1. Record Nr. UNINA9910778608903321 Future roles and opportunities for the U.S. Geological Survey **Titolo** [[electronic resource] /] / Committee on Future Roles, Challenges, and Opportunities for the U.S. Geological Survey, Commission on Geosciences, Environment, and Resources, National Research Council Pubbl/distr/stampa Washington, D.C., : National Academy Press, c2001 **ISBN** 0-309-18311-1 1-280-18523-6 9786610185238 0-309-56336-4 Descrizione fisica 1 online resource (189 p.) Collana The compass series Disciplina 551/.0973 Soggetti Geological surveys - United States Earth sciences - United States Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references (p. 153-162). ""FUTURE ROLES AND OPPORTUNITIES FOR THE U.S. GEOLOGICAL Nota di contenuto SURVEY""; ""Copyright""; ""Contents""; ""Executive Summary""; ""A NATURAL SCIENCE AND INFORMATION AGENCY"": ""MAJOR RESPONSIBILITIES""; ""Monitoring, Reporting, and Forecasting""; ""Assessing Resources""; ""Providing Geospatial Information""; ""NATIONAL AND INTERNATIONAL ROLES"": ""IMPROVING EFFECTIVENESS""; ""Priority Setting""; ""Meeting Technical Needs""; ""Budget""; ""CONCLUSION""; ""1 Introduction""; ""VISION AND MISSION OF THE USGS""; ""STRATEGIC CHANGE AT THE USGS""; ""STUDY AND REPORT""; ""2 The Past and Present as a Prologue"" ""THE PUBLIC DOMAIN AND THE USGS"""THE EVOLUTION OF THE USGS""; ""Changes in Society""; ""1879 to 1920""; ""1920-1975""; ""1975-Present""; ""Changes in Relationships Between Society and Science""; ""Changes Within the USGS""; ""THE USGS TODAY""; ""3 Future Societal Trends""; ""NATURAL RESOURCES""; ""Mineral Resources""; ""Energy Resources""; ""Water Resources""; ""Biological Resources"";

""ENVIRONMENTAL ISSUES""; ""GLOBALIZATION AND NATIONAL

SECURITY""; ""SOCIETAL EXPECTATIONS AND THE DEMAND FOR INFORMATION""; ""SERVING THE UNDERSERVED POPULATION""; ""SUMMARY""

""4 Evolving to Meet National Needs""""ROLE OF THE USGS""; ""SERVING CUSTOMERS""; ""FUTURE PROGRAM EMPHASIS""; ""Integrative System Models""; ""The USGS as a Scientific Information Portal""; ""Other Program Areas""; ""INTERNATIONAL ACTIVITIES""; ""FUTURE RESEARCH OPPORTUNITIES""; ""Hazards""; ""Hydrologic Processes and Hazards""; ""Wildfires and Public Policy""; ""Environment""; ""Global Climate Change""; ""Climate Variability and Water Resources""; ""Links Between Geologic Processes and Human Health""; ""State of the Nation's Ecosystems""; ""Restoration of Aquatic Ecosystems"" ""Investigations to Support Wise Urban Development in the West""" Natural Resources""; ""Life Cycles of Ore Materials""; ""Geologic Frameworks for Transition to a Methane Fuel Economy"": ""TRANSITION TOWARD AN INTEGRATED NATURAL SCIENCE AND INFORMATION AGENCY""; ""SUMMARY""; ""5 Future Challenges""; ""PRIORITY SETTING""; ""RESEARCH PROGRAM""; ""EXTERNAL GUIDANCE""; ""HUMAN RESOURCES""; ""COORDINATION AND COLLABORATION""; ""Federal Partnerships""; ""Industry and University Partnerships""; ""External Grants Program""; ""Employee Exchanges""; ""REIMBURSABLE PROGRAMS""; ""BUDGET AND FUNDING"" ""SUMMARY"""6 Preparing for the Future: Conclusions and Recommendations""; ""A NATURAL SCIENCE AND INFORMATION AGENCY""; ""MAJOR RESPONSIBILITIES""; ""Monitoring, Reporting, and Forecasting""; ""Assessing Resources""; ""Providing Geospatial Information""; ""NATIONAL AND INTERNATIONAL ROLES""; ""IMPROVING EFFECTIVENESS""; ""Priority Setting""; ""Meeting Technical Needs""; ""Budget""; ""SUMMARY""; ""REFERENCES""; ""Appendixes""; ""Appendix A Biographical Sketches of Committee Members"; ""Appendix B Oral Presentations and Written Statements Submitted to the Committee""; ""ORAL PRESENTATIONS"" ""WRITTEN STATEMENTS""