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Nota di contenuto	Chapter1: Managing Carbon Cycle Linkage to Livelihood in HKH Region -- Chapter2: Climate Change Mitigation and Pastoral Livelihood in the Hindu Kush Himalaya Region: Research Focuses, Opportunities and Challenges -- Chapter3: Tracking of Vegetation Carbon Dynamics from 2001 to 2016 by MODIS GPP in HKH region -- Chapter4: Livelihood and Carbon Management by Indigenous People in Southern Himalayas -- Chapter5: Effects of Different Grassland Management Patterns on Soil Properties on the Qinghai-Tibetan Plateau -- Chapter6: Carbon Management of the Livestock Industry in the HKH Region -- Chapter7: Wetlands as a Carbon Sink: Insight into the Himalayan Region -- Chapter8: Milk and Dung Production by Yaks (Poephagus grunniens): Important Products for the Livelihood of the Herders and for Carbon Recycling on the Qinghai-Tibetan Plateau -- Chapter9: Interactive

Mechanism of Service Function of Ecosystems and the Effect of Climate Change to the Service Function of Ecosystem in Alpine Grassland of Tibetan Plateau -- Chapter10: Prospects of Biochar for Carbon Sequestration and Livelihood Improvement in the Tibetan Grasslands -- Chapter11: Optimizing the Alpine Grazing System to Improve Carbon Management and Livelihood for Tibetan Herders -- Chapter12: Promoting Artificial Grasslands to Improve Carbon Sequestration and Livelihood of Herders -- Chapter13: Prospects for REDD+ Financing in Promoting Forest Sustainable Management in HKH -- Chapter14: Designing Water Resource Use for Poverty Reduction in the HKH Region: Institutional and Policy Perspectives -- Chapter15: Indigenous Practice in Agro-pastoralism and Carbon Management from a Gender Perspective: A Case from Nepal -- Chapter16: Adaptation by Herders on the Qinghai-Tibetan Plateau in Response to Climate Change and Policy Reforms: the Implications for Carbon Sequestration and Livelihoods -- Chapter17: Developing Linkages for Carbon Sequestration, Livelihoods and Ecosystem Service Provision in Mountain Landscapes--Challenges and Opportunities in the Himalaya Hindu Kush (HKH) Region -- Chapter18: Experience for Future Good Practice and Policy of Combined Carbon Management and Livelihood in HKH Region.

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### Sommario/riassunto

This book contributes to our understanding of linkages between carbon management and local livelihoods by taking stock of the existing evidence and drawing on field experiences in the Hindu Kush Himalayan (HKH) region, an area that provides fresh water to more than 2 billion people and supports the world's largest population of pastoralists and millions of livestock. This edited volume addresses two main questions: 1. Does carbon management offer livelihood opportunities or present risks, and what are they? 2. Do the attributes of carbon financing alter the nature of livelihood opportunities and risks? Chapters analyze the most pressing deficiencies in understanding carbon storage in both soils and in above ground biomass, and the related social and economic challenges associated with carbon sequestration projects. Chapters deliver insights to both academics from diverse disciplines (natural sciences, social sciences and engineering) and to policy makers. .

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