

Research Priorities in Tropical Biology

Committee on Research Priorities in
Tropical Biology
Division of Biological Sciences
Assembly of Life Sciences
National Research Council

NATIONAL ACADEMY OF SCIENCES
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Program Report, 1978 Each issue covers a different subject Program Report - National Science Foundation National Science Foundation (U.S.), 1978 **Human Exploitation and Biodiversity Conservation** David L. Hawksworth, Alan T. Bull, 2008-01-03 This book presents a wide range of contributions addressing diverse aspects of biodiversity exploitation and conservation These collectively provide a snapshot of ongoing action and state of the art research rather than a series of necessarily more superficial overviews Examples presented here derive from studies in 17 countries including Africa Asia Europe and North and South America These reports will stimulate future work toward attaining a sustainable balance between the conservation and exploitation of biodiversity Biological Invasions Belowground: Earthworms as Invasive Species Paul F. Hendrix, 2008-09-01 The most conspicuous biological invasions in terrestrial ecosystems have been by exotic plants insects and vertebrates Less conspicuous but possibly of equal importance are invasions by soil invertebrates which are occurring literally beneath our feet Familiar examples include the South American fire ant *Solenopsis invicta* which has invaded North America and Australia and the New Zealand flatworm *Arthurdendyus triangulatus* which has become wide spread in the United Kingdom both have caused considerable ecological and economic damage There is now evidence that exotic earthworm invasions are increasing world wide and may be having significant impacts on soil processes and plant communities in some regions Much remains to be learned about these cryptic biological invasions The papers in this book are based on efforts by an international group of soil ecologists to assess the biological and ecological mechanisms of earthworm invasions their geographic extent and impacts on terrestrial ecosystems and possible means by which earthworm invasions might be mitigated *Research Strategies for the U.S. Global Change Research Program* National Research Council, Division on Engineering and Physical Sciences, Commission on Physical Sciences, Mathematics, and

Applications, Committee on Global Change, 1990-02-01 This book recommends research priorities and scientific approaches for global change research It addresses the scientific approaches for documenting global change developing integrated earth system models and conducting focused studies to improve understanding of global change on topics such as earth system history and human sources of global change *Race to Save the Tropics* Robert Goodland, 2013-04-10 *Race to Save the Tropics* documents the conflict between economic development and protection of biological diversity in tropical countries

Deforestation : Environmental Impact and Research Needs United States. Congress. House. Committee on Science and Technology. Subcommittee on Natural Resources, Agriculture Research, and Environment, 1983 **Forestry Resources Development Assistance** , 1980 **Selected Water Resources Abstracts** , 1981 **Scientist** Richard Rhodes, 2023-10-17 A masterful and timely biography of the hugely influential biologist and naturalist E O Wilson one of the most ground breaking and controversial scientists of our time from the Pulitzer Prize winning author of *The Making of the Atomic Bomb* Few biologists have been as productive ground breaking or controversial as Edward Osborne Wilson At 92 years old he may be the most eminent American scientist in any field today Fascinated from an early age by the natural world in general and ants in particular his field work on them and on all social insects has vastly expanded our knowledge of their many species and fascinating ways of being This work led to his 1975 book *Sociobiology* which created an intellectual firestorm with his contention that all animal behavior including that of humans is governed by the laws of evolution and genetics Wilson has since become a leading voice on the crucial importance of biodiversity and has worked tirelessly to synthesize science and the humanities in a fruitful way A towering figure in his own right Richard Rhodes has had complete and unfettered access to Wilson his associates and his papers in writing this book The result is one of the most accomplished anticipated and urgently necessary scientific biographies in years International Organization and Conference Series United States. Department of State, 1959 **Conserving Biodiversity** National Research Council, Board on Science and Technology for International Development, 1992-02-01 The loss of the earth s biological diversity is widely recognized as a critical environmental problem That loss is most severe in developing countries where the conditions of human existence are most difficult *Conserving Biodiversity* presents an agenda for research that can provide information to formulate policy and design conservation programs in the Third World The book includes discussions of research needs in the biological sciences as well as economics and anthropology areas of critical importance to conservation and sustainable development Although specifically directed toward development agencies non governmental organizations and decisionmakers in developing nations this volume should be of interest to all who are involved in the conservation of biological diversity **The National Biological Diversity Conservation and Environmental Research Act** United States. Congress. House. Committee on Science, Space, and Technology. Subcommittee on Natural Resources, Agriculture Research, and Environment, 1989 **U.S. Policy on Biological Diversity** United States. Congress. House. Committee on Foreign Affairs. Subcommittee on Human

Rights and International Organizations,1985 Biodiversity National Academy of Sciences/Smithsonian Institution,Division on Earth and Life Studies,Commission on Life Sciences,E.O. Wilson,1988-01-01 This important book for scientists and nonscientists alike calls attention to a most urgent global problem the rapidly accelerating loss of plant and animal species to increasing human population pressure and the demands of economic development Based on a major conference sponsored by the National Academy of Sciences and the Smithsonian Institution Biodiversity creates a systematic framework for analyzing the problem and searching for possible solutions *Environmental Quality* ,1980 **Environmental Quality** Council on Environmental Quality (U.S.),1980

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