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| Nota di contenuto | Monitoring Forest Biodiversity Improving Conservation through Ecologically Responsible Management; Copyright; Contents; List of Figures, Tables and Boxes; Foreword; Acknowledgements; List of Acronyms and Abbreviations; Introduction; Purpose of this book: How can monitoring contribute to forest biodiversity conservation?; Structure and scope of the book; PART I: THE CONTEXT OF MONITORING FOREST BIODIVERSITY; CHAPTER 1 Biodiversity Conservation in Human-modified and Managed Forests; Biodiversity in logged forests; Biodiversity in regenerating forests; Biodiversity in agroforestry systems Biodiversity in tree plantationsAn ecosystem approach to forest conservation; CHAPTER 2 The Origins and Development of Ecologically Responsible Forest Management; The origins of sustainable forest management (SFM); Sustainable forest management as a guiding vision versus a measurable standard; Criteria and indicators in forest |

management; CHAPTER 3 The Need for Forest Biodiversity Monitoring; Scientific uncertainty and biodiversity conservation in human-modified forest ecosystems; The purpose of biodiversity monitoring as a guide to management

CHAPTER 4 A Typology of Approaches and Indicators for Monitoring Forest BiodiversityMonitoring approaches; Monitoring indicators; PART II: CHALLENGES FACING FOREST BIODIVERSITY MONITORING; CHAPTER 5 Challenges to Monitoring: Problems of Purpose; The challenge of setting conservation goals and objectives as a basis for management and monitoring; A growing crisis of credibility in the value and purpose of monitoring; The importance of definitions and terminology to provide clarity of purpose; CHAPTER 6 Challenges to Monitoring: Problems of Design

The challenge of selecting appropriate indicators for biodiversity monitoringSetting management objectives and interpreting indicator change in biodiversity monitoring programmes; CHAPTER 7 Challenges to Monitoring: Problems of Reality; Adaptive forest management; Challenges to monitoring from governance and regulatory institutions; Cultural challenges to monitoring; PART III: AN OPERATIONAL FRAMEWORK FOR MONITORING FOREST BIODIVERSITY; Chapter 8 Clarifying Purpose: An Operational Framework for Monitoring Forest Biodiversity

Understanding the role of different monitoring approaches in forest managementUnderstanding the role of different indicators in the monitoring process; Bringing it all together: Implementing an operational framework for biodiversity monitoring as a guide to responsible forest management; CHAPTER 9 Setting Conservation Goals for Biodiversity Monitoring; Stakeholders and the value of biodiversity; Managing to conserve species and maintain ecological integrity; Selecting indicators to validate changes in forest condition; Selecting a reference condition to guide forest biodiversity monitoring

CHAPTER 10 Setting Objectives for Biodiversity Monitoring

Sommario/riassunto

The fate of much of the world's terrestrial biodiversity depends upon our ability to improve the management of forest ecosystems that have already been substantially modified by humans. Monitoring is an essential ingredient in meeting this challenge, allowing us to measure the impact of different human activities on biodiversity and identify more responsible ways of managing the environment. Nevertheless many biodiversity monitoring programs are criticised as being little more than 'tick the box' compliance exercises that waste precious resources and erode the credibility of science in the
