Record Nr. UNINA9910814841803321 **Titolo** Reptile biodiversity [[electronic resource]]: standard methods for inventory and monitoring / / edited by Roy W. McDiarmid ... [et al.] Pubbl/distr/stampa Berkeley,: University of California Press, c2012 **ISBN** 1-280-11660-9 9786613520890 0-520-95207-3 Edizione [1st ed.] Descrizione fisica 1 online resource (425 p.) Altri autori (Persone) McDiarmidRoy W Disciplina 597.9/072 Soggetti Reptile populations - Research - Methodology Reptiles - Conservation Animal diversity conservation 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. 349-389) and index. Nota di contenuto Frontmatter -- CONTENTS -- AUTHORS AND CONTRIBUTORS --FOREWORD -- PREFACE -- 1. Studying Reptile Diversity -- 2. Reptile Diversity and Natural History: An Overview -- 3. Study Design and Sampling -- 4. Dealing with Associated Data -- 5. Finding and Capturing Reptiles -- 6. Voucher Specimens -- 7. Preparing Reptiles as Voucher Specimens -- 8. Dealing with Live Reptiles -- 9. Marking Reptiles -- 10. Determining Age, Sex, and Reproductive Condition --11. Techniques for Reptiles in Difficult-to-Sample Habitats -- 12. Statistical Properties of Techniques and Validation -- 13. Standard Techniques for Inventory and Monitoring -- 14. Parametric Analysis of Reptile Biodiversity Data -- 15. Population Size and Demographics --16. Monitoring Exploited Species -- 17. Reptile Biodiversity: Where Do We Go from Here? -- APPENDIX I. Selected Institutions with Significant Collections of Reptiles -- APPENDIX II. Websites of Interest --LITERATURE CITED -- ADDRESSES O F AUTHORS AND CONTRIBUTORS

Sommario/riassunto

From tiny, burrowing lizards to rainforest canopy-dwellers and giant crocodiles, reptile populations everywhere are changing. Yet government and conservation groups are often forced to make

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important decisions about reptile conservation and management based on inadequate or incomplete data. With contributions from nearly seventy specialists, this volume offers a comprehensive guide to the best methods for carrying out standardized quantitative and qualitative surveys of reptiles, while maximizing comparability of data between sites, across habitats and taxa, and over time. The contributors discuss each method, provide detailed protocols for its implementation, and suggest ways to analyze the data, making this volume an essential resource for monitoring and inventorying reptile abundance, population status, and biodiversity. Reptile Biodiversity covers topics including:• terrestrial, marine, and aquatic reptiles• equipment recommendations and limitations• ethics of monitoring and inventory activities• statistical procedures• designing sampling programs• using PDAs in the field