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Titolo	Agri-food and Forestry Sectors for Sustainable Development : Innovations to Address the Ecosystems-Resources-Climate-Food-Health Nexus / / by Francesco Meneguzzo, Federica Zabini
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Nota di contenuto	Chapter 1. Sustainability in a highly interconnected world -- Chapter 2. Technological sustainability: efficient and green process intensification -- Chapter 3. Forest management for climate protection -- Chapter 4. Forest ecosystem service for human health -- Chapter 5. Sustainable crop protection and farming -- Chapter 6. Water conservation and resources efficiency in agriculture -- Chapter 7. Sustainable and affordable technologies for food processing -- Chapter 8. Sustainable exploitation of agro-food waste.
Sommario/riassunto	This book surveys state-of-the-art and prospective practices, methods and technologies in agri-food and forestry sectors to document the potential measurable improvements in areas of environmental management, food security, economic growth, social cohesion and human health at the local and global scale. With a focus on the ecosystems-resources-climate-food-health nexus as a framework towards achieving the UN Sustainable Development Goals applicable in

these sectors, the book offers a portfolio of guidelines and standards that assesses the affordability, potential profitability and possible unintended consequences of interventions. The areas of intervention covered in the study include global and local forest resources management, safe wastewater reuse for irrigation, sustainable crop and plant protection (e.g. biopesticides, bioherbicides), carbon sequestration and emission reduction strategies, and safe processing methods for food and food waste (e.g. sustainable food preservatives and healthier food). The book is primarily intended for academics, professionals, and policymakers. The professional audience, including enterprises in the forestry, farming, food processing, healthcare and waste management sectors, will take advantage of the updated knowledge basis concerning the innovations in the respective practices, methods and technologies, including their feasibility, affordability and profitability, and policymakers will find useful the comprehensive review of these innovations which could be strategically promoted and deployed in the next decade, with the aim of achieving the UN Sustainable Development Goals.

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