# Studies in Applied Economics and Rural Institutions, Publications of the Research Centre for International Agrarian Development, Heidelberg <br> Edited by Oskar Gans 

17



Oskar Gans (ed.)

## Appropriate Techniques for Development Planning

## Table of Contents

Page
Shadow-price analysis vs. the "méthode des effets"
by Oskar GANS and Thilo HATZIUS ..... 1

1. Shadow-price analysis as a component of cost-benefit analysis in developing countries ..... 1
2. The effects method as an element of global economic consistency planning ..... 6
3. Cost-benefit interpretation of the effects method ..... 8
4. Preliminary conclusions ..... 12
5. Complementary information and comments ..... 13
A pragmatic system of multi-level planning

- the example of Burundi (INPLABU) -
by Ingo EVERS ..... 21

1. Introduction ..... 23
2. Appropriate planning techniques and multi-level planning ..... 25
2.1 The choice of appropriate comprehensive economic planning techniques in developing countries ..... 25
2.2 The problem of vertical consistency in micro and macro planning ..... 30
3. Structure and workability of INPLABU ..... 33
3.1 The macro model ..... 33
3.2 The project information system ..... 37
4. Applications of INPLABU for defining a medium-term development program which is compatible with stabilization policy objectives ..... 39
4.1 Criteria for determining satisfactory macroeconomic development ..... 40
4.2 Interplay between the macro model and the project information system ..... 42
Energy portfolio planning
by Günter ECKSTEIN ..... 45
Health planning in developing countries as a coordinated multisectoral approach
by Hans Jochen DIESFELD ..... 59
Towarda an approach to food policy planning - the case of Indonesia
by Serge-A. KLUUMPER ..... 73
5. Food supply: analysis of the present situation ..... 74
1.1 The supply situation ..... 74
1.2 Food consumption and structure of production ..... 77
1.3 Agricultural policy ..... 87
6. An approach towards evaluating food strategies ..... 92
7. Analysis of supply and demand ..... 100
3.1 Analysis of demand ..... 100
3.2 Analysis of supply ..... 107
