1. Record Nr. UNINA9910454218603321

Titolo	Rising above the gathering storm [[electronic resource]] : energizing and employing America for a brighter economic future / / Committee on Prospering in the Global Economy of the 21st Century : an agenda for American science and technology ; Committee on Science, Engineering, and Public Policy
Pubbl/distr/stampa	Washington, D.C., : National Academies Press, c2007
ISBN	1-280-84462-0 9786610844623 0-309-65442-4
Descrizione fisica	1 online resource (590 p.)
Disciplina	331.12/0420973
Soggetti	Globalization Electronic books. United States Economic conditions Forecasting United States Economic policy
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references (p. 517-535) and index.
Nota di contenuto	""Front Matter""; ""Preface""; ""Acknowledgments""; ""Contents""; ""Boxes, Figures, and Tables""; ""Executive Summary""; ""1 A Disturbing Mosaic""; ""2 Why Are Science and Technology Critical to America's Prosperity in the 21st Century?""; ""3 How Is America Doing Now in Science and Technology?""; ""4 Method""; ""5 What Actions Should America Take in K-12 Science and Mathematics Education to Remain Prosperous in the 21st Century?""; ""6 What Actions Should America Take in Science and Engineering Research to Remain Prosperous in the 21st Century?"" ""7 What Actions Should America Take in Science and Engineering Higher Education to Remain Prosperous in the 21st Century?""""""8 What Actions Should America Take in Economic and Technology Policy to Remain Prosperous in the 21st Century?""; ""9 What Might Life in the United States Be Like if It Is Not Competitive in Science and Technology?""; ""Appendixes""; ""Appendix A Committee and

Professional Staff Biographic Information""; ""Appendix B Statement of Task and Congressional Correspondence""; ""Appendix C Focus-Group Sessions""; ""Appendix D Issue Briefs""
""K-12 Science, Mathematics, and Technology Education""""""Attracting the Most Able US Students to Science and Engineering""; ""Undergraduate, Graduate, and Postgraduate Education in Science, Engineering, and Mathematics""; ""Implications of Changes in the Financing of Public Higher Education""; ""International Students and Researchers in the United States""; ""Achieving Balance and Adequacy in Federal Science and Technology Funding""; ""The Productivity of Scientific and Technological Research""; ""Investing in High-Risk and Breakthrough Research""
""Ensuring That the United States Is at the Forefront in Critical Fields of Science and Technology""""""Understanding Trends in Science and Technology Critical to US Prosperity""; ""Ensuring That the United States Has the Best Environment for Innovation""; ""Scientific Communication and Security""; ""Science and Technology Issues in National and Homeland Security""; ""Appendix E Estimated Recommendation Cost Tables""; ""Appendix F K-12 Education Recommendations Supplementary Information""; ""Appendix G Bibliography""; ""Index""