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Technology Create More Problems Than It Solves? -- The Tree of Science (1857) -- To Choose a Future (1972) -- "The Dynamics of Energy Systems and the Logistic Substitution Model" (1979) -- Part 7. Climate How Can We Predict Change? -- "On the Transmission of Heat" (1859) -- "On the Influence of Carbonic Acid in the Air upon the Temperature of the Ground" (1896) -- "Seasonal Foreshadowing" (1930) -- "The Artificial Production of Carbon Dioxide and Its Influence on Temperature" (1938) -- "Unpleasant Surprises in the Greenhouse?" (1987) -- "Climate and Atmospheric History of the Past 420,000 Years from the Vostok Ice Core, Antarctica" (1999) -- Part 8. Diversity Why Do We Need It, and Can We Conserve It? -- The Invaders (1958) -- The Forestry Projections and the Environment: Global-Scale Environmental Impacts (1980) -- "What Is Conservation Biology?" (1985) -- "Radical American Environmentalism and Wilderness Preservation: A Third World Critique" (1997) -- Part 9 Measuring How Do We Turn the World into Data? -- An Investigation of the Currents of the Atlantic Ocean (1832) -- "Current Problems in Meteorology" (1957) -- Nature's Services: Societal Dependence on Natural Ecosystems (1997) -- The Economics of Climate Change (2006) -- Part 10. The Anthropocene How Can We Live in a World Where There Is No Nature Without People? -- "The 'Anthropocene'" (2000) -- "A Safe Operating Space for Humanity" (2009) -- "Reducing the Future to Climate: A Story of Climate Determinism and Reductionism" (2011) -- Select Bibliography -- Acknowledgments -- Commentators -- Selection Credits -- Index -- About the editors

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## Sommario/riassunto

This anthology provides an historical overview of the scientific ideas behind environmental prediction and how, as predictions about environmental change have been taken more seriously and widely, they have affected politics, policy, and public perception. Through an array of texts and commentaries that examine the themes of progress, population, environment, biodiversity and sustainability from a global perspective, it explores the meaning of the future in the twenty-first century. Providing access and reference points to the origins and development of key disciplines and methods, it will encourage policy makers, professionals, and students to reflect on the roots of their own theories and practices.

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