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Nota di contenuto	1 Geospatial Technologies' Basic Concepts and Recent Applications in Natural Resources Management and Decision Support -- 2 Dam-Failure Induced Flood Simulation Modelling and Mapping using Space Technology -- 3 Assessing Drainage Characteristics Through Morphometric Evaluation in the Upper Wabe Shebelle Basin, Ethiopia -- 4 Changing Surface Water Scenario in Jhansi District of Bundelkhand Region -- 5 Hydro-Vegetation Dynamics in Godavari River Sub-Basins -- 6 Groundwater Potential Zoning in The Purulia District, West Bengal -- 7 Modelling and Predicting Forest Dynamics and Their Impacts on Ecosystem Services -- 8 Machine Learning-Based Algorithms for

Mapping Mangrove Cover Changes in Mumbai Region Using Google Earth Engine -- 9 Geospatial Technologies' Concepts and Methods for Land-Use Land-Cover Dynamics Mapping -- 10 Mapping Soil Erosion Vulnerability in the Upper Blue Nile River Basin, Ethiopia -- 11 Advancements in Land Use Land Cover Classification -- 12 Assessment of Soil Erosion in Joshimath, Uttarakhand Using the Revised Universal Soil Loss Equation (RUSLE) and Machine Learning Approach -- 13 Comparison of Land Use Land Cover Classification Using Sentinel-2 Images with Different Deep Learning Approaches -- 14 Geospatial Techniques for Mapping and Monitoring Land Use Land Cover Change -- 15 Assessment of Salt-Affected Soil Using Remote Sensing-Based Salinity Indices -- 16 Estimating Soil Erosion in Surguja District, Chhattisgarh (India) Using the RUSLE Model and Geo-spatial Techniques -- 17 Benefits of Green and Blue Spaces (GBS) for Heat Mitigation and Emission Reduction in Urban Areas -- 18 Geospatial Techniques to Assess Green Equity in the City of Bhopal, India -- 19 Discriminating Maize and Soyabean in Mixed Cropping Systems Using Unmanned Aerial Systems Datasets and Random Forest -- 20 Chronology of Mangrove Destruction by Pond Expansion in the Mahakam Delta, Indonesia, Using Automatic Mangrove Map and Index (AMMI) and Automatic Shoreline Map (ASM) Index Through the Google Earth Engine Platform -- 21 Applications of Geospatial Technology in Wildfire Studies -- 22 Challenges and Future Opportunities of Geospatial Modelling for Natural Resource Assessment.

Sommario/riassunto

This contributed volume provides coverage of geospatial technology and modelling techniques that are useful for natural resource assessment at various scales, from regional to global. This makes it a valuable resource for researchers, practitioners, scientists, faculties and students interested in understanding how geospatial tools can be used to assess natural resources. The book provides numerous examples of how geospatial technology and modeling can be applied to different natural resource management scenarios, including forest management, wildlife conservation, water resources management, and climate change adaptation. The book takes an interdisciplinary approach to natural resource management, bringing together perspectives from ecology, environment, geography, geology, and other fields.
