Record Nr. UNINA9910809735103321 Natural resources management in agriculture: methods for assessing **Titolo** economic and environmental impacts / / edited by B.A. Shiferaw, H.A. Freeman, and S.M. Swinton Wallingford, Oxfordshire, UK; Cambridge, MA, USA, : CABI Pub., Pubbl/distr/stampa **ISBN** 1-280-90829-7 9786610908295 0-85199-068-1 Edizione [1st ed.] 1 online resource (398 p.) Descrizione fisica Altri autori (Persone) ShiferawBekele (Bekele Ambaye) FreemanH. Ade SwintonScott M Disciplina 338.1 Soggetti Agriculture - Environmental aspects Agriculture - Economic aspects Agricultural resources - Management Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Based on papers from a workshop held at the International Crops Research Institute for the Semi-arid Tropics, Dec. 6-7, 2002. Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Preface; Foreword; Contributors; Reviewers; Part I. Introduction; 1 Assessing the Impacts of Natural Resource Management Interventions in Agriculture: Concepts, Issues and Challenges; Part II. Valuation of Ecosystem Services and Biophysical Indicators of NRM Impacts; 2 Valuation Methods and Approaches for Assessing Natural Resource Management Impacts: 3 Measurable Biophysical Indicators for Impact Assessment: Changes in Soil Quality; 4 Measurable Biophysical Indicators for Impact Assessment: Changes in Water Availability and **Quality Introduction** 5 Biophysical Indicators of Agro-ecosystem Services and Methods for Monitoring the Impacts of NRM Technologies at Different ScalesPart III. Methodological Advances for a Comprehensive Impact Assessment; 6 Econometric Methods for Measuring Natural Resource Management

Impacts: Theoretical Issues and Illustrations from Uganda; 7 Assessing

Economic Impacts of Natural Resource Management Using Economic Surplus: 8 Bioeconomic Modelling for Natural Resource Management Impact Assessment: Part IV. NRM Impact Assessment in Practice: 9 Valuing Soil Fertility Change: Selected Methods and CaseStudies 10 Evaluating the Impacts of Watershed Management Projects: A Practical Econometric Approach11 Assessing Economic and Environmental Impacts of NRMTechnologies: An Empirical Application Using the Economic Surplus Approach; 12 Assessing the Economic and Environmental Impacts of Conservation Technologies: A Farm-level BioeconomicModelling Approach; 13 Assessing the Impacts of Natural Resource Management Policy Interventions with a Village General Equilibrium Model; Part V. Towards Improved Approaches for NRM Impact Assessment 14 The Concept of Integrated Natural Resource Management (INRM) and its Implications for Developing Evaluation Methods15 NRM Impact Assessment in the CGIAR: Meeting the Challenge and Implications for CGIAR Centres; 16 Towards ComprehensiveApproaches in Assessing NRMImpacts: What We Know and What We Need to Know; Index

Sommario/riassunto

Discusses the features and methodological difficulties of NRM impact assessment. This book examines the strengths and weaknesses of various impact assessment approaches, including econometric, bioeconomic, and more direct methods. It also assesses and identifies data requirements for developing impact indicators.