1. Record Nr. UNINA9910220101403321

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Titolo	Planning tool to support Louisiana's decisionmaking on coastal protection and restoration [[electronic resource]] : technical description / / David G. Groves, Christopher Sharon, Debra Knopman
Pubbl/distr/stampa	Santa Monica, Calif., : Rand Corporation, 2012
ISBN	0-8330-7728-7 0-8330-7730-9
Descrizione fisica	1 online resource (105 p.)
Collana	Technical report
Altri autori (Persone)	SharonChristopher KnopmanDebra S
Disciplina	333.9170973
Soggetti	Shore protection - Louisiana Coastal zone management - Louisiana Coastal ecology - Louisiana
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. 81-82).
Nota di contenuto	Cover; Title Page; Copyright; Preface; Contents; Figures; Tables; Summary; Acknowledgments; Abbreviations; CHAPTER ONE: Introduction; Planning Objectives; Planning Under Uncertainty; Purpose of the Planning Tool; CHAPTER TWO: Model Description and Assumptions; Predictive Modeling Framework; Formulation of Alternatives; Basis of the Approach in Decision Theory; Objective Function and Developing Alternatives Using Optimization; Risk-Reduction Decision Driver; Land-Building Decision Driver; Objective Function; Metrics and Decision Criteria; Metrics; Decision Criteria; Constraints Financial and Natural Resource Constraints Mutually Exclusive Project and Project Inclusion or Exclusion Constraints; Outcome Constraints; Modeling Projects Under Different Scenarios; Environmental Scenarios; Funding Scenarios; Key Assumptions in the Development of Alternatives; Risk-Reduction Projects Do Not Affect the Landscape or Ecosystem-Service Metrics, and Restoration Projects and Landscape Changes Do Not Affect Storm-Surge Risk; Physical and Biological Effects of Individual Projects Are Additive; Funding Scenarios Are

Known; Funding Is Available for the Entire Implementation Period
Funding Cannot Be Saved for Use in Later Implementation Periods
Projects Begin Planning and Design in the First Year of an Implementation Period; Project Effects Are Offset by Planning, Design, and Construction Time; Projects Must Continually Operate; Handling and Processing of Data Within the Planning Tool; MySQL Database; Analytical Module; General Algebraic Modeling System Optimization Module; Tableau Results Visualizer; CHAPTER THREE: Analytic Procedures; Characterization of Projects; Project Costs and Duration of Implementation; Conflicts Among Projects
Additional Project Attribute Information Modeling Project Effects; Flood Risk-Reduction Effects; Restoration Project Effects; Comparison of Individual Projects; Project Effects on Risk Reduction; Project Effects on Land and Ecosystem-Service Metrics; Project Effects Relative to Other Decision Criteria; Cost-Effectiveness; Formulation of Alternatives; Integrated Evaluation of Alternatives; Evaluation of Selected Alternatives Using Predictive Models Under Uncertainty; Comparisons of the Alternatives; CHAPTER FOUR: Analyses to Develop the Master Plan; Compare Individual Projects
Formulate Alternatives Establish the Funding Target and Funding Split; Define the Near-Term and Long-Term Balance; Assess Performance Under Uncertainty; Develop Alternatives to Meet Master Plan Objectives; Adjust Alternatives Using Expert Judgment; Define the Draft Master Plan; Review Projects and Outcomes for Different Alternatives; Define the Final Master Plan; Revise Project Data; Evaluate Public Comments; Revise the Draft Alternative for the Final Master Plan; Review Master Plan Projects and Outcomes; Post-Master Plan Analysis; CHAPTER FIVE: Conclusions
APPENDIX: Expert-Adjusted Alternatives

Sommario/riassunto

A computer-based decision-support tool, called the Coastal Protection and Restoration Authority (CPRA) Planning Tool, provided technical analysis that supported the development of Louisiana's Comprehensive Master Plan for a Sustainable Coast through CPRA and community-based deliberations. This document seeks to provide an accessible technical description of the Planning Tool and associated analyses used to develop the Master Plan.