education \* Crop production \* Forestry \* Animal production \* Institution building**

The report provides a brief introduction into the physical background and the demographic and socio-economic profile of the Kilifi District in Kenya. It contains an assessment of project implementation and utilization as well as the distribution and utilization of infrastructure in the District. The trends of agricultural and livestock production are shown and the potential for an increased food production is discussed.

Chapter two gives an overview of the district development strategy and explains the project and programme priorities for 1984 to 1988.

The annex contains the annual work programmes, the two-year rolling plan and detailed activity and time scheduling of the project implementation for 1983-1984.

10

Physical development for Farafenni, Gambia

Gambia

GI 00.043

Ministry of Local Government and Lands  
Department of Physical Planning and GTZ  
Banjul, 1985

47 p., 11 tables, 13 figures, 1 map, pictures

Final draft of the development plan

**Roads \* Transport \* Rural settlement \* Urban development**

The rapid growth of rural growth centres without the highest input of physical planning has caused problems. This draft plan describes the main problems, potentials and development proposals for one region. The report is composed of five chapters dealing with:

- The socio-demographic situation of the area
- Land use and land-use problems
- Physical development strategy
- Problems of implementation and monitoring
- Investment estimate and schedule.

11

Communal lands development plan - a 15 year development strategy, Zimbabwe

Zimbabwe

GI XA-ZW-S 503

Ministry of Lands Resettlement and Rural  
Development  
Harare, 1985

164 p., 5 maps, 19 tables, 4 figures

A conceptual framework plan for restructuring and development of the communal lands in Zimbabwe.

**Health \* Commercial services \* Marketing \* Irrigation \* Co-operatives \* Institution building \* Rural settlements**

This report describes the role and state of communal lands in Zimbabwe. It analyses the development potential in communal areas and points out the problem areas and main constraints for communal lands development.

After an overview of the situation, overall development objectives and long term strategies for communal lands development and agricultural settlements are discussed.

Finally policies, programmes, and priorities for communal lands are introduced, such as agricultural produce pricing, agricultural credit, marketing, extension, health care etc.

12

River basin development authorities - Case study  
Anamora-Imo, Nigeria

Nigeria

GI 10.966

Okoric, Edwin Nnawuihc  
Hamburg, University of Giessen  
Verlag Weltarchiv GmbH, 1988.  
205 p., 52 tables, 6 figures

PhD thesis

**Natural resources \* Nutrition \* Crop production \* Animal production \* Marketing \* Institution building \* Research**

The study describes the river basin development programmes in Nigeria and their contribution towards increasing food production in order to close the existing food supply gap.

The evaluation of this case study was done in different ways, from descriptive to statistical analysis, comparing participants and non-participants in the programme. The settlement and siting aspects of programmes were taken into consideration as well as administration and management, being components of successful implementation.

Policy recommendations are given such as depolitization, decentralization of authorities and extension education among others.

13

Agrarwirtschaft und sozialer Wandel im Baringo District/Kenya

Kenya

GI XA-KE-S 527

Oswald, Karin E.  
Frankfurt am Main, Johann Wolfgang Goethe  
Universität, 1980.

302 p., 81 tables, 17 illustrations, 11 maps and 23 pictures

**Roads \* Transport \* Education \* Marketing \*  
Rural settlement \* Urban development**

This study assesses social changes arising from the formation and development of central places and periodic markets. It takes into account the physical characteristics of the area, the different local economic structures, population density and distances to the nearest centres. A general survey of the agricultural sector has been used as the first step which is used as the base for this study.

The report points out three stages of market development and describes the economic and social functions of market settlements.

Area-specific recommendations are given for further settlement planning.

14

Lamu district development plan 1989-1993

Kenya

GI 01.660

Nairobi, Rural Planning Department, Ministry of Planning and National Development, n.d.

204 p., 3 maps

District development plan prepared by the District Department under the co-ordination of the district commissioner, assisted by the district development officer and the assistant district Development officer

**Roads \* Transport \* Water supply \* Health \*  
Education \* Crop production \* Forestry \* Animal  
production \* Fisheries \* Marketing \* Co-operatives  
\* Institution building**

This document contains a brief introduction to the physical background, demographic patterns and infrastructure distribution of the District. It provides background information on the District's resource base and its state of development.

Chapter two provides the district strategy, the potential for development, the constraints for the exploitation of the potential and the decision on proposed solutions and action.

Chapter three spells out a district policy orientation for the major development sectors. It also lists in order of priority for each sector major projects and programmes which the district development committee wishes to see implemented over the 1989-1993 plan period.

15

Baseline survey on agriculture and living conditions in the Semonkong Region, Lesotho

Lesotho

GI 10.846

Saidi, K. (ed.)

Berlin, Berlin Technical University, Fachbereich Internationale Agrarentwicklung, 1984.

227 p., 20 tables, 9 maps, 8 graphs

A multidisciplinary survey of agricultural production and settlement issues in Lesotho highlands.

**Natural resources \* Physical infrastructure \* Social  
infrastructure \* Commercial services \* Agricultural  
production system \* Marketing \* Rural settlements  
\* New settlements \* Migration \* Central place**

This is a report on various surveys carried out in the Semonkong region to identify development problems, to provide empirical information, and to make proposals for further settlement planning. The main aspects are cropping and livestock systems, migration effects, income sources, and social and economic services at the central place. The study describes the change of a former mission centre into a newly settled service and growth centre and discusses infrastructural requirements while evaluating past performances. The concept of central places is questioned, and their benefits are not easily identified. Environmental dangers become apparent and the administrative set-up needs improvement. Various sector projects are demonstrated and critically reviewed.

16

Planning and operating rural centres in developing countries

Africa

GI 10.958

Thimm, H-U. (ed.)

Hamburg, University of Giessen,

Verlag Weltarchiv GmbH, 1986.

402 p., various figures, tables, graphs

A workshop report on planning, operating and evaluating rural centre performance in various African countries.

**Natural resources \* Roads \* Transport \* Education  
\* Social infrastructure \* Commercial services \*  
Credit \* Marketing \* Institution building \* Rural  
settlements \* Research**

This is a report on studies and papers presented at a workshop in Lilongwe in 1986. It covers mainly African experiences in the development of service centres and decentralization strategies. The role that physical infrastructure before market-oriented agricultural production can take off is emphasized. The papers touch various issues such as planning procedures, participation, administrative organization, links to other development projects, evaluation methods, and research needs. Recommendations include a policy framework for rural centre development, planning procedures, co-ordination needs, and evaluation systems.

17

Establishing rural service and growth centres

**Malawi** GI 10.957  
Thimm, H-U. (ed.)  
Hamburg, University of Giessen,  
Verlag Weltarchiv GmbH, 1986.  
367 p., various figures, tables

7 case studies from various rural growth centres,  
Malawi

**Roads \* Transport \* Physical infrastructure \*  
Health \* Education \* Industrial development \*  
Agricultural production system \* Marketing \*  
Institution building \* Rural settlements \* Research**

After an introduction on the concepts and realities of  
"integrated rural development" and "rural service and  
growth centres", in the beginning, experiences from  
various "rural services and growth centres" (RSGC) in  
Malawi are explained in seven case studies. The reports  
cover various aspects of RSGCs such as agricultural  
development, education, market and health facilities.

Settlement aspects are touched upon selectively.  
Administrative problems, implementation,  
monitoring and evaluation needs are discussed.

18  
Social aspects of rural regional development  
planning in Zomba and Machinga Districts

**Malawi** GI XA-I4W17-001  
Weintraub, D.  
n.p. 1980  
63 p.

First draft paper

**Culture \* Industrial development \* Crop  
production \* Agrarian reform \* Rural settlements**

This paper identifies the four parameters most  
relevant in terms of development and under develop-  
ment - economic growth, economic development,  
distribution of wealth and political participation. A  
social diagnosis has been done which leads to  
recommendations concerning farming, marketing, land  
tenure, industrial development etc. Problems of new  
settlements for farmers are explained through an  
analysis of farmers' perceptions and intentions.

## B. Asia (by author)

01  
Regional development plan for West Pasaman  
**Indonesia** GI 00.576  
Badan Perencanaan Pembangunan Daerah  
(BAPPEDA)  
Vol. I: 205 p.

Vol. II: 107 p.  
appendix of maps

**Economic activities \* Agricultural activities \* Trade  
\* Commerce \* Physical infrastructure \*  
Resettlement \* Rural centres \* Roads \* Social  
infrastructure \* Health \* Education \* Institution  
building \* Community development**

Volume I begins with an introduction to West  
Pasaman (history, geographical structure,  
administration, population, and economy) and the  
development objectives at the different spatial levels  
(national, subnational, provincial). Subnational  
development objectives are: increasing food-crop  
production, implementation of small-scale  
transmigration projects, and improvement of road  
infrastructure. Then follows a section on development  
strategies. As the basis for a target-group analysis and  
taking an integrated approach as methodological  
background, "development areas" are classified (natural  
development potential, location of target groups,  
central places and their access). There is a very detailed  
analysis of development objectives (general aspects  
such as subnational integration, sectoral integration,  
employment) and objective identification from below  
and above (per sector and sub-sector).

In volume II, a detailed "package approach" of 10  
development areas is presented and contrasted with  
existing and planned projects in the West Pasaman  
region.

02  
Integrated rural development programme,  
Hingangaon (Maharashtra), India

**India** GI 10.964  
Escher, H.  
Universität München  
Hamburg, Verlag Weltarchiv GmbH, 1986.  
ISBN 3-87895  
208 p., 18 tables, 15 figures, 3 maps

A study relating the concepts of integrated rural  
development to small settlement structures

**Social infrastructure \* Culture \* Services \*  
Agricultural production system \* Institution  
building \* Social groups \* Rural settlements \*  
Community development**

The author describes the concept of integrated rural  
development and its implementation in India. The  
political atmosphere, represented by the Congress  
Party, in which rural development in India takes place  
is decisive for the final outcome. Based on colonial  
traditions, the measures during the first Five-Year-Plan  
1951-1955 set the basic milestones of land reform,  
community development, co-operative organization  
and village democracy. Different instruments, such as



the support for small farmers and landless labourers, the introduction of drought-prone-area programmes, and the use of agricultural prices and market policies, are described and evaluated against the background of a small village settlement with links to a larger city. The study attempts an evaluation of the policy instruments used and identifies weak links in the system such as insufficient market connections, missing backward links, planning procedures, target groups and poverty orientation.

03

Transmigration settlements in Central Sumatra: identification, evaluation and physical planning

Indonesia GI 00.575  
Surbtion, (Surrey), Hansell, J. R. F., 1981.  
48 p., 8 maps

**Economic activities \* Agricultural activities \*  
Natural resources \* Development \* Physical  
infrastructure \* Colonization \* Rural centres**

This document deals with the transmigration projects (colonization) in Central Sumatra. As an introduction, physical and social environmental aspects are presented (climate, water resources, geology, landforms, soils, land use, local administration, and social organization). This serves as a basis for a four-phase approach to planning and implementing a transmigration project (identification; site verification and evaluation (aims/objectives, constraints); site development (smallholder development, irrigation, tree crops, farming- system options, organization and management, planning of nucleus estates); and physical planning (taking Kuamang Kuning as a case study). In conclusion, recommendations are put forward especially for agricultural development (land clearing, soil conservation, utilization of timber resources, crop inputs, dryland food-crop areas, pastures, management, requirements, extension, marketing and processing and social services.

04

Reconnaissance/identification mission to the hill district of Gorkha and Dhading

Nepal GI 00.65  
Eschborn, German Agency for Technical  
Co-operation (GTZ), 1981.  
Vol. I: 203 p.  
Vol. II: 123 p.  
8 maps in Vol. I, extensive statistical appendix in Vol. II.

**Economic activities \* Agricultural activities \*  
Natural resources development \* Development of  
rural industry \* Trade \* Physical infrastructure \*  
Rural centres \* Water supply \* Road \* Social  
infrastructure \* Health \* Education \* Institution  
building \* Co-operatives**

This is the report of a project finding mission of eight specialists for different sectors to the Gorkha region of Nepal. A sectoral analysis is provided of the district in general, agricultural production, livestock, forestry, rural industry, physical infrastructure, irrigation, health, supporting services, and public administration. Two possible project areas are identified as the basis for a river-catchment approach (Thaple Khola, and the upper hills of Dhading district). A detailed project proposal is elaborated, the objectives of which include a river-catchment approach, sector objectives, and special objectives for the upper hill area. National policy guidelines (local participation, package programmes, administrative integration) and proposal for a time phasing (12 years in total, classified in three phases) and also given as is information on project organization on different (spatial) levels, main activities, and the inputs required for the two-year-long orientation phase. This is complemented by ideas for additional project measures in the area of Salintar Plain.

05

Experiences, conclusions and recommendations from selected transmigration projects

Indonesia GI 00.540  
Fasbender, K., Kopp, A., and Nurut, A.  
Hamburg, HWWA-Institute for International  
Economics, 1981.  
258 p., 1 map

A study of selected transmigration projects with analyses of experiences and problem solutions.

**Natural resources \* Land reclamation \* Roads \*  
Transport \* Water supply \* Sewerage \*  
Electrification \* Health \* Education extension \*  
Credit \* Rural settlements \* Migration \* Research**

This study proposes a subnational framework and identifies relevant projects to support the Indonesian transmigration policy. Main taining a multi-sectoral approach, the proposal is geared to settle transmigrants from Java in thinly populated areas of Kalimantan, Sumatra etc. The study touches on selection and preparation of migrants, land clearing and utilization of the existing biomass during settlement, establishment of various types of permanent settlements, creation of infrastructural facilities, employment, income opportunities, and input supply, as well as the qualifications of executing agencies. The planned transmigration policy hopes to induce pull-effects for spontaneous settlers through adequate settlement organization, links with development centres etc.

Consideration is taken to ensure that these activities are in conformity with sound ecological principles in order to reduce the danger of environmental damage through intensive settlements.

06

Settlement development study West Pasaman

Indonesia

GI 01.488

Kammeier, H.D., Neubauer, E.

Padang, Area Development Project (ADP), 1985.

415 p., various tables, maps and annexes

A follow-up study to the regional development plan for West Pasaman with emphasis on regional settlement and rural centre planning.

**Roads \* Transport \* Social groups \* Rural settlements \* Rural centres \* Settlements hierarchy \* Urban development**

The study contains three major parts, 1. Regional settlement study; 2. Guidelines for rural centre planning in West Sumatra; 3. Planning and programming for Simpang Empat and Ujung Gading. The sequence proceeds from a subnational analysis to rural centre plans and the application of appropriate planning methods to actual district needs. The problems identified are related to the spatial distribution of economic opportunities and social service facilities given the current settlement pattern. The subnational settlement analysis is based on central places and their urban functions in rural development. The subnational distribution of access to selected key services is visualized as a pattern of contour lines that corresponds to a composite index of accessibility and centrality. The analysis turns from the existing situation to simulating the effects of alternative improvements of various services. Results are summarized in a structure plan and programme proposals for rural centre planning.

07

Regional development plan for the Southern Region, Jordan

Jordan

GI 00.621

Ministry for Municipal and Rural Affairs, Amman

German Agency for Technical Cooperation (GTZ), 1984.

419 p., 44 tables, 17 figures, 12 summary sheets, 12 maps

A comprehensive regional planning document with rural, industrial, services and settlement project proposals

**Roads \* Transport \* Water supply \* Sewerage \* Physical infrastructure \* Health \* Education \* Social infrastructure \* Tourism \* Recreation \* Commercial services \* Industrial development \* Institution building \* Rural settlements \* Migration \* Central place \* Settlements hierarchy**

This intensive study and planning document presents a subnational development strategy with policy-oriented project packages. The plan envisages balanced

economic and social growth in the Southern Region within the framework of a stable environment. Projects are designed to create a decentralized hierarchical pattern of settlements, to counteract the depopulation trend in rural areas, and to stabilize living conditions in the Southern Region. They are based on specific studies of urban and rural housing development, small- and medium-scale industry location, urban settlement programmes, exploration of mineral resources, implementation of integrated rural development schemes, inter-Regional transport services, and environmental management considerations. Large maps with the proposed settlement pattern are provided.

08

The role of small cities in regional development

Asia

GI 22.131

Om Prakash Mathur (ed.)

Nagoya, United Nations Centre for Regional Development, 1984.

Case studies of small towns and intermediate cities in regional and national development

**Roads \* Transport \* Water supply \* Physical infrastructure \* Health \* Education \* Services \* Social infrastructure \* Industrial development \* Rural settlements \* Urban development**

This book gives a broad overview of the functions and potential of small cities in subnational development. At first the share of small cities in urban growth and hierarchy is established. Secondly, the growth performance of small cities in regional and national development is measured, and thirdly attempts are made to answer the question: what makes small cities grow? The indicators used are location hinterland, infrastructure, human resources, historical evolution, and administrative status. Policies for strengthening small cities are proposed.

The book includes a large spectrum of typical small cities in Algeria, Brazil, China, Ethiopia, Ghana, Kenya, the Republic of Korea, the Philippines, and Zaire. The findings of the different authors show the expected large variety of determining factors and specific conditions for each small city to expand or to consolidate its economic and social activities. In general, the findings conclude that small cities have important link functions in rural and urban economies, and that most of them need substantial restructuring of their economy to create job opportunities for the existing labour force. Their role in the national settlement systems has to be strengthened.

09

Promoting central places in the area development of West Pasaman

**Indonesia** GI 00.548  
Pamvucak, E.S.  
Padang, BADEPA, 1984.  
24 p., 2 maps

**Economic activities \* Agricultural activities \* Trade \* Commerce \* Physical infrastructure \* Rural centres \* Social infrastructure \* Health \* Institutional development \* Community development**

At a basis of the general development goals of Indonesia, this study gives an insight into the provincial development goals (infrastructure, employment generation, rural centres). Descriptive information is provided on the main parts of this project (on each sectoral aspect more detailed studies should be available). Some main functions of rural centres are defined (education facilities, health centres, agricultural services, community services, trade, commerce and industry). This leads to a classification of the districts in respect of "people with sufficient access to infrastructure". For the town of Simpang the implementation of different measures to serve as a central place for the wider area is proposed.

10

Lampang region - Thailand, an integrated rural development project

**Thailand** GI 00.142  
Prion, I., Maos, J., Pelley, D., and Wald, Y.  
Rehovot, Settlement Study Centre (SSC), 1980.  
ISBN 0333-6115  
232 p., 109 tables, 13 maps, 2 graphs, 5 diagrams

A multidisciplinary planning exercise to develop an optimal settlement structure in Lampang region.

**Health \* Education \* Commercial services \* Trade \* Industrial development \* Community development \* Rural settlements \* New settlements**

This is a study of Lampang area which tries to pursue an integrated planning approach. It starts with the diagnosis of the agricultural, industrial and service sectors and continues with macro-, spatial and sectoral planning aspects. The last part shows physical planning and programming of services in selected areas. The roles of industrial parks, land parcels, and electricity and water supply are properly mentioned. The organizational, administrative and co-operative structures were identified and need improvement. Empirical statistical data were gathered with great intensity. Income depends more on intensive use of cultivable land than on area expansion. The comprehensive area plan focuses on three settlement patterns: existing villages, new settlements,

resettlement of dispersed peasants living on isolated holdings. Rural service centres were planned accordingly.

11

Die Verstadterung der Eastern Province von Saudi Arabien

**Saudi Arabia** GI 21.201  
Reichert, H.  
Stuttgart, Stadtebauliches Institut der Universitat Stuttgart, 1980.  
ISBN 3-7828-1444-4  
245 p. numerous maps, plans, diagrams, photos

A planning document for the Eastern Province of Saudi Arabia with special emphasis on regional and urban development.

**Natural resources \* Roads \* Transport \* Water supply \* Physical infrastructure \* Social infrastructure \* Industrial development \* Institution building \* Rural settlements \* Urban development**

This study provides an in-depth discussion of all major aspects of urban development in a context of subnational resources. It traces the historical and natural conditions for urban growth against the background of theoretical explanations in the existing literature. The problems of urban development in the Eastern Province are demonstrated with data of settlement structures, economic activities, population trends and conflicts of competing land use. Urban concepts, such as compromise between traditional and modern Arabic thinking, are discussed as are planning ideals to guide administrative procedures in planning institutions. The author explains different strategies of decentralization, urbanization and infrastructural planning, and proposes different forms of organization for housing and community development. The findings point to the need for integrated planning strategies, but efficient sectoral implementation. The study is complemented by several case studies of urban development of typical oasis settlements in Eastern Province.

12

Planning perspectives for Kabupaten Kutai, Kalimantan

**Indonesia** GI 00.564  
Roelcke, G., Fasbender, K.  
Samarinda, Transmigration Area Development Project, 1983.  
130 p., various tables and matrices.

An input paper for the preparation of the Kutai district development plan, 1984-1989

**Health\* Education \* Commercial services \* Industrial development \* Crop production \* Animal production \* Fishery \* Aquaculture \* Rural settlements \* Colonization \* Migration \* Central places \* Research**

This study of Kutai district has been written to support "bottom-up" planning at the subnational level. It tries to incorporate overall macro-economic goals and policies of the Fourth Five Year Plan 1984- 1989 with sectoral and subnational development potentials and on-going land- and area-use patterns. The study provides a wealth of relevant information about soft and hard infrastructure, agriculture, industry, mining, services etc. as a base for settlement programmes of the transmigration or resettlement type. A spatial overview identifies development areas and centres as well as lagging zones. The individual development areas are described in detail. Key issues are presented for further planning purposes in the form of tables and matrices to highlight connections between various planning activities and to facilitate later reviewing.

13

Spatial analysis for regional development, a case study in the Bicol River basin

**Philippines**

GI 15.211

Rondinelli, D. A.

Syracuse, Maxwell School of Citizenship and Public Affairs, Syracuse University, and Tokyo, United Nations University, 1980.

ISBN 92-808-0166-X

45 p., 11 tables, 5 figures, 3 planning models, 17 pictures

A case study reporting the results and analysis of field work in the Bicol River basin of the Philippines as part of a resource systems theory and methodology series.

**Natural resources \* Rural settlements \* New settlements \* Resettlement \* Migration \* Central places \* Medium-sized towns \* Settlement hierarchy**

This study starts with a discussion of the principles of organization and methodology selection, and lays out a normative approach for the planning process, the optimum design, the use of applied research methods easily understood by policy-makers, and for the use of existing data thus limiting new data collection to fill information lacunae only. The study continues with a resource analysis of the Bicol River basin through a data inventory and baseline study. It presents tables on occupation quotients, socio-economic profiles of municipalities and on the centrality, functional complexity and settlement hierarchy of settlements. The main findings are highlighted through a "scalogram" for built-up area settlements. The last part of the book concentrates on links among settlements in the basin area and presents three planning models for

the selection of subsidiary service centres using relative partitioning techniques. A large table summarizes all services, facilities and infrastructure proposed for each settlement level in Bicol River basin. The study ends with major recommendations for decentralization, "decentralized concentration", and minimum investment packages for all three levels: rural service centres, small cities, and subnational centres.

14

Umsiedlungsprogramme für Chinas Jugend 1955-1980

**China**

GI 10.673

Scharping, Thomas

Hamburg, Institut für Asienkunde, 1981.

ISBN 3-921469-79-1

575 p., 40 tables, 8 maps

A comprehensive study of settlement programmes in the People's Republic of China since 1955.

**Physical infrastructure \* Social infrastructure \* Culture \* Services \* Industrial development \* Agrarian reform \* Institution building \* Social groups \* Rural settlements \* New settlements \* Resettlement \* Migration**

This study concentrates on large settlement projects of the Chinese Government between 1955 and 1980 to settle or resettle millions of young peasants in development regions of mainland China. Urban and rural sociology methods are mainly used to analyse the various programme periods which have to be categorized as settlement schemes with an ideological background. The author discusses the problems involved against the background of the employment and modernization needs of China and describes the socio-economic and political conditions under which the settlement schemes were implemented. The need to reduce population pressure in cities was combined with plans to develop rural areas which lagged behind necessary modernization. The actual process and intensity of the various settlement phases are described at length and allow interesting insights into the different programmes, e.g., settlement of young people in new areas 1955-1960, resettlement of young migrants 1955-1978, resettlement of urban youth in rural areas 1955-1967, and finally the resettlement of urban youth after the "cultural revolution" 1968- 1978. The author draws a number of conclusions from the experiences concentrating on conceptual and goal conflicts, strengths and weaknesses of implementation, reached and unreached goals and puts the programme results into an international perspective.

15

Regional development study for Al Mahwit Province, Yemen

**Yemen**

GI 00.766

Schneider, W., Ungeth, H.  
Stuttgart, Institute for Project Planning Ltd., 1984.  
210 p., 13 annexes, 16 figures, 25 tables, 14 maps

An implementation-oriented regional development study with 19 project proposals for immediate action.

**National resources \* Road \* Transport \* Water supply \* Sewerage \* Energy \* Health \* Nutrition \* Education \* Industrial development \* Agricultural production \* Institution building \* Rural settlement \* Migration \* Central place \* Settlements hierarchy**

This study is based on data collected and presented according to sectoral and subnational problem areas. It shows a basic-needs and resources orientation. The main problem areas are identified as, low farm income from food production, insufficient non-farm employment, non-existing domestic water supply, bad conditions of rural roads, weak health and educational services, and diminishing carrying capacity. The main strategies proposed are: (a) to follow a "territorial" strategy to strengthen productive capacities and infrastructure; and (b) to concentrate on small farms, rural industries, water supply, rural roads, and health and education. Governmental and non-governmental institutions have to be supported to achieve these goals. The availability of investment capital is analysed and the willingness of the local population to participate in the financing of communal infrastructure is identified. A detailed programme outline and numerous project proposals are provided.

16

Spontaneous and planned settlement in Southeast Asia

Asia GI 15.273  
Uhlig, H. (ed.)  
Giessen University, FRG  
Hamburg, Institute of Asian Affairs, 1984.  
ISBN 3-88910-010-4  
331 p. 51 photos, 30 maps, 7 figures, 31 tables

An introduction into spontaneous and planned settlement activities in ASEAN countries with particular examples from Thailand

**Natural resources \* Physical infrastructure \* Social infrastructure \* Agricultural production system \* Shifting cultivation \* Rainfed agriculture \* Dryland farming \* Irrigation farming \* Rural settlements \* Colonization \* New settlements**

This book consists of two parts. The first part gives an overview of colonization processes in Asia in recent years. The authors try to answer the question: more rice bowls or commercial agriculture by upland cultivation? They answer by describing the transformation process of South-East Asia's agriculture and explore the

potential of tropical soils under permanent dryfield cropping. They then analyse the various land clearing trends in Indonesia, Malaysia, the Philippines, and Thailand and evaluate their results comparing critically spontaneous and government-sponsored settlement schemes. A number of points, such as public costs, protection of natural resources, selection criteria for settlers, extension effectiveness, technology level etc. are mentioned and their impact is discussed under the various local circumstances. The second part concentrates on the extension of dryland agriculture in Thailand with maize, sugarcane, cassava etc., and explains the background of spontaneous land clearing by smallholders on the Korat plateau and of large-scale farmers in the Chonburi hinterland. Studies of villages and of the development of central places complement the agricultural-oriented information.

17

Spontaneous settlement formation in rural regions

Africa, Asia, Latin America GI 25.916  
Volume I : Conceptual Framework and Guidelines for Action  
Volume II : Case Studies  
Nairobi, United Nations Centre for Human Settlements (Habitat), 1986.  
ISBN 92-1-131041-5

A study into the causes of spontaneous-settlement processes and of specific policies for new land settlement.

**Natural resources \* Physical infrastructure \* Social infrastructure \* Services \* Rural settlements \* New settlements \* Resettlement \* Urban development \* Research**

This study tries to fill the widely-felt research gap about the spontaneous and largely unassisted formation of new settlements on the margins of existing rural settlements, in remote rural regions, on abandoned or underutilized lands, or on land previously under forest or pasture. The rate of such settlement is closely connected with the rate of deforestation. The book is divided into two volumes. The first one outlines policies which can support spontaneous settlers without diminishing their initiative and which can minimize the harmful effects of disorganized encroachment on sensitive ecological zones, including their fauna, flora, and native population. The spontaneous-settlement process is characterized by the following elements: movement, encroachment, land, settlement, survival, and intervention. The second volume contains case studies from Indonesia, Kenya, Sri Lanka, and Thailand and from the humid tropics of Latin America. General tenure issues and interrelationships between government-sponsored and spontaneous settlements are also discussed. Both volumes present a much-needed world-wide coverage of all major aspects of spontaneous settlement.

## C. Latin America (by author)

**01 -**  
Municipio de Moniquira - plan integral de desarrollo, Tomo III

Colombia GI 01.041  
Moniquira, AS-PLAN LTDA, Asesores y Planificadores Nacionales, 1984.  
160 p., several maps

**Economic activities \* Natural resources development \* Agricultural activities \* Industrial development \* Trade \* Commerce \* Physical infrastructure \* Housing \* Rural centres \* Roads \* Electricity \* Water supply \* Waste disposal \* Social infrastructure**

The development plan for the municipality of Moniquira (Departamento of Boyaca) is intended to achieve a better co-ordination of development in the urban and rural areas through an integrated planning approach. The analysis of the potential (natural resources, economic activities, infrastructure) is used as a basis to identify the major "development axis" (Entwicklungssachse) and a "triangle of development" based on three intermediate cities. Starting from the detailed and extensive diagnosis of all basic aspects of the area a development plan is presented dealing primarily with: basic development strategies/goals of priority (e.g., maintaining the diversified structure of agricultural production), indicative measures (e.g., social organization, education/culture), strategic measures (e.g., economic infrastructure), extra plans for each part of the "municipio"; and a calculation of investment required to achieve the development goals.

**02**  
Atlas regional de Piura

Peru GI 01-653  
Bernex de Falen, N. and Revez, B.  
Lima, Centro de Investigación y Promoción Campesinado/Universidad Católica del Peru, 1988.  
203 p., various maps and photographs. An atlas for regional planning in the Departamento of Piura

**Economic activities \* Agricultural activities \* Natural resources development \* Industrial development \* Trade \* Commerce \* Tourism \* Physical infrastructure \* New settlements \* Land reform \* Housing \* Rural centres \* Roads \* Social infrastructure \* Institution building**

The planning atlas for the "Departamento Piura" (Northern Peru) presents extensive and detailed information on all aspects that are relevant for the development of the Department: history, natural resources, economic exploitation of the natural

resources (identifying the main focus during different periods), land tenure, irrigation systems, population growth, settlement patterns and their functional-spatial interrelation, existing central places and identifying areas/sectors which are still lacking services.

Smaller spatial units (subregions) are classified on the basis of the spatial-economic potential and the recent level of the respective (economic) exploitation. In respect to the quantity, the wide range of regional-based information and the analytical level of the conclusions drawn from the data collected in this document is of exceptional quality for Peru.

**03**  
Ciudad y región - los límites del nuevo descentralismo

Peru GI 01.654  
Caravedo, B.M.  
Lima, Fundación Bustamente de la Fuente, 1980.  
249 p.

Case study of three Peruvian cities, taking one of each natural regions Trujillo, Cuzco, Iquitos

**Economic activities \* Industrial development \* Trade \* Commerce \* Physical infrastructure \* Rural centres \* Roads \* Electricity \* Water supply \* Waste disposal \* Institution building**

The first three chapters introduce the problems of centralization in Peru (as they affect the population, the economy and urbanization). The concept of decentralization is discussed and the state of implementation so far in the different fields is described. This serves as a basis for a comparative analysis of three intermediate Peruvian cities. Taking Trujillo (coast), Cuzco (mountains) and Iquitos (forest) as examples, all the natural areas in Peru are covered. The following criteria are discussed in each case study: population and urban growth, production structure, urban/regional industry structure and the prospects of its development, tertiary sector aspects, infrastructure and supply of goods/services for basic needs and urban consumption. Finally, the quite different structure of these three intermediate cities is analyzed as well as their respective functional-spatial interrelation. Extensive statistics are given in the appendix.

**04**  
Amazonia Peruana 9

Peru GI 01.367  
Lima, Centro Amazónico de Antropología y Aplicación Práctica, 1983.  
73 p.

**Physical infrastructure \* New settlements \* Colonization \* Housing \* Social infrastructure \* Education \* Culture \* Institution building \* Self-help activities \* Development of native communities**

Three of the four contributions put stress on ethnological and anthropological subjects. The settlement structure of the Peruvian Indian tribes (Candoshi, Mai Juna, Uni/Cashibo) serve as a back ground in this context.

The contribution of H. Martin (one of the best known Peruvian scientists working on migration pattern) discusses the results of scientific work on migration and the settlement process in the Amazon basin of Peru. As a consequence, the author points out areas that still require more detailed study: e.g., intraregional migration in the Amazon region; the role of the cities Iquitos and Pucallpa in the colonization of the Peruvian tropical lowlands; studies on how migrants assimilate themselves into urban economies; concepts, instruments, results of military-sponsored colonization schemes; effects of public investment projects in infrastructure and roads.

05

Las comunidades nativas y el Mito del Gran Vacío Amazónico

Peru

GI 01.368

Chase Smith, R.

Lima, Asociación Interétnica de Desarrollo de la Selva Peruana, 1983.

183 p.

**Natural resources \* Agricultural activities \* Physical infrastructure \* New settlements \* Colonization \* Resettlement \* Social infrastructure \* Institution building \* Community development**

This study deals with one of the largest colonization projects in Peru (Pichis Palcazu at the beginning of the 1980s from a clearly "dependencia-based" point of view. The basic goals of the Pichis Palcazu project (e.g., directed colonization in the central Ceja de Selva to "redirect" the constant movement of migrants towards the capital of Lima) are rarely mentioned, although extensive and detailed information (reports, publications) is available.

Emphasis is put clearly on the situation of the native communities (comunidades nativas) in the area of influence of the project (especially in the Palcazu valley, which is one out of five quite different sub-areas of the project). Extensive socio-economic data are collected at community level. But these data are not put into a "functional-spatial interrelation".

It should be mentioned that the author emphasises the aspects of native settlements (structures) in the area of colonization projects which very often are not studied sufficiently.

Providing detailed (descriptive) data on this aspect it would have been very interesting to connect them with the (from the technically point of view advanced) official settlement planning in the area of the Pichis Palcazu project. That would allow the achievement of a

more analytical level to identify basic areas/subjects of conflict in this field. For this purpose the document can serve as "basic information".

06

La Planificación en el Área del C.A.R.

Colombia

GI 01.033

Bogotá, Corporación Autónoma Regional de la Sábana de Bogotá y los Valles de Ubaté y Chiquinquirá, 1980.

81 p., 10 appendixes (maps)

**Economic activities \* Agricultural activities \* Industrial development \* Trade \* Commerce \* Physical infrastructure \* Rural centres**

This document contains the contributions of different departments of the Regional Development Corporation for the Sábana de Bogotá and the Ubaté and Chiquinquirá Valleys presented to the seventh congress of the Sociedad Colombiana de Planificación.

Demographic data serve as the basis for the analysis of the spatial distribution of settlements in the area of influence of the Corporation. This information is elaborated for a prognosis on population (and its spatial distribution) at the level of municipalities. The results lead to the (justified) conclusion that the process of urbanization - especially in Bogotá - will go on (at an accelerated speed) and therefore additional areas are required. Regional planners should take into account respective areas (for urban growth) in their concepts, if they do not wish to lose control of this process.

For the areas of influence of the Corporation a classification of areas is presented as a basis of the spatial development in the future. The categories are: urban areas; areas dedicated to agriculture and forestry (intensive and extensive exploitation separately), water reservoirs and lakes.

07

Plan de desarrollo de La Libertad 1987

Peru

GI

Trujillo, Corporación de Desarrollo Departamental de La Libertad, 1987.

148 p.

**Economic activities \* Natural resources development \* Industrial development \* Trade \* Commerce \* Physical infrastructure \* Rural centres \* Roads \* Water supply \* Waste disposal \* Social infrastructure \* Institution building \* Community development**

The regional development plan of the "Departamento La Libertad" (Northern Peru), compared with similar documents on subnational-level planning in Peru, offers a very detailed and extensive collection of basic socio-economic indicators (at the provincial level) covering the following main items:

population, natural resources, infrastructure, energy, and public administration. The second part of the document deals with the development goals for 1986. Priority is assigned to: supporting agriculture and industry (of La Libertad); and administrative decentralization - especially at the level of "micro regiones". Worth mentioning is the chapter on approaches to multisectoral planning and its sections: planning for micro-regional development, spatial organization and natural resources (what already exists, what can be done to develop a central places system, the functional interrelations which exist), and public administration and its effects on spatial organization. The last part of the document gives a good idea of the measures that have to be realized and the investments for each sector that are required to reach the goals.

08

Individual versus Co-operative Colonization in the Rurrenabaque-Yucumo Colonization Project, Bolivia

Bolivia

GI 01.571

Eastwood, D.A. and Pollard, H.J.

46th International Congress of Latin Americanists, Amsterdam 1988

9 p.

Contribution presented to the Symposium "Small and Intermediate Cities" of the above mentioned Congress

**Economic infrastructure \* Agricultural activities \* Natural resources development \* Physical infrastructure \* New settlements \* Land reform \* Rural centres \* Roads \* Social infrastructure \* Institutional infrastructure**

This is an outline of Bolivian politics in the field of colonization of the tropical lowlands to introduce a field study of a colonization project in northern Bolivia.

The project area lies along the highway project connecting the capital of La Paz in the mountains with the Departamento Beni in the tropical lowlands. Examining the project organization, different approaches are revealed, starting with a combination of individual and communal land tenure, changing to the promotion of individual colonization patterns and coming back recently to support communal colonization patterns in the Rurrenabaque-Yucumo area. Some years ago the institution in charge of the project started to work out a concept for small-sized rural settlements, which should offer basic services. Analysing the implementation of this approach shows a lot of planning errors and problems closely connected to missing continuous financing of planned project measures.

The reasons for this obvious colonization failure are analysed (e.g., many migrants in the Rurrenabaque-Yucumo project came from the Sierra, having no or very limited experience in tropical agriculture, health problems etc.).

09

Donde va el Chapare?

Bolivia

GI 00.806-G

Flores, G. and Blanes, J.

Cochabamba, Centro de Estudios de la Realidad Económica y Social 1984.

273 p.

**Natural resources \* Trade and commerce \* Physical infrastructure \* New settlements \* Rural centres \* Roads**

This book resumes the history of colonization projects in the Chapare region (Departamento Cochabamba - Ceja de Selva/Montaña of Bolivia). Between 1975 and 1980 the Chapare turned out to be one of the most important Bolivian areas to grow coca. The study gives detailed descriptive information on reasons for colonization, the different approaches and the changing colonization pattern. Analytical conclusions (e.g., what might be the direction of the Chapare as the title asks: ¿ a donde va?) are not drawn. This refers to the part "rural settlements" also. Owing to the specialization of the authors (sociologists), the book offers quite a lot of fundamental information related to the rural society of the Chapare. Taking into account that the Chapare is still a highly conflictive area (judged from the political, social and economic points of view) this paper is necessary fundamental information for the writing of a development plan.

10

Ciudad Constitución - Nuevo núcleo urbano en la selva central del Perú

Peru

GI

Gianelli, J.

Lima, Instituto Nacional de Desarrollo/Proyecto Especial Pichis Palcazu, 1983.

24 p. (DIN A3), 18 p. annexes (maps)

**Economic activities \* Agricultural activities \* Natural resources \* Industrial development \* Trade and commerce \* Physical infrastructure \* New settlements \* Housing \* Rural centres \* Roads \* Electricity \* Social infrastructure \* Education \* Culture**

With this project, Julio Gianelli won the competition for architects/planners for the conception of a new urban centre (Ciudad Constitución) for infrastructure and service functions in the area of the colonization project of Pichis Palcazu. Detailed and carefully elaborated proposals and planning documents are presented on the geography of the area in general, the area of influence of the intermediate city, as well as the functional and spatial organization of Ciudad Constitución (in each of its development stages). The planning of an urban centre for the central Ceja de Selva region is combined with the identification of



already existing central places of minor categories (second/third level).

Taking geographic, economic, social and administrative aspects of the area in one setting, still-missing factors are identified and appropriate measures are proposed.

11

Propuesta de desarrollo de largo plazo (Año 2000)  
Departamento Puno

Peru

GI 01.307 (I-III)

Lima, Instituto Nacional de Planificación, 1983.

90 + 44 p., 64 appendixes, 2 maps, 3 volumes

**Economic infrastructure \* Agricultural activities \*  
Natural resources development \* Industrial  
development \* Trade \* Social infrastructure \*  
Housing \* Rural centres \* Roads \* Water supply \*  
Waste disposal \* Institution building**

This is a detailed and carefully elaborated document on long-term development strategies for the "Departamento Puno" (Peruvian Altiplano, at the frontier with Bolivia). The three volumes include: regional analysis (vol. 1); proposals for a long-term orientated model of spatial organization (vol. 2); and planning of investment funds required in the period 1984 to 1987 (vol. 3). The analysis covers the following components: general characteristics of Puno (geography, history, interregional integration) economic and human resources, natural resources, tourism, population, economic and social structure, infrastructure, State activities in development projects, current spatial organization (distribution and density of population, system of central places, development axis - existing and to be developed at the basis of rational criteria). In volume 2 the same methodology is used for general development goals and goals for each economic sector, such as infrastructure, levels of central places and public administration, among others. In volume 3 the measures to achieve the goals are listed, and the funds needed are calculated.

12

Avances tareas de la regionalización

Perú

GI

Lima, Instituto Nacional de Planificación, 1989.

33 p., 7 p. appendixes

Collection of the most important laws and additional regulations for the process of regionalization in Perú

This document presents the basic laws and complementary regulations for the process of regionalization in Perú (thus filling a real need for basic information about the subject). The legal documents are classified into the following groups: basic laws (e.g., the Constitution of 1979 and the Law of

Regionalization); complementary laws (e.g., concerning bank activities, budget for the public administration in 1989, regulations to decentralize public institutions/ministries, admitted public consultations in respect to regional delimitation); laws still to be passed (e.g., financing of regional governments, regional participation in the benefits from the exploitation of regional natural resources); and proposals for additional regulations, e.g., to assure that the regional governments will not end in bureaucracy (e.g., jurisdiction of regional governments, competences/functions of municipalities, funding of banks to support regional development). A not very extensive but still meaningful statistical appendix about economic, social, spatial structure of the new administrative units on regional level is included.

13

Geopolitische und energiewirtschaftliche  
Rahmenbedingungen - Sozio-Ökonomische und  
Ökologische Folgen von Groakraftwerk und Stausee  
Itaipu am Rio Paran (Brasilien/Paraguay)

Latin America

GI 01.480

Kohlhepp, G.

Tübingen, 1985.

150 p.

**Economic activities \* Industrial development \*  
Physical infrastructure \* New settlements \*  
Resettlement \* Rural centres \* Electricity \* Water  
supply \* Social infrastructure \* Institution building**

This study concentrates on the limiting factors and visible effects of the Itaipu dam irrigation and hydroenergy project at the frontier of Brazil and Paraguay. The analysis is classified in five categories: (a) general information about hydroelectric projects along the Paran valley; (b) the Itaipu project agreement and project performance up to 1985; (c) political and economic aspects (e.g., problems between Brazil and Argentina on how to agree in using the hydroelectrical potential of a river crossing the two countries, while strengthening the dependency between Brazil and Paraguay; (d) natural and socio-economic conditions - their visible changes (analysed from the Brazilian and the Paraguayan points of view; and (e) dynamics and forms of the subnational development process in the area of influence of the Itaipu project (expropriation, problems of planning and implementation of resettlement schemes, changes in settlement patterns and the economic structure, impulse for urban development in the regions of Foz do Iguazu and Puerto Presidente Strocsnecr).

14

La Amazonia presente y ...?

Ecuador

GI

Larrea, F. (ed.)

Quito, Coedición Ed. ABYA-YALA, Grupo  
Ecologico Tierra Viva, ILDIS 1987 and 1988.

**Economic activities \* Agricultural activities \*  
Natural resources development \* Industrial  
development \* Physical infrastructure \* New  
settlements \* Rural centres \* Roads \* Social  
infrastructure**

This book contains all contributions presented to the Congress Análisis Medio Ambiental de la Región Amazonica (Analysis of the Environment in the Amazona Region) held from 25 to 27 May 1987. The contributions are classified in four main sections, each section dealing with some of the above-mentioned descriptors. Ecology and development (e.g., situation of the tropical rain forest in Latin America) is an additional subject.

The Ecuadorian Amazon region after the earthquake of March 1987 is described, including Indian tribes and ecology, development projects and natural disasters in the Amazona region.

Ecological problems involve colonization projects and their effects on Indian tribes (e.g., losing territory), petroleum production and ecological problems as well as ecological and social problems connected with the "Palma Africana" - plantations.

International co-operation projects are discussed, as are contributions to possible planning approaches, political measures (e.g., analysis of institutions working in the Amazona region). Abstracts of round-table-discussions are presented in the last part of this document.

## 15

Region Sur Oriente (El derecho que le asiste)

Peru

GI 01.344

Meza Monge, N.  
Cusco, 1985.

**Economic activities \* Agricultural activities \*  
Industrial development \* Trade and commerce \*  
Tourism \* Physical infrastructure \* Roads \*  
Electricity \* Settlements \* Social infrastructure \*  
Institution building**

In the first three chapters the author discusses the basic articles and their effects of the three Peruvian Constitutions (1920, 1933, 1979) in respect of regionalization and decentralization in Peru.

The second part of the document gives a closer insight into the Sur-Oriente (Departamentos: Apurimac, Cusco, Madre de Dios). The following aspects are covered: natural geography, different socio-economic criteria (dealing only with Cusco Department, thus underlining the lack of statistical data at subnational level in Peru), public investment, infrastructure and accessibility (of regions/towns), the system of central places, natural resources (soil, forestry, hydroenergy, mining), economic and social organization, existing

administrative units and their spatial limitations, and aspects of national security.

Thus all aspects of priority - mentioned in the national law of regionalization - are practically touched in a case study of one region. Subregional classification (methodology, availability of data) is not taken into account. As the main problems for the further regionalization process the author identifies: the decision to establish a new regional capital (a subject that is linked to: gaining/losing political influence, migration, changing of the settlement pattern), composition of the "regional assembly" (electing the regional parliament), distribution of budget funds etc.

## 16

Urbanização e Mudanças em Cidades Médias do Interior do Estado de Sao Paulo

Brazil

GI 01.573

Miceli Kerbauy, M.T.

Amsterdam, 46th International Congress of Latin Americanists, 1988.

18 p.

Contribution presented to the Symposium "Small and Intermediate Cities" at the above-mentioned Congress

**Economic infrastructure \* Industrial development \*  
Trade and commerce \* Physical infrastructure \*  
Housing \* Rural centres \* Roads \* Social  
infrastructure \* Education**

This contribution to the Latin Americanists Congress in 1988 analyses the process of urbanization in the interior of Sao Paulo State. From 1940 to 1980 the percentage of urban population grew from 44 to 89. Two main reasons are given to explain this process of a still-growing population in Sao Paulo: high rates of migrants to the capital of the state and effects of the "coffee-boom".

The urbanization of inner Sao Paulo can be characterized by some general indicators: changes in economic structure and changing composition of social classes. These general indicators allow a more detailed analysis of 11 intermediate municipalities (ranging from a population of 100,000 to 150,000). The following criteria are employed in each case: population, index of urbanization, percentage of urban-based population, distribution of income, percentage of illiteracy, and child mortality. Finally an even more detailed analysis of the town of Araraquara is presented.

## 17

Ejes fluviales fronterizos del territorio federal Amazonas

Venezuela

GI 01.508

Caracas, Ministerio del Ambiente y de los Recursos Naturales Renovables, 1982.

94 p.

**Economic infrastructure \* Agricultural activities \*  
Natural resources development \* Physical  
infrastructure \* New settlements \* Rural centres \*  
Roads \* Social infrastructure**

The document is a preliminary diagnosis of five subregions of the Orinoco and the Guainia Valley in the Federal Territory of the Venezuelan Amazon region. The comparative analysis of socio-economic factors shows the dynamics of economic systems in frontier regions: availability (and exploitation) of energy and renewable natural resources have usually highest priority.

The analysis in all subregions covers the following: main factors of natural geography; identification of the most important settlements; existing services and functions; population (spatial organization and ethnic classification); prognosis for the future demographic structure; social infrastructure; economic activities; infrastructure and transport. It is worth mentioning that for each subregion basic socio-economic criteria are set. Further, the spatial structure and tendencies of the development process at the Brazilian/Colombian sides of the rivers are considered as well. The analysis of these five subregions helps to outline a central-place hierarchy, covering the whole region. Problems of (over-exploitation of natural resources are discussed at a "qualitative level", since basic topographic material and statistics are still missing.

18

Planes operativos sectoriales de vivienda y construcción 1986

Peru GI XL-PE-S 789  
Lima, Ministerio de Vivienda y Construcción, 1986.  
105 p.

Policy paper on national level with numerous settlement aspects.

**Physical infrastructure \* Housing \* Electricity \*  
Water supply \* Waste disposal \* Social  
infrastructure**

This document is the official nation-wide development plan for the housing sector from 1986. A relatively precise analysis of sectoral problems (at Departamento level for all cities with more than 50,000 inhabitants is attempted) involving water supply and waste disposal, and electricity (for urban and rural areas separately). A statistical basis is provided by the census data of 1961, 1972, 1981. Basic goals to be achieved in the housing sector are:

- Support of a more adequate distribution of the population in the national territory;
- Orientation of the housing-construction programme towards "strategic regions" (regiones estrategicas) for spatial planning and development (this refers above all to the "trapecio andino") and towards regions offering

comparative advantages in respect of the existence and creation of jobs etc.

- Prevention of property speculation in urban areas.
- Special housing programmes for lower social classes, especially in rural areas.

Investment funds (required, available) are listed according to: type of programme, internal/external financing etc. Goals to be achieved in the planning period are described.

19

Planificación del sistema urbano nacional  
(Documento Num. 2)

Nicaragua HAB  
Managua, Ministerio de la Vivienda y  
Asentamientos Humanos, 1982.  
104 p.

**Economic activities \* Industrial development \*  
Trade and commerce \* Physical infrastructure \*  
Rural centres \* Roads \* Electricity \* Water supply  
\* Social infrastructure \* Settlements**

A diagnosis of settlement pattern in Nicaragua, this document is planned to serve as a guideline for immediate action and short-term public investment projects.

The settlements are classified into these categories: national centre, regional centres, secondary centres (of a region), and places that can offer some functions of basic services. The criteria employed for the analysis of central places and the delimitation of the area of influence are: population-distribution, economic activities (production structure), spatial distribution of working capacity per sector. As a result, nine zones/urban sub-systems are classified in Nicaragua. This is complemented by a hierarchical organization scheme of the central places for each sub-system and an analysis of their existing deficiencies in transport and infrastructure. A more detailed analysis has been attempted for the five largest cities, with the exception of Managua. General development goals and strategies for their implementation conclude the document.

20

Reasentamientos campesinos en un marco de  
desarrollo integral - Valle de Jalapa/Nicaragua

Nicaragua HAB  
Managua, Ministerio de Vivienda y Asentamientos  
Humanos, 1987.  
21 p., 12 dibujos/mapas

**Economic activities \* Agricultural activities \*  
Physical infrastructure \* New settlements \*  
Colonization \* Resettlement \* Housing \* Rural  
centres \* Social infrastructure \* Institution building**

The document is a description of the settlement and new settlement pattern in frontier regions of Nicaragua

and Honduras. The first part of the document summarizes the general situation in rural areas after the Sandinista revolution. An overall view of the central places-system is presented.

The second part is a case study of the Jalapa valley, which for a long time was characterized by land tenure of *latifundismo* (land owners with close ties to the Somoza clan). Emphasis is put on population distribution and settlement patterns. On the basis of social infrastructure and services, four types of central places are classified - including their respective areas of influence.

The planning is even more detailed for archetypes of rural houses, infrastructure and proposals for social organizations.

## General

### 01

Small and intermediate urban centres, their role in national and regional development in the third world

HAB

Ed.: J.E. Hardoy and D. Satterthwaite  
London, Hodder and Stoughton, 1986.  
421 p., maps, table.

Case studies: the upper valley of Rio Negro (Argentina); the Gesira region (Sudan); Bangalore, Mandya and Mysore districts (South India); south-west Nigeria

### 02

The role of small and intermediate settlements in national development

HAB

Nairobi, United Nations Centre for Human Settlements (Habitat), 1985.  
97 p., bibliogr.

Chapter II: Small and intermediate settlements in a subnational, national and international context, pp. 11-37.

Intermediate settlements \* Social development \*  
Institution building \* Local government

## PART III. INDEX OF AUTHORS IN PART II BY REGION AND COUNTRY

### Africa

01 Backmuer, P.;	Central African Republic
02 Constable, M.;	Ethiopia
03 Fachbereich Internationale Agrarentwicklung;	Mauritania
04 Gulbrandsen, O., and others;	Botswana
05 Heidemann, C.;	Liberia
06 Hofmann, M., and others;	Egypt
07 Lechler, E.;	Côte d'Ivoire
08 Matabeleland North Provincial Committee;	Zimbabwe
09 Ministry of Finance and Planning;	Kenya
10 Ministry of Local Government and Lands;	Gambia
11 Ministry of Lands Resettlement and Rural Development;	Zimbabwe
12 Okorie, Edwin Nnawuihe;	Nigeria
13 Oswald, K.;	Kenya
14 Rural Planning Department;	Kenya
15 Saidi, K.;	Lesotho
16 Thimm, H-U. (ed.);	Africa
17 Thimm, H-U. (ed.);	Malawi
18 Weintraub, D.;	Malawi

### Asia

01 Badan Perencanaan Pembangunan Daerah; West Pasaman	Indonesia
02 Escher, H.;	India
03 Hansell, J. R. F.;	Indonesia
04 GTZ;	Nepal
05 Fasbender, K., and others;	Indonesia
06 Kammeier, H. D., and others;	Indonesia
07 Ministry for Municipal and Rural Affairs;	Jordan
08 Mathur Om Prakash (ed.),	Asia
09 Pamvucak, E. S.;	Indonesia
10 Prion, I., and others;	Thailand
11 Reichert, H.;	Saudi Arabia
12 Roelcke, G., and others;	Indonesia

13 Rondinelli, D. A.;	Philippines
14 Scharping, Th.;	China
15 Schneider, W., and others;	Yemen
16 Uhlig, H. (ed.);	Asia
17 United Nations Centre for Human Settlements(Habitat);	Asia

### Latin America

01 AS-PLAN Ltda.;	Colombia
02 Bernex de Falen, N., and others;	Peru
03 Caravedo, B. M.;	Peru
04 Centro Amazonico de Antropologia y Aplicación Practica	Peru
05 Chase Smith, R.; Mito del Gran Vacío Amazonico	Peru
06 Corporación Autónoma Regional;	Colombia
07 Corporación de Desarrollo;	Perú
08 Eastwood, D. A., and others;	Bolivia
09 Flores, G., and others;	Bolivia
10 Gianelli, J.;	Perú
11 Instituto Nacional de Planificación;	Perú
12 Instituto Nacional de Planificación;	Perú
13 Kohlhepp, G.;	Brazil/Paraguay
14 Larrea, F.;	Ecuador
15 Meza Monge, N.;	Perú
16 Miceli Kerbbauy, M. T.;	Brazil
17 Ministerio del Ambiente; Territorio Fed. Amazonas	Venezuela
18 Ministerio de Vivienda y Construcción;	Perú
19 Ministerio de Vivienda y Asentamientos Humanos;	Nicaragua
20 Ministerio de Vivienda y Asentamientos Humanos;	Nicaragua

### General

01 Horday, J.E., and Satherthwaite D.
02 United Nations Centre for Human Settlements (Habitat)

## PART IV. INDEX OF SUBJECT DESCRIPTORS USED IN PART I

Action programmes	A. 14
Administrative services	A. 14, A. 19, A. 37, A. 41, A. 57, A. 58, A. 63, B. 1, B. 6, B. 7, B. 35, B. 45, B. 48, C. 5, C. 6, C. 7, C. 17, C. 21, C. 38, C. 39, C. 46, D. 1
Agrarian reform	A. 20, B. 33, B. 34, C. 9, C. 10, C. 25, C. 26, C. 29, C. 35, C. 52, C. 58
Agricultural development	B. 39, C. 32
Agricultural education	A. 61
Agricultural production	A. 49, A. 50, A. 53, A. 54, B. 17, B. 22, B. 23
Agricultural research	C. 28
Agriculture	A. 29, A. 31
Agro-industrial sector	B. 18, C. 16
Agro-industries	A. 12, A. 14, A. 22, A. 30, A. 51, A. 55, B. 3, B. 21, B. 48, C. 5, C. 10, C. 11, C. 15, C. 17, C. 20, C. 54, D. 1
Airports	C. 30
Banking	A. 32, A. 53, A. 71
Beverages	C. 17
Boreholes	A. 3, A. 4, A. 65, B. 6, C. 42
Bridges	A. 27, A. 63, A. 65, B. 2, B. 4, B. 7, B. 24, B. 48, C. 35
Building equipment	B. 41
Buildings	B. 6, B. 48, B. 51
Central place	A. 16, A. 17, A. 32, A. 40, A. 62
Cold storage	B. 41
Colonization	C. 9, C. 12, C. 26, C. 52, C. 53
Commercial planning and organization	A. 5
Commercial services	A. 25, A. 32, A. 44, A. 47, B. 10, B. 11, C. 11, C. 26, C. 59
Community centre	B. 2, B. 6, B. 8, C. 2, C. 5, C. 6, C. 17, C. 30, C. 34, C. 38, C. 39, D. 3, D. 5
Community development	A. 5, A. 16, A. 17, A. 18, A. 20, A. 25, A. 38, A. 45, A. 51, A. 52, A. 66, B. 11, B. 34, C. 1, C. 2, C. 13, C. 39, C. 41, C. 57, C. 58, D. 3, D. 6
Community participation	B. 46, C. 59
Community planning and organization	A. 18, A. 45, A. 52, B. 34, C. 2, C. 39, D. 3
Conservation	B. 9
Construction	A. 19, A. 59, B. 26, C. 15
Co-operatives	A. 13, A. 14, A. 22, A. 61, A. 66, B. 10, B. 61, B. 65
Credit	A. 18, A. 27, A. 41, A. 45, A. 46, A. 52, A. 58, A. 60, A. 63, A. 65, A. 67, B. 7, B. 8, B. 9, B. 21, B. 24, B. 25, B. 36, B. 43, B. 44, B. 45, B. 49, B. 51, B. 65, C. 7, C. 13, C. 26, C. 39, C. 42, C. 43, D. 1, D. 3, D. 4
Credit schemes	B. 61
Culture	C. 52
Dam construction	A. 46, A. 59, B. 1, B. 6, B. 36, B. 47, B. 48, B. 49
Data collection	B. 35, B. 47
Decision-making	B. 46
Demography	A. 1, A. 31, A. 48, A. 69, A. 72, C. 47, C. 50
Demonstration plots	D. 7
Development of local leadership	B. 46
Disease control	A. 38, A. 46, C. 25
Drainage canals	B. 3, B. 48, B. 49
Drinking water	A. 25, A. 26
Ecology	A. 3, A. 29, A. 42, B. 21
Economic activities	A. 1, A. 9, A. 64
Economic development	B. 15, B. 18, B. 38, B. 39, B. 59
Economic evaluation	B. 15
Economics	B. 14, B. 18, B. 38, B. 39, B. 59, C. 16

Education	A. 18, A. 22, A. 30, A. 31, A. 32, A. 36, A. 37, A. 43, A. 47, A. 48, A. 51, A. 61, B. 10, B. 12, B. 24, B. 33, B. 44, B. 50, C. 11, C. 13, C. 24, C. 25, C. 26, C. 30, C. 36, C. 52, C. 54
Electricity	A. 9, B. 24, C. 5, C. 30
Electrification	C. 11, C. 25
Employment	A. 69, A. 72, C. 50
Energy	A. 1, A. 9, A. 10, A. 15, A. 18, A. 31, A. 36, A. 37, A. 44, A. 61, A. 63, A. 64, B. 24, B. 25, B. 26, B. 48, B. 49, B. 51, C. 4, C. 5, C. 13, C. 14, C. 18, C. 19, C. 29, C. 30, C. 34, C. 42, D. 3, D. 5
Environmental impact	B. 27
Extension	B. 6
Family planning	A. 65
Finance	A. 64, A. 72, B. 14, B. 15, B. 16, B. 18, B. 38, B. 39, B. 59, C. 16
Forestation	A. 22, A. 41, B. 3, B. 5, B. 26, B. 45, C. 40, C. 41, C. 43
Forestry	A. 31, B. 10, C. 10, C. 59
Formal groups	C. 35
Fuelwood	A. 15
Furniture	B. 33
Game development	A. 4
Garage	A. 18, B. 44, B. 45
Gas	C. 5
Governmental institutions	C. 48, C. 49, C. 53, C. 59
Group ties	C. 9
Handicrafts	A. 15, A. 18, A. 30, A. 60, B. 3, B. 33, B. 36, C. 10, C. 11, C. 17, C. 21, C. 24, C. 30
Health	A. 18, A. 22, A. 25, A. 26, A. 31, A. 32, A. 38, A. 46, A. 47, A. 51, A. 65, B. 8, B. 9, B. 24, B. 25, B. 34, B. 41, B. 44, B. 50, C. 7, C. 9, C. 11, C. 24, C. 25, C. 26, C. 41, C. 52, C. 54, C. 57
Health centres	A. 5, A. 12, A. 13, A. 15, A. 18, A. 19, A. 27, A. 36, A. 37, A. 57, A. 63, A. 66, B. 8, B. 9, B. 24, B. 25, B. 34, B. 42, B. 48, B. 51, C. 3, C. 4, C. 30, C. 41, D. 1
Highways	B. 41, C. 34
Hospitals	A. 12, A. 19, C. 4, C. 30
Hotel	A. 18
Housing	A. 1, A. 3, A. 13, A. 15, A. 21, A. 24, A. 37, A. 57, A. 61, A. 63, B. 2, B. 4, B. 6, B. 8, B. 9, B. 19, B. 20, B. 34, B. 50, B. 51, B. 63, C. 2, C. 5, C. 11, C. 17, C. 30, C. 36, C. 37, C. 38, C. 39
Hydro-electric power	B. 48, C. 18, C. 30
Hydrological surveys	B. 5
Industrial development	A. 5, A. 6, A. 10, A. 12, A. 14, A. 15, A. 18, A. 19, A. 22, A. 29, A. 30, A. 31, A. 44, A. 51, A. 52, A. 55, A. 60, A. 63, A. 67, A. 70, B. 2, B. 3, B. 6, B. 7, B. 10, B. 11, B. 16, B. 19, B. 21, B. 26, B. 33, B. 36, B. 45, B. 48, B. 52, C. 1, C. 4, C. 5, C. 6, C. 7, C. 9, C. 10, C. 11, C. 14, C. 15, C. 16, C. 17, C. 18, C. 20, C. 24, C. 25, C. 27, C. 30, C. 36, C. 38, C. 39, C. 42, C. 50, C. 54, C. 57, C. 59, D. 1
Industrial production	A. 1
Informal groups	C. 35
Infrastructure	A. 6, A. 23, A. 29, A. 31, A. 34, A. 49, A. 50, A. 53, A. 54, B. 10, B. 13, B. 17, B. 23, B. 28, B. 52, B. 53, B. 54, B. 55, B. 56, B. 57, B. 58, B. 62, B. 63, B. 64, C. 31, C. 32, C. 45
Institution building	A. 1, A. 16, A. 17, A. 24, A. 25, A. 29, A. 33, A. 40, A. 47, A. 51, A. 62, A. 72, B. 11, B. 12, B. 29, B. 61, C. 9, C. 11, C. 27, C. 31, C. 45, C. 52, C. 53, C. 54, C. 57, C. 58, C. 59
Institutions	A. 2, A. 33, A. 35, A. 72, B. 58, C. 48, C. 49, C. 53, C. 59
Integration of minorities	C. 13, C. 41
Intermediate centres	A. 64
Irrigation	A. 4, A. 5, A. 10, A. 12, A. 13, A. 19, A. 22, A. 27, A. 36, A. 37, A. 42, A. 46, A. 59, A. 60, A. 61, A. 65, A. 66, A. 67, B. 1, B. 3, B. 4, B. 6, B. 19, B. 24, B. 25, B. 26, B. 33, B. 36, B. 41, B. 42, B. 43, B. 47, B. 48, B. 49, B. 50, B. 51, B. 53, B. 54, C. 11, C. 15, C. 34, C. 44, C. 59, D. 2, D. 3, D. 5, D. 7

Irrigation system construction	A. 59, B. 1, B. 6, B. 33, B. 47, B. 48, B. 49, C. 11
Land clearing	A. 41, A. 43, B. 1, B. 4, B. 9, B. 18, B. 19, B. 20, B. 21, B. 44, B. 49, C. 2, C. 3, C. 28, C. 43, D. 2
Land consolidation	C. 39, C. 46
Land development	B. 14, B. 15, B. 16
Landless	C. 9
Land reform	A. 4, A. 5, A. 15, A. 20, A. 36, A. 38, A. 56, A. 57, A. 58, A. 59, A. 63, A. 68, B. 7, B. 20, B. 21, B. 25, B. 26, B. 34, B. 36, B. 41, B. 42, B. 45, C. 2, C. 6, C. 13, C. 15, C. 20, C. 21, C. 28, C. 29, C. 35, C. 39, C. 41, C. 42, C. 43, C. 46, D. 1, D. 3
Land use	A. 4, A. 5, A. 58, A. 63, A. 68, B. 7, B. 8, B. 42, B. 45, C. 2, C. 21, C. 42
Large-scale industry	A. 70
Literacy programme	D. 1
Local government	A. 1
Local leadership	B. 46
Maintenance	A. 18, A. 37, C. 12
Manufacturing	A. 18, A. 30
Marketing	A. 13, A. 16, A. 17, A. 30, A. 41, A. 45, A. 52, A. 58, A. 60, A. 61, B. 3, B. 7, B. 12, B. 25, B. 26, B. 35, B. 36, B. 43, C. 1, C. 5, C. 7, C. 10, C. 26, C. 43, C. 52, C. 57, D. 1, D. 2, D. 4
Market place	A. 17
Medium-sized towns	C. 25
Meteorological aerial photography	B. 5
Migration	B. 10, B. 12, B. 15, C. 9, C. 10, C. 12, C. 24, C. 25, C. 26, C. 27, C. 50, C. 54, C. 57, C. 58
Mining	B. 3, C. 24, C. 54
Minorities	C. 13, C. 41, C. 52, C. 59
Multi-purpose co-operatives	A. 14, A. 61, A. 66
Natural parks and gardens	A. 15
Natural resources	A. 3, A. 4, A. 5, A. 10, A. 22, A. 26, A. 27, A. 36, A. 41, A. 42, A. 43, A. 45, A. 58, A. 60, A. 63, A. 66, A. 67, A. 68, B. 1, B. 2, B. 3, B. 4, B. 5, B. 6, B. 8, B. 9, B. 19, B. 20, B. 21, B. 25, B. 26, B. 27, B. 36, B. 42, B. 43, B. 44, B. 45, B. 48, B. 49, B. 50, B. 51, B. 65, C. 2, C. 3, C. 4, C. 7, C. 12, C. 14, C. 15, C. 17, C. 21, C. 28, C. 29, C. 31, C. 34, C. 40, C. 41, C. 43, C. 45, C. 46, C. 54, C. 59, D. 2, D. 5
New settlements	A. 3, A. 6, A. 10, A. 12, A. 13, A. 21, A. 22, A. 24, A. 25, A. 26, A. 39, A. 40, A. 41, A. 43, A. 45, A. 56, A. 57, A. 59, A. 63, A. 65, A. 67, B. 2, B. 5, B. 6, B. 8, B. 19, B. 20, B. 21, B. 41, B. 44, B. 46, B. 66, C. 1, C. 2, C. 6, C. 12, C. 13, C. 15, C. 17, C. 21, C. 28, C. 29, C. 34, C. 38, C. 39, C. 40, C. 43, D. 1, D. 2, D. 3, D. 4, D. 5
Non-governmental organizations	C. 57, C. 58, C. 59
Physical infrastructure	A. 6, A. 24, A. 26, A. 29, A. 31, A. 35, A. 44, A. 47, A. 71, B. 23, C. 11, C. 36, C. 50, C. 57
Planning	B. 15, B. 16, C. 16
Political planning	B. 15
Ports and harbours	B. 2, B. 17
Potable water	A. 3, A. 37, A. 46, B. 3, B. 8, B. 9, B. 24, B. 36
Primary building education	C. 13
Primary education	B. 24, C. 30
Primary health care	A. 25, C. 25
Primary health centres	D. 1
Primary school	A. 32
Private housing	B. 20
Public finance	A. 35, A. 72, C. 49
Public housing	A. 13, B. 20, C. 38
Public transport	B. 10
Pumps	C. 11
Quarries	C. 24, C. 54
Railways	A. 18, A. 37, C. 18, C. 19



Rangeland	A. 3, A. 4, B. 65
Reclamation	B. 14
Recreation facilities	A. 37, C. 19
Research	A. 10, A. 18, A. 40, A. 44, A. 47, B. 35, B. 47, B. 48, B. 51, C. 28, C. 36, C. 43, C. 46
Resettlement	A. 4, A. 9, A. 14, A. 15, A. 38, A. 42, A. 55, A. 56, A. 58, A. 61, B. 1, B. 3, B. 11, B. 12, B. 24, B. 25, B. 33, B. 36, B. 42, B. 43, B. 45, B. 46, B. 47, B. 48, B. 50, C. 2, C. 3, C. 13, C. 40, C. 41, C. 42, D. 1
Road construction	A. 25
Road improvement	C. 12
Roads	A. 6, A. 12, A. 13, A. 16, A. 17, A. 18, A. 24, A. 25, A. 27, A. 30, A. 37, A. 41, A. 43, A. 58, A. 63, A. 65, A. 67, B. 1, B. 2, B. 3, B. 4, B. 7, B. 9, B. 10, B. 21, B. 35, B. 36, B. 41, B. 48, B. 50, B. 51, C. 3, C. 9, C. 12, C. 13, C. 17, C. 20, C. 21, C. 25, C. 26, C. 30, C. 34, C. 35, C. 41, C. 43, C. 53, C. 54, C. 59, D. 2
Rural banking	A. 52
Rural centre	C. 57, C. 59
Rural development	B. 15, B. 53, B. 54, B. 59, C. 16
Rural electrification	C. 5
Rural housing	A. 15, A. 61, B. 2, B. 4, B. 6, B. 9, B. 21, B. 34, B. 51, C. 5, C. 6, C. 15, C. 20, C. 38, C. 39, D. 4, D. 5
Rural infrastructure	C. 44
Rural planning	B. 14, B. 15, B. 16, B. 52, B. 59
Rural settlements	A. 2, A. 6, A. 16, A. 17, A. 24, A. 25, A. 26, A. 31, A. 32, A. 33, A. 34, A. 35, A. 40, A. 44, A. 48, A. 49, A. 50, A. 51, A. 53, A. 54, A. 62, A. 69, A. 71, B. 10, B. 11, B. 12, B. 13, B. 17, B. 22, B. 23, B. 27, B. 28, B. 29, B. 30, B. 32, B. 37, B. 40, B. 52, B. 53, B. 54, B. 55, B. 56, B. 57, B. 58, B. 60, B. 61, B. 62, B. 63, B. 64, C. 9, C. 10, C. 11, C. 12, C. 24, C. 25, C. 26, C. 27, C. 32, C. 36, C. 44, C. 45, C. 47, C. 49, C. 50, C. 51, C. 52, C. 53, C. 54, C. 57, C. 58, C. 59
Schools	B. 10
Secondary education	B. 24, C. 30
Secondary literacy programme	D. 1
Self-help activities	A. 22, A. 32, A. 38, A. 42, A. 51, A. 65, A. 66, B. 11, B. 46, B. 50, B. 65, C. 35, D. 6
Self-help groups	B. 61
Service centres	A. 10, A. 12, A. 13, A. 14, A. 18, A. 19, A. 27, A. 36, A. 37, A. 41, A. 43, A. 52, A. 55, A. 57, A. 58, A. 61, A. 63, B. 1, B. 2, B. 3, B. 6, B. 7, B. 8, B. 21, B. 33, B. 35, B. 41, B. 44, B. 45, B. 48, B. 51, C. 5, C. 6, C. 7, C. 13, C. 17, C. 20, C. 21, C. 28, C. 29, C. 34, C. 38, C. 39, C. 46, D. 1, D. 4
Services	A. 29, A. 31, A. 67, A. 71
Settlement patterns	A. 66
Settlement renewal	D. 1
Settlements	A. 3, A. 4, A. 10, A. 12, A. 13, A. 14, A. 15, A. 20, A. 21, A. 22, A. 23, A. 26, A. 30, A. 37, A. 38, A. 39, A. 41, A. 42, A. 43, A. 46, A. 55, A. 56, A. 57, A. 58, A. 59, A. 60, A. 61, A. 63, A. 65, A. 67, B. 1, B. 2, B. 3, B. 4, B. 5, B. 6, B. 7, B. 8, B. 9, B. 19, B. 20, B. 21, B. 24, B. 25, B. 26, B. 30, B. 32, B. 33, B. 34, B. 35, B. 36, B. 37, B. 40, B. 41, B. 42, B. 43, B. 44, B. 45, B. 46, B. 47, B. 48, B. 49, B. 50, B. 51, B. 52, B. 60, B. 62, B. 65, B. 66, C. 1, C. 2, C. 3, C. 6, C. 13, C. 14, C. 15, C. 17, C. 18, C. 19, C. 21, C. 28, C. 29, C. 30, C. 34, C. 35, C. 37, C. 38, C. 39, C. 40, C. 41, C. 42, C. 43, C. 46, D. 1, D. 2, D. 3, D. 4, D. 5, D. 6
Settlements hierarchy	A. 26, C. 11, C. 57, C. 59
Settler selection	A. 3, A. 12, A. 39, A. 41, A. 60, A. 63, A. 65, A. 67, B. 5, B. 6, B. 8, B. 9, B. 21, B. 25, B. 36, B. 43, B. 48, B. 49, C. 17, C. 21, C. 34, C. 38, C. 43, C. 46, D. 4, D. 5
Sewerage	A. 6, A. 16, A. 17, A. 25, A. 26, A. 37, A. 46, A. 65, B. 8, C. 25, C. 58, C. 59, D. 2
Sites and services	A. 3, B. 2, B. 6, B. 21, C. 2, C. 17, C. 37, D. 6
Slaughterhouse	A. 12, A. 41, C. 39
Smallholders	A. 62
Small-scale industry	A. 70
Small-scale manufacturing	A. 18, A. 51
Small-scale workshops	A. 15, A. 52, C. 5

Social groups	A. 62, B. 10, B. 12, C. 9, C. 10, C. 25, C. 36, C. 50, C. 51, C. 59
Social infrastructure	A. 29, A. 31, A. 35, A. 48, A. 72, B. 23, C. 29, C. 25, C. 57, C. 58, C. 59
Soil	A. 60
Soil conservation	A. 3, A. 22, A. 43, A. 67, A. 68, B. 5, B. 26, C. 15, C. 41, D. 2
Spontaneous settlements	A. 45, C. 1, C. 15, C. 43
Squatters	C. 13, C. 28, C. 29, D. 6
Staff training	A. 62, B. 66
Status of women	A. 38, A. 66, D. 6
Storehouse	A. 10, A. 12, A. 13, A. 19, A. 36, A. 43, A. 52, A. 55, A. 58, B. 2, B. 3, B. 6, B. 7, B. 8, B. 33, B. 44, B. 51, C. 6, C. 20, C. 21, C. 28, C. 39, D. 4
Subnational development	B. 13, B. 14, B. 16, B. 22, B. 28, B. 37, B. 40, B. 60, B. 62, C. 31, C. 32
Surveys	A. 40, B. 5, B. 35, B. 44, B. 47, B. 48
Swamp drainage	B. 4, C. 28
Telecommunication	A. 68, B. 1, C. 4
Telephones	B. 1
Tenure	A. 4, A. 15, A. 20, A. 56, A. 57, B. 25, B. 26, B. 33, B. 36, B. 41, C. 9, C. 10, C. 13, C. 20, C. 25, C. 26, C. 41, C. 43, C. 52, C. 58
Titling	A. 4, A. 38, A. 59, B. 7, B. 33, B. 34, C. 13, C. 15, C. 20, C. 26, C. 29, C. 39, C. 42, C. 43, C. 46
Tourism and recreation	A. 4, A. 10, A. 15, A. 18, A. 27, A. 29, A. 36, A. 44, A. 68, B. 42, B. 51, C. 19
Trade	A. 29, A. 31, A. 72, B. 39, C. 11, C. 50
Training centre	A. 14, A. 43, B. 9, B. 33
Transmigration	A. 20, A. 37, A. 45, A. 46, B. 2, B. 4, B. 6, B. 7, B. 8, B. 9, B. 10, B. 11, B. 12, B. 15, B. 26
Transport	A. 3, A. 6, A. 10, A. 12, A. 13, A. 15, A. 16, A. 17, A. 18, A. 22, A. 24, A. 25, A. 27, A. 30, A. 31, A. 36, A. 37, A. 41, A. 43, A. 45, A. 52, A. 55, A. 57, A. 58, A. 63, A. 64, A. 65, A. 66, A. 67, B. 1, B. 2, B. 3, B. 4, B. 6, B. 7, B. 9, B. 10, B. 19, B. 21, B. 24, B. 25, B. 35, B. 36, B. 41, B. 42, B. 43, B. 44, B. 45, B. 48, B. 50, B. 51, C. 2, C. 3, C. 4, C. 6, C. 7, C. 9, C. 12, C. 13, C. 14, C. 17, C. 18, C. 19, C. 20, C. 21, C. 25, C. 26, C. 29, C. 30, C. 34, C. 35, C. 37, C. 38, C. 41, C. 42, C. 43, C. 46, C. 53, C. 54, C. 59, D. 2, D. 3, D. 4
Transport equipment	C. 7
Urban centre renewal	C. 30, C. 37
Urban centres	A. 10, A. 30, A. 37, B. 35, C. 6, C. 14, C. 18, C. 19, C. 36, C. 37, C. 39, C. 46, D. 6
Urban development	A. 44, A. 47, B. 18, B. 38, B. 59
Urban hierarchy	A. 1
Urban housing	B. 20, B. 34, C. 4, C. 5, C. 37, C. 39, D. 6
Urbanization	A. 2, A. 29, A. 48, A. 69, A. 71, A. 72, B. 14, B. 16, C. 47, C. 48, C. 49, C. 50
Urban management	A. 64
Urban planning	B. 14, B. 18, B. 38, B. 39, B. 59
Urban settlements	A. 64, B. 30, B. 32, B. 37, B. 40, B. 52, B. 60, B. 62, C. 32
Urban sites	A. 21
Urban sociology	B. 38
Vocational education	C. 30
Water conservation	B. 5, B. 26, B. 45
Water development	B. 14, B. 16, B. 59
Water management	B. 14, B. 16
Water storage	A. 59, B. 36
Water supply	A. 6, A. 16, A. 25, A. 26, B. 3, B. 8, B. 9, B. 14, B. 16, B. 24, B. 36, C. 25, C. 58, C. 59
Waterways	B. 17, B. 19, C. 30
Welfare	D. 7
Wildlife protection	A. 26
Wood and cork production	B. 21, C. 5
Woodlands	A. 68
Wood production	B. 33, C. 38
Workshops	A. 12, A. 18, A. 19, B. 36, B. 41, B. 44, B. 45, C. 34, C. 46,
Youth	D. 7
Zoning	A. 4, A. 5, A. 58, A. 63, A. 68, B. 7, B. 42, B. 45, C. 2, C. 21, C. 42

## *Annex*

List of offices from which the listed documents can be obtained:

1. The Centre for Regional Development Research,  
Justus Liebig University Giessen,  
Diezstrasse 15,  
D-6300 Giessen,  
FEDERAL REPUBLIC OF GERMANY.  
Tel: 0641-702-8415

2. Centre de Documentation et d'Information  
"Villes en Développement",  
64 Rue de la Fédération,  
F-75015 Paris,  
FRANCE.  
Tel: (33-1) 45679739  
Telex: 200789 isted

3. The Settlement Study Centre,  
P.O. Box 2355,  
76 120 Rehovot,  
ISRAEL.

4. United Nations Centre for Human Settlements  
(Habitat)  
P.O. Box 30030,  
Nairobi,  
KENYA.  
Tel: 333930  
Telex: 22996

5. Wageningen International Centre,  
University of Agriculture,  
Wageningen,  
THE NETHERLANDS.