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Sommario/riassunto	Failure by the international community to make substantive progress in reducing CO2 emissions, coupled with recent evidence of accelerating climate change, has brought increasing urgency to the search for additional remediation approaches. This book presents a selection of state-of-the-art geoengineering methods for deliberately reducing the effects of anthropogenic climate change, either by actively removing greenhouse gases from the atmosphere or by decreasing the amount of sunlight absorbed at the Earth’s surface. These methods contrast with more conventional mitigation approaches which focus on reducing emissions of greenhouse gases, especially carbon dioxide. Geoengineering technologies could become a key tool to be used in conjunction with emissions reduction to limit the magnitude of climate

change. Featuring authoritative, peer-reviewed entries from the Encyclopedia of Sustainability Science and Technology, this book presents a wide range of climate change remediation technologies. Examines the potential of geoengineering technologies to contribute to the goal of restricting global warming to within 2°C of preindustrial levels Discusses carbon dioxide removal (CDR) and solar radiation management (SDR) Places the technologies discussed in their proper social, political, and ethical contexts Provides valuable insights for audiences ranging from researchers and industry experts to policy makers and university-level students.