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Altri autori (Persone)	GriffithsH <1953-> (Howard) JarvisP. G (Paul Gordon)
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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 CO2 and Isotope Flux Based on Monthly CO2 Budgets of the Atmospheric Boundary Layer; 6. Regional Measurement and Modelling of Carbon Balances

1.

	Temperate and Mediterranean Regions; 10. The Carbon Balance of the Tropical Forest Biome; 11. The Carbon Balance of Forest Soils: Detectability of Changes in Soil Carbon Stocks in Temperate and Boreal Forests; 12. Fractional Contributions by Autotrophic and Heterotrophic Respiration to Soil-surface CO2 Effluxin Boreal Forests 13. Trace Gas and CO2 Contributions of Northern Peatlands to Global Warming Potential14. Contribution of Trace Gases Nitrous Oxide (N2O) and Methane (CH4) to the Atmospheric Warming Balance of Forest Biomes; 15. Effects of Reforestation, Deforestation, and Afforestation on Carbon Storage in Soils; 16. 'Carbon Forestry': Managing Forests to Conserve Carbon; Index
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