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Titolo	Integrating Qualitative and Social Science Factors in Archaeological Modelling // edited by Mehdi Saqalli, Marc Vander Linden
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Collana	Simulating the Past, , 2662-3145
Disciplina	930.1028 930.1
Soggetti	Social sciences—Data processing Social sciences—Computer programs Computer simulation Archaeology Sociophysics Econophysics Ethnology Computational Social Sciences Simulation and Modeling Data-driven Science, Modeling and Theory Building Social Anthropology
Lingua di pubblicazione	Inglese
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Nota di contenuto	Introduction -- O tempora O mores : Building an epistemological procedure for modeling socio-anthropological factors: stakes, choices, hypotheses and constraints -- From culture difference to a measure of ethnogenesis -- Modeling niche construction in Neolithic Europe -- A new reading of the French Bronze Age using data from development-led archaeology: Bronze Age survey database (DatABronze) -- What can a MAS tell us about the Bantu migrations 3000 years ago? -- The evolutionary transition from biologically to culturally based social systems: Qualitative modeling issues -- Data models, connectivity between sites and the chaîne opératoire approach: the chalcolithic

southern levant as a case study -- Conclusion. .

Sommario/riassunto

This book covers the methodological, epistemological and practical issues of integrating qualitative and socio-anthropological factors into archaeological modeling. This text fills the gap between conceptual modeling (which usually relies on narratives describing the life of a past community) and formalized/computer-based modeling which are usually environmentally-determined. Methods combining both environmental and social issues through niche and agent-based modeling are presented. These methods help to translate data from paleo-environmental and archaeological society life cycles (such as climate and landscape changes) into the local spatial scale. The epistemological discussions will appeal to readers as well as the resilience socio-anthropological factors provide facing climatic fluctuations. Integrating Qualitative and Social Science Factors in Archaeological Modelling will appeal to students and researchers in the field. Features the integration of socio-anthropological factors (such as inheritance or locality) into conceptual modeling; Contains several examples of formalization case studies; each one describing a method dealing with socio-anthropological factors; Includes an epistemological analysis of the way factors are integrated and/or formalized for reducing the gap between environmentally-deterministic and socio-anthropological-formalized modelling.
