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Disciplina	624.184
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Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Frontmatter -- Contents -- Foreword -- The World's Forests -- Deforestation -- Climate Change -- The Carbon Cycle and Forests -- Sustainable Forest Management -- Certification Systems -- Forest Products -- Carbon Sequestration and Substitution Potential -- Industry and Wood Utilization -- Reuse and Recycling -- Life-Cycle Assessment -- Globalization Trends -- The Carpentry Trade -- Timber Construction Systems -- Wood-Based Composite Products -- Hybrid Construction and Composite Components -- Prefabrication and Mass Customization -- Wood Technology and Digital Manufacturing -- Craft Tradition and Future -- Authenticity and Contradiction -- Weathering and Preservation -- Health and Well-Being -- Wood in the City -- Building in Existing Fabric -- Multi-Story Timber Construction -- Rapid Housing -- Regional Value Added -- Future Developments -- Biography / Acknowledgments -- Selected Bibliography -- Illustration Credits
Sommario/riassunto	Angesichts des vom Menschen verursachten Klimawandels und der Notwendigkeit, Wohnraum für eine wachsende Weltbevölkerung zu schaffen, ist zu überdenken, wie künftig gebaut werden soll. Holz ist ein Baumaterial, das unbegrenzt nachwächst, wenn Wachstum und Ernte nachhaltig bewirtschaftet werden. Jüngste technologische Fortschritte ermöglichen den Bau von hohen mehrstöckigen Tragwerken aus Holz und können so unsere Bauten und Städte von CO2-Verursachern in Kohlenstoffsinken verwandeln. Das Buch

präsentiert überzeugende Argumente für den verstärkten Einsatz von Holz als Alternative zu energieintensiven Baustoffen. Ein integrierter Ansatz des Bauens mit Holz hat das Potenzial, sich nachhaltig auf die Umwelt, die lokale Wirtschaft und die Baukultur im Allgemeinen auszuwirken.

Faced with man-made climate change and the need to provide housing for a growing world population, society needs to rethink the way future buildings are made. Wood is a truly renewable building material that is unlimited in supply if its growth and harvest are sustainably managed. Recent technological advancements in engineering allow the use of timber for the construction of multi-story structures, turning our buildings into carbon sinks rather than becoming sources for CO₂-emissions. The book presents convincing arguments for the increased use of wood as an alternative to more fossil fuel intensive building materials, with the goal of demonstrating that an integrated approach can have the potential for positive impact on the environment, local economies, and the building culture at large.
