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Titolo	Landscape Dynamics, Soils and Hydrological Processes in Varied Climates / / edited by Assefa M. Melesse, Wossenu Abtew
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ISBN	3-319-18787-2
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (822 p.)
Collana	Springer Geography, , 2194-315X
Disciplina	333.7
Soggetti	Soil science Soil conservation Hydrology Physical geography Climate change Soil Science & Conservation Hydrology/Water Resources Physical Geography Climate Change Management and Policy
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	From the Contents: Introduction -- GIS and Remote Sensing Based Forest Resource Assessment, Quantification and Mapping in Amhara Region, Ethiopia -- Landscape Changes Impact on Regional Hydrology and Climate.- Multi-Temporal Land Use/Land Cover Change Detection of the Batena watershed, Rift Valley Lakes Basin, Ethiopia -- Analyses of Land Use Land Cover Change Dynamics in the Upland Watersheds of Upper Blue Nile Basin -- Land Use Land Cover Change Impact on Groundwater Recharge.
Sommario/riassunto	The book presents the processes governing the dynamics of landscapes, soils and sediments, water and energy under different climatic regions using studies conducted in varied climatic zones including arid, semi-arid, humid and wet regions. The spatiaotemporal availability of the processes and fluxes and their linkage to the environment, land, soil and water management are presented at various

scales. Spatial scales including laboratory, field, watershed, river basin and regions are represented. The effect of tillage operations and land management on soil physical characteristics and soil moisture is discussed. The book has 35 chapters in seven sections: 1) Landscape and Land Cover Dynamics, 2) Rainfall-Runoff Processes, 3) Floods and Hydrological Processes 4) Groundwater flow and Aquifier Management, 5) Sediment Dynamics and Soil Management, 6) Climate change impact on vegetation, sediment and water dynamics, and 7) Water and Watershed Management.