



## Population Dynamics in Alpine Areas

By Peer, Stefanie

Condition: New. Publisher/Verlag: VDM Verlag Dr. Müller | A Simulation Study Based on Cellular Automata | Most existing models concerned with the spatial distribution of land use or certain demographic characteristics are based on the assumption that the underlying geographic area is flat. They tend to ignore that a region's topology strongly influences settlement patterns and that natural conditions such as slope determine if a certain location is uninhabitable or appropriate for the development of huge urban centers. The availability of models accounting for topographical structures is particularly important for distinct and highly sensitive regions such as the Alps. Thus, a dynamic, Cellular- Automata-based model is developed that is applied on both, a flat as well as an Alpine landscape. The simulations explore how population patterns alter as a consequence of changes in the locational preferences of residents and demonstrate clear differences in the emergence of settlement structures between the flat and the Alpine environment. This book addresses everyone who is interested in population dynamics in mountainous regions. Scientific researchers as well as policy makers are provided with valuable insights. | Format: Paperback | Language/Sprache: english | 165 gr | 220x150x6 mm | 112 pp.



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