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Titolo	Climate impacts on sustainable natural resource management / / edited by Pavan Kumar [and four others]
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ISBN	1-119-79339-4 1-119-79340-8 1-119-79338-6
Descrizione fisica	1 online resource (382 pages)
Disciplina	333.7
Soggetti	Natural resources management areas Climatic changes
Lingua di pubblicazione	Inglese
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Impact of local REDD+ intervention on greenhouse gas emissions in East Kalimantan Province, Indonesia -- Role of geospatial technologies in natural resource management -- Estimation of snow cover area using microwave SAR dataset -- Forest cover change detection across recent three decades in Persian oak forests using convolutional neural network -- The interlinked mechanisms of productivity for developing process-based forest growth models -- Allometric equations for the estimation of biomass and carbon in the sub-tropical pine forests of India -- Characterization of stress-prone areas for dissemination of suitable rice varieties and its adoption in eastern India : an integrated approach towards food security -- Farmer's perspective and adaptation efforts to tackle the impacts of climate change -- Multicriteria drought severity analysis in monaragala district Sri Lanaka by utilizing remote sensing and GIS -- Comparative evaluation of predicted hydrologic response under two extremities of sustainability using transformed landuse-landcover and cordex-based climatic scenarios : a case study of Kangshabati river basin, West Bengal -- Riverine health a function of riverscape variable : a case study of river Ganga in Varanasi -- Socio-economic impacts of climate change -- The role of political economy in

	the making of a vulnerable environment in the age of climate change : a Kerala experience -- Land use/land cover (LULC) changes in Cameron Highland, Malaysia : explore the impact of the LULC change on land surface temperature (LST) using remote sensing -- Emerging roles of osmoprotectants in alleviating abiotic stress response under changing climatic conditions -- Growth variability of conifers in temperate region of western Himalayas -- Process-based carbon sequestration study with reference to the energy-water-carbon flux in a forest ecosystem.
Sommario/riassunto	"This book covers significant and updated contribution in the field of sustainable natural resources management linked to climate change. The updated knowledge from countries like India, Indonesia, Japan, Malaysia, Sri Lanka, and the USA is presented in this book through selected case studies for major thematic areas that have basic preliminary concepts and elaborates the scientific understanding of the relationship between natural resources and climatic drivers, influence of climate change on agriculture, forest, water resources, etc. The book has been separated into six major themes each having subject-specific chapters to develop the concept and to present the findings in a lucid way that is useful for a wide range of readers. While the range of applications and innovative techniques is constantly increasing, this book provides a summary of key case studies to provide the most updated information. Chapters incorporate multi-source data and information that offer critical understanding to explain the causes and effects of environmental changes linked to natural resource management. This book will be of interest to researchers and practitioners in the field of environmental sciences, remote sensing, geographical information, meteorology, sociology and policy studies, etc. related to natural resource management and climate change. Also, scientists and graduate and post-graduate level students of various disciplines will find valuable information in this book. Webelieve that the book would be read by people with a common interest in sustainable development and other diverse backgrounds within earth observation"--