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## ""STRATEGIC EVOLUTION OF ESE DATA SYSTEMS""

""LONG-TERM MAINTENANCE OF DATA""""Space Science Data and the National Space Science Data Center""; ""Earth Science Data""; ""Conclusions""; ""3 The Users of NASA Data""; ""USER PROFILE""; ""AVAILABILITY OF EARTH AND SPACE SCIENCE DATA""; ""SCIENTIFIC COMMUNITY USERS""; ""NONSCIENTIST USERS""; ""Education Community""; ""Formal Education""; ""Informal Education""; ""Usefulness of Data to the Education Community""; ""Online Outreach""; ""News Media""; ""Commercial Users and Decision Makers""; ""CONCLUSIONS""; ""4 Strategies for Managing Earth andSpace Science Data""

""A COMPREHENSIVE APPROACH TO INFORMATION MANAGEMENT""""ISSUES OF BALANCE: ACQUISITION, ANALYSIS, AND ARCHIVING""; ""Data Analysis Funding""; ""Timeliness of Data Analysis""; ""FEDERATED DATABASES""; ""The National Virtual Observatory""; ""Planetary Data System""; ""Federation of Earth Science Information Partners""; ""ELEMENTS OF EFFECTIVE DATA MANAGEMENT""; ""Appendixes""; ""Appendix A Letter of Request""; ""Appendix B The Data Life Cycle""; ""Appendix C Questionnaire to the Active Archives, Data Centers,and Data Services""

""Information Requested from the Space Science and Earth Science Facilities""""Additional Information Requested of the Space Science Active Facilities""; ""Additional Information Requested of the Distributed Active Archive Centers""; ""Appendix D Biographies of Task Group Members""; ""Appendix E Meeting Agendas""; ""Appendix F Acronyms""

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