# "CONCEPTS AND TOOLS FOR STRATEGIC REGIONAL SOCIO-ECONOMIC CHANGE POLICY"

## STUDY REPORT

## PART 3

# APPENDIX: SOFTWARE AVAILABLE

**COORDINATOR, IIASA: A. KOCHETKOV**
**COORDINATOR, SRI PAS: A. STRASZAK**

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SYSTEMS RESEARCH INSTITUTE

POLISH ACADEMY OF SCIENCES

AND

INTERNATIONAL INSTITUTE FOR APPLIED SYSTEMS ANALYSIS


CONTRACTED STUDY AGREEMENT REG/POL/1

"CONCEPTS AND TOOLS FOR STRATEGIC REGIONAL

SOCIO-ECONOMIC CHANGE POLICY"


STUDY REPORT

Consisting of 3 Parts


PART 3

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This report presents the main portion of results obtained in the
research performed under the Contracted Study Agreement REG/POL/1
this agreement being between the International Institute for
Applied Systems Analysis (IIASA) in Laxenburg, Austria, and the
Polish Academy of Sciences, Warsaw. Contents of the research
effort was defined by Prof. Andrei Kochetkov from IIASA, and
the in-house work has been directed by Prof. Andrzej Straszak
of the Systems Research Institute, Polish Academy of Sciences.
According to the Agreement the research has been carried out
under the heading of "Concepts and Tools for Strategic Regional
Socio-Economic Change Policy".

The present volume (Part 3) contains some descriptions of ope-
rational software, available at the Systems Research Institute
and meant primarily for the project purposes.

Warsaw, 1986

PART 3: APPENDIX: SOFTWARE AVAILABLE

SUMMARY

This last volume of the Report is meant to be the software
appendix, presenting in a shortened form some descriptions of
programs and procedures available at the Systems Research Ins-
titute, related to methods and subjects taken up in Parts 1 and
2. The software presented has been tested on a variety of com-
puting equipment, primarily of mini- or micro-computer charac-
teristics.

First, these applications are introduced which refer to
methods of exploratory analysis, see Chapter I, Part 1. Three ap-
plications concern the question of preference aggregation, very
important in multiparticipant analysis and decision making, and
one concerns structural analysis of matrices representing linear
dependences.

Then, presentation proceeds to this software, which is
related to investment, credit and banking system analysis
(Chapter IV, Part 1). Applications meant primarily for
enterprise level planning are also shown, constituting mainly
reference to Chapter V, Part 1.

Finally some applications are given which are related
to Part 2, and especially to its environmental and resource-
oriented considerations.

## STUDY REPORT

**PART 1:** **BACKGROUND METHODOLOGIES**

AUTHORS: A. STRASZAK
J.W. OWSIŃSKI
A. JAKUBOWSKI
J. KACPRZYK
K. CICHOCKI
M. LEWANDOWSKA
W. WOJCIECHOWSKI
J. STEFAŃSKI
A. ZIÓŁKOWSKI

**PART 2:** **POLISH CASE STUDY REPORT**

AUTHORS: J.W. OWSIŃSKI
W. CIECHANOWICZ
J. BABAROWSKI
A. STRASZAK
A. JAKUBOWSKI

**PART 3:** **APPENDIX: SOFTWARE AVAILABLE**

AUTHORS: L. KSIĘŻOPOLSKA
S. ZADROŻNY
J.W. OWSIŃSKI
T. ROMANOWICZ
A. ZIÓŁKOWSKI
W. CICHOCKI
C. IWAŃSKI
A. KAŁUSZKO
P. HOLNICKI

ABC — UZP