

other techniques, and for studying the effects of other environmental factors. Using this system, the photorespiration rate measured by post-illumination burst has been compared with other methods for R_L determination (KAŠE and ČATSKÝ, unpublished).

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BOOK REVIEW

FRENKIEL, F. N., GOODALL, D. W. (ed.): *SIMULATION MODELLING OF ENVIRONMENTAL PROBLEMS. SCOPE 9*. — John Wiley & Sons, Chichester—New York—Brisbane—Toronto 1978. Soft cover £ 4.96.

This is a stimulating SCOPE edition devoted to the improvement of simulation modelling methods as a scientific tool for decision makers involved in the solution of ecological or ecologically backed problems. This results in simplicity and clarity of the content based on the results of a SCOPE Workshop on Simulation Modelling held at the Holcomb Research Institute, Butler University, Indianapolis, U.S.A.

The book presents the outlines of problems from the point of view of the model builders as well as of the users, *i.e.* the decision makers themselves. The question of complexity, validity and transferability of the models is discussed and several selected case studies are given as examples, and a few data on the recent experiences in the use of simulation modelling for environmental management in some countries are included.

One chapter informs on possible areas for improving the techniques, communication between the modellers themselves and between these and the decision makers.

Another chapter deals with priorities in the use of environmental modelling in the developed and the developing countries (including a well compiled table). Two appendices are added: a glossary of specific terms and a classification of models with a survey of modelling experience in Canada.

Let us hope that the number of decision makers who will take it as their professional duty to get acquainted with this book will be in proportion to the significance of their decisions, which should be based on highly scientific information and highly advanced methods.

B. SLÁVÍK (*Praha*)