

## CONTENTS

Foreword .....	ix
Acknowledgements .....	xiii
 LECTURES	
Pesticide Fate Models and their use. FOCUS Activities .....	1
<i>Jan B.H.J. Linders</i>	
Models used in the USA for the Evaluation of Pesticide Exposure, Hazard and Risk Assessment .....	17
<i>Mark H. Russell</i>	
Quality assurance in environmental modelling .....	31
<i>Gyula Dura and Elisabeth Laszlo</i>	
Possible approaches for pesticides environmental impact management .....	39
<i>M.G. Prodanchuk and Alexandr P. Kravchuk</i>	
Pesticide leaching modelling validation <i>A Recent European Experience</i> .....	47
<i>Marnik Vanclooster</i>	
Evaporation of pure liquids from open surfaces .....	61
<i>Fredric C. Arnold and Alfred J. Engel</i>	
Application of USES for estimation of PEC of pesticides and hazard assessment for aquatic environment .....	73
<i>Veska Kambourova and Kosta Vassilev</i>	
Modelling of operator exposure .....	79
<i>Antonella Fait and Bengt S. Iversen</i>	
Use of alarm model in accidental pollution of Danube River <i>Case study.</i> ....	91
<i>Silvia Chitimiea and Aurel Varduca</i>	
Results of the use of two environmental models for pesticides ranking by hazard .....	97
<i>Fina Kaloyanova, Gyula Dura and Veska Kambourova</i>	

Recent developments in environmental modelling at Trent University, Canada .....	105
<i>Ian Cousins, Matt MacLeod, Eva Webster and Don Mackay</i>	
MACRO: a preferential flow model to simulate pesticide leaching and movement to drains .....	117
<i>Sabine Beulke, Colin D. Brown and Nicholas J. Jarvis</i>	
A scientific and technological framework for evaluating comparative risk in ecological risk assessments .....	133
<i>John M. Johnston</i>	
Comparing two alternative pollutant dispersion models and actual data within an environmental health information Processing System (EHIPS) .....	151
<i>Boris Balter, M. Stal'naya, and Victor Egorov</i>	
RBCA Toolkit: Comprehensive Risk-based modelling system for soil and groundwater clean-up .....	165
<i>John A. Connor, P.E. Richard, L. Bowers and Thomas E. McHugh</i>	
Danish EPA use of models for assessment of pesticides mobility .....	183
<i>Christian Deibjerg Hansen</i>	
An optimization model for the control of regional air quality in Europe .....	193
<i>Markus Amann, Chris Heyes, Marek Makowski and Wolfgang Schöpp</i>	
Spatial refinement of regional exposure assessment .....	205
<i>Volker Berding, Frank Koormann, Stefan Schwartz, Jan-Oliver Wagner and Michael Matthies</i>	
 COUNTRY REPORTS	
The future of the environmental modeling in risk assessment in Slovenia Country Report ....	223
<i>Boris Kolar</i>	

Environmental Exposure of Plant Protection Products <i>Portuguese Experience</i> .....	227
<i>Flávia Alfarroba</i>	
Environmental Cleanup Program in Hungary <i>Hungarian Report</i> .....	231
<i>Eva Deseo</i>	
Modelling Experiences in the Slovak Republic <i>Country Report</i> .....	241
<i>Martin Murin</i>	
Dojransko Ezero (Dojran Lake) Program 1999-2001 .....	243
<i>Vladimir Kendrovski</i>	
Some Methodological Aspects of Soil Data Receiving And Use for the Environmental Prognosis <i>Country Report</i> .....	245
<i>Galina V. Motuzova</i>	
Risk Assessment and Risk Management of Industrial Chemicals in Poland <i>Country Report</i> .....	251
<i>Jan A. Krajewski</i>	
Modelling of Environmental Chemical Pollution and Perspectives of Exposure and Risk Assessment In Ukraine <i>National report</i> .....	255
<i>Leonard Dobrovolsky</i>	
Overview on Environmental Situation in Albania and Some Issues in the Field of "Modelling" <i>Albanian experience</i> .....	261
<i>Tanja Floqi, Qecamedin Kodra, Genc Luarasi and Bujar Reme</i>	
CONCLUSIONS AND RECOMMENDATIONS.....	271