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| Nota di contenuto | Book Cover; Half-Title; Title; Copyright; Contents; Contributors; Abbreviations; Preface; 1. The Global Imperative and Policy for Carbon Sequestration; 2. Role of Forest Biomes in the Global Carbon Balance; 3. Carbon Sequestration in European Croplands; 4. Estimating Forest and Other Terrestrial Carbon Fluxes at a National Scale: The UK Experience; 5. Regional-Scale Estimates of Forest CO ₂ and Isotope Flux Based on Monthly CO ₂ Budgets of the Atmospheric Boundary Layer; 6. Regional Measurement and Modelling of Carbon Balances 7. The Potential for Risking CO ₂ to Account for the Observed Uptake of Carbon by Tropical, Temperate, and Boreal Forest Biomes8. Measurement of CO ₂ Exchange Between Boreal Forest and the Atmosphere; 9. Carbon Exchange of Deciduous Broadleaved Forests in |

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Sommario/riassunto

The Carbon Balance of Forest Biomes provides an informed synthesis on the current status of forests and their future potential for carbon sequestration. This volume is timely, since convincing models which scale from local to regional carbon fluxes are needed to support these international agreements, whilst criticisms have been levelled at existing empirical approaches. One key question is to determine how well eddy-flux measurements at the stand-level represent regional-scale processes. This may be related to specific management practices (age, plantation, fertilisation) or
