

Preface  
List of Figures  
List of Tables  
Introduction  
Modelling and Model Building.  
Modelling and Model Building  
The State of the Art in Environmental Modelling.  
Climate and Climate-System Modelling  
Soil and Hillslope Hydrology  
Modelling Catchment Hydrology  
Modelling Fluvial Processes and Interactions  
Modelling the Ecology of Plants  
Spatial Population Models for Animals  
Ecosystem Modelling: Vegetation and Disturbance  
Erosion and Sediment Transport  
Modelling Slope Instability  
Finding simplicity in complexity in biogeochemical modelling  
Modelling human decision making  
Modelling land-use change  
Models for Management.  
Models in Policy Formulation and Assessment: The WADBOS decision support system  
Decision Support Systems for Managing Water Resources  
Soil Erosion and Conservation  
Modelling in Forest Management  
Stability and Instability in the Management of Mediterranean Desertification  
Current and Future Developments.  
Scaling Issues in Environmental Modelling  
Environmental Applications of Computational Fluid Dynamics  
Self-Organization and Cellular Automata Models  
Data-Based Mechanistic Modelling and the Simplification of Environmental Systems  
Pointers for the Future  
Table of Contents provided by Blackwell's Book Services and R.R. Bowker. Used with permission.