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Nota di contenuto	1. Geo-hazards in Langtang, Nepal -- 2. Impact of climate change on the onset of floods in the Ganges river in Bangladesh -- 3. Water issues in Sri Lanka -- 4. NDVI variability in Bangladesh -- 5. Agro-ecosystems in the Brahmaputra Valley, India -- 6. Going, going, gone? Declining vegetation health in Nepal -- 7. Politics of Urban Land use Planning in South Asia 8. Environmental issues in Myanmar -- 9. Above ground biomass assessment and carbon sequestration potentials in Bhutan -- 10. Prioritization of flood prone villages in Indo-Bangladesh using analytical hierarchy process and geospatial techniques.
Sommario/riassunto	Studies on South Asia are an emerging interdisciplinary field, this volume expands on the currently limited literature available on South Asia and focuses on the regions environmental, climatic and natural

resource base by looking at case studies from Nepal, India and Bangladesh. The book contains twelve chapters which deal with various environmental challenges, such as the impacts of climate change on floods and droughts, population structure and regeneration dynamics of dominant treeline species, environmental changes and rural livelihoods, and change analysis and impacts of hard coastal structures. Apart from the various thematic areas and diversity of geographical coverage, most of the studies also demonstrate the application of geospatial techniques for the collection of environmental data, and the use of GIS for spatial analysis of the data. The specific application of geospatial techniques and methods includes NDVI, NDWI, NDBI, SMI, SPOT-VGT NDVI, environmental flow, distribution and trend estimation of tropospheric formaldehyde, vegetation sensitivity to climate change, variability of tropospheric ozone, and geo-environmental problems. The contributors are seasoned researchers currently engaged in academic and research activities, and work at universities in USA, India, Bangladesh, Bhutan and Japan.
