Record Nr. UNINA9910465675503321 **Titolo** Advancing the science of climate change [[electronic resource] /] / National Research Council of the National Academies Washington, D.C., : National Academies Press. 2010 Pubbl/distr/stampa **ISBN** 1-282-94849-0 9786612948497 0-309-14589-9 Descrizione fisica 1 online resource (525 p.) Collana America's climate choices Advancing the science of climate change Disciplina 363.73874 Climatic changes - Research - United States Soggetti Climatic changes - United States Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia "America's Climate Choices: Panel on Advancing the Science of Climate Note generali Change, Board on Atmospheric Sciences and Climate, Division on Earth and Life Studies." Nota di bibliografia Includes bibliographical references. Nota di contenuto ""Front Matter""; ""Foreword: About America's Climate Choices""; ""Preface""; ""Acknowledgments""; ""Contents""; ""Summary""; ""Part I""; ""1 Introduction: Science for Understanding and Responding to Climate Change""; ""2 What We Know About Climate Change and Its Interactions with People and Ecosystems"; ""3 A New Era of Climate Change Research""; ""4 Integrative Themes for Climate Change Research""; ""5 Recommendations for Meeting the Challenge of Climate Change Research""; ""Part II: Technical Chapters""; ""6 Changes in the Climate System""; ""7 Sea Level Rise and the Coastal Environment"" ""8 Freshwater Resources"""9 Ecosystems, Ecosystem Services, and Biodiversity""; ""10 Agriculture, Fisheries, and Food Production""; ""11 Public Health": ""12 Cities and the Built Environment"": ""13 Transportation""; ""14 Energy Supply and Use""; ""15 Solar Radiation Management""; ""16 National and Human Security""; ""17 Designing, Implementing, and Evaluating Climate Policies""; ""References""; ""Appendix A: America's Climate Choices: Membership Lists""; ""Appendix B: Panel on Advancing the Science of Climate Change:

Statement of Task""

""Appendix C: Panel on Advancing the Science of Climate Change: Biographical Sketches"""Appendix D: Uncertainty Terminology""; ""Appendix E: The United States Global Change Research Program""; ""Appendix F: Geoengineering Options to Respond to Climate Change: Steps to Establish a Research Agenda""; ""Appendix G: Acronyms and Initialisms""