

1. Record Nr.	UNINA9910131499003321
Titolo	Monitoring and modelling dynamic environments : (A festschrift in memory of Professor John B. Thornes) // edited by Alan P. Dykes, Mark Mulligan, John Wainwright
Pubbl/distr/stampa	Chichester, England : , : Wiley Blackwell, , 2015 ©2015
ISBN	1-118-64961-3 1-118-64959-1 1-118-64960-5
Descrizione fisica	1 online resource (355 p.)
Disciplina	551.41072
Soggetti	Geomorphology - Methodology Geomorphology - Research Geomorphology - Mathematical models Geomorphology - Computer simulation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Title Page; Copyright Page; Contents; List of contributors; About the editors; Acknowledgements; Chapter 1 Introduction - Understanding and managing landscape change through multiple lenses: The case for integrative research in an era of global change; Monitoring, modelling and management; Aims, purpose and structure of this book; References; Part A; Chapter 2 Assessment of soil erosion through different experimental methods in the Region of Murcia (South-East Spain); Introduction; Soil erosion experimental methods and results obtained in the Region of Murcia; Discussion; Conclusions Acknowledgements References; Chapter 3 Shrub land as a soil and water conservation agent in Mediterranean-type ecosystems: The Sierra de Enguera study site contribution; Introduction; Methods; Results; Discussion; Conclusions; Acknowledgements; References; Chapter 4 Morphological and vegetation variations in response to flow events in rambla channels of SE Spain; Introduction; Background and methods;

Results; Discussion; Conclusions; References; Chapter 5 Stability and instability in Mediterranean landscapes: A geoarchaeological perspective; Introduction; SIC in landscape evolution  
Mediterranean geoarchaeology Modelling the emergence of SIC; Conclusions; Acknowledgements; References; Chapter 6 Desertification indicator system for Mediterranean Europe: Science, stakeholders and public dissemination of research results; Introduction; DESERT LINKS and DIS4ME; Indicator database; Different indicators for different issues; Combining indicators into an index of desertification; Stakeholder participation in the development of DIS4ME; Conclusions and applications of the DIS4ME approach; Acknowledgements; References  
Chapter 7 Geobrowser-based simulation models for land degradation policy support Introduction; PSSs; A timeline of models for understanding Mediterranean land degradation; The State of the Art (2011); Conclusion; References; Chapter 8 Application of strategic environmental assessment to the Rift Valley Lakes Basin master plan; Introduction; Approach; Environmental and social characteristics of the RVLB; Constraints on agricultural development in the RVLB; Discussion; Conclusions; Acknowledgements; References  
Chapter 9 Modelling hydrological processes in long-term water supply planning: Current methods and future needs Introduction; Hydrological requirements for water supply planning; Current approaches to hydrological modelling in water supply planning; Improving hydrological representation; Conclusions: Improving decision-making in water resources planning; Acknowledgements; References; Chapter 10 Changing discharge contributions to the Rio Grande de Tarcoles; Introduction; Study area; Methods; Results; Discussion; Conclusions; Acknowledgements; References  
Chapter 11 Insights on channel networks delineated from digital elevation models: The adaptive model

---

## Sommario/riassunto

Monitoring and Modeling Geomorphological Environments is a comprehensive overview of the latest research in the field with a focus on the advantages and benefits of integrating different methodological approaches to geomorphological research. The chapters in the book reflect both the geographical range and the thematic focus of the late John Thornes, and include contributions from many of his former research students, research assistants and project co-investigators alongside some of the most senior practitioners in the discipline. This book focuses on an integrative approach to geomorphology

---