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Nota di contenuto	Earth in Reverse Gear -- A Glimpse of Natural Climatic History -- Understanding the Warming Process -- Nature's Reaction to Anthropogenic Activities -- Reducing Carbon Growth. .
Sommario/riassunto	This volume provides a holistic and concise overview of the complex science of climate change involving the interplay of multiple factors. It also acts as a primer and a one-source reference to all the aspects of climate change, allowing researchers to understand the complexity of this science and to see the larger picture, thereby aiming towards holistic solutions. Beginning in the second half of the twentieth century, the impacts of climate change have been the worst nightmare to hit humanity so fiercely, causing loss of human life and irreparable destruction to natural and man-made infrastructure in many parts of the world. The difference between climate change now and in the past is that of sudden and disproportionate disruption of the natural energy dynamics by the changing consumption patterns of billions of human beings who, in their quest for economic superiority, have polluted the

terrestrial and aquatic ecosystems. The picture that emerges from the exhaustive analysis of international data drawn from the most reliable sources indicates that we have possibly gained access to the gateway of extinction and it is time that we take corrective steps immediately. The book's chapters not only provide an overview of climate change science but also include detailed discussion on current research. This unique analytical text is suitable for conservation environmentalists, researchers, and academicians working in the field, along with policy makers, research and training institutes, and nongovernment organizations.

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