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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1. Setting the scene: Human activities, environmental impacts and governance arrangements in Antarctica -- Part I. Species and Ecosystems -- 2. Human Impacts on Antarctic Wildlife: predictions and speculations for 2060 -- 3. Antarctic Marine Living Resources -- "The future is not what it used to be" -- 4. Present and future conservation management of Antarctic baleen whales -- 5. Global movement and homogenisation of biota: challenges to the environmental management of Antarctica? -- 6. The Effects of Human Trampling on Maritime Antarctica Soils -- Part I Summary -- Part II. Regional Case Studies -- 7. Environmental Situation and Management Challenges for the Fildes Peninsula Region -- 8. Historical developments, drivers of change and future scenarios for human activities in Deception Island -- 9: Long

Term Monitoring of Human impacts to the Terrestrial Environment at McMurdo Station -- Part II Summary -- Part III. Actors and Sectors -- 10. Valuing Antarctica: Emerging Views from International Studies -- 11. Strategic thinking and the Antarctic wilderness: Contrasting alternative futures -- 12. Strategic management and regulation of Antarctic tourism -- 13. Future challenges in environmental management of National Antarctic Programs -- 14. Strategic thinking for the Antarctic environment: the use of assessment tools in governance -- Part III Summary -- Part IV. Conclusions -- 15. Conclusions: Multiple dimensions of human engagement with the Antarctic environment -- Index.

Sommario/riassunto

This book discusses concerns for the sensitive environments and ecosystems of Antarctica and looks ahead to the state of the continent as it might be in 2060. At the beginning of the 21st century, Antarctica stands at the edge of a warmer and busier world. The editors have gathered leading researchers to examine the challenges of Antarctic environmental governance, and to address such important questions as: What future will Business-As-Usual bring to the Antarctic environment? Will a Business-As-Usual future be compatible with the objectives set out under the Antarctic Treaty, especially its Protocol on Environmental Protection? What actions are necessary to bring about alternative futures for the next 50 years? An introductory chapter sets the scene by tracing the history of human activities, and the development of international legislation and other governance initiatives, for managing environmental impacts in Antarctica. Section A: Species and Ecosystems examines the future state of Antarctic ecosystems in general, and specifically focuses on baleen whales, fisheries, introduction of non-native species, and the consequences of human trampling on soils. Section B: Regional Case Studies offers detailed summaries of human activities and environmental management in three distinct regions - Fildes Peninsula and Deception Island in the South Shetland Islands, and McMurdo Station in the Ross Sea region - as microcosms of current practice from which lessons can be learned. Section C: Actors and Sectors offers a diverse set of perspectives from representatives of environmental non-governmental organizations and governmental institutions as well as from tourism and sustainability researchers on how Antarctica is used, valued and governed, and how strategic thinking can assist in exploring, and potentially reaching, desirable futures for the Antarctic environment. The conclusion chapter summarizes the preceding discussions and calls for integrating a strategic vision into all aspects of Antarctic environmental governance. Antarctic Futures: Human Engagement with the Antarctic Environment draws on research from the International Polar Year (2007-2009) presented at the 2010 Oslo Science Conference, probing multiple dimensions of human engagement with the Antarctic environment.
