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Autore	Sharma Chetan
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Sommario/riassunto

This two-volume set showcases the various ways in which geospatial technology can be used to achieve sustainable development goals across different sectors such as urban planning, natural resource management, agriculture, disaster management, and energy management. The books provide insights into the potential of geospatial technology in promoting sustainable development practices and addressing challenges related to climate change, environmental degradation, and socio-economic development. Both volumes together are a comprehensive guide that showcases the potential of geospatial technology in promoting sustainable development practices across different sectors, and will serve as an essential resource for professionals, policymakers, researchers, and students interested in sustainable development and geospatial technology. Volume 2 explores practical applications, insightful case studies, and emerging trends within the dynamic intersection of sustainable development and geospatial technology. Delving into the critical domain of water resources and agriculture, it scrutinizes the application of geospatial tools in river basin management, integrated water resources management (IWRM), sustainable agriculture, and precision agriculture. The volume then shifts its focus to disaster management, energy, and the future, encompassing geospatial data science for disaster resilience, Earth observation for sustainable energy management, and diverse case studies that highlight the impact of geospatial technology on sustainable development. Moreover, it ventures into environmental monitoring and analysis, discussing topics like land use planning, climate change mitigation, environmental monitoring technology, and socioeconomic inequalities.