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Nota di contenuto	Integrated Environmental Planning; Contents; Preface; 1 The Nature of Planning; Common Themes and Common Problems; The Concept of Planning; The Process of Planning; Problem Definition and Expressing Needs; Adopting a Systems View of Planning; Planning as Decision-Making; Propelling Issues in Planning; Summary; Focusing Questions; 2 Defining the Environmental Approach; The Nature of Environmental Planning; Philosophical Antecedents; Ecology's; Guiding Ecological Principles; The Environmental Planning Process; Integrative Environmental Planning; Building Toward Sustainability; Summary Focusing Questions3 Making Plans; AConceptual View; Plan Formulation; The Role of the Community; Developing Environmental Plans; Plan Implementation; Plan Evaluation; Summary; Focusing Questions; 4 Natural Factors in Environmental Planning; The Relevance of Environmental Information; The Role of Natural Factors in Planning; Assessing the Physical Environment; Geologic Controls; Geomorphic Controls; Topographic Controls; Soil Considerations in Planning; Climatic and Hydrologic Considerations; Biotic and Ecological Considerations; Natural Hazard Considerations; Physical Systems and

Design

Summary Focusing Questions; 5 Landscape Inventory and Analysis; Regional Landscape Inventory and Monitoring; Land Evaluation and Analysis; Methods of Landscape Assessment; Land Capability Analysis; Developmental Suitability Analysis; Extensions Based on Artificial Intelligence; Carrying-Capacity Analysis; Summary; Focusing Questions; 6 Natural Hazard Assessment; Defining Hazards and Risk; A Typology of Hazard; Hazard, Risk, and Uncertainty; Hazard Analysis and Assessment; Planning with Hazards and Risk; Summary; Focusing Questions; 7 Environmental Modeling and Simulation; Models and Modeling

The Simulation Process Prediction and Scenario Projection; Computer Modeling Methods; Summary; Focusing Questions; 8 The Decision Support Perspective; The Role of Information Technology; From Data to Information; Planning and Decision Support; "Decisioning" and Geographic Information Systems; GIS Design for Environmental Decision Support; GIS-guided Planning Support; The Question of Error; Managing GIS Projects; Beyond Conventional GIS; Summary; Focusing Questions; 9 Ethics, Conflict, and Environmental Planning; Ethics and Choices; Toward an Environmental Planning Ethic Contemporary Environmental Thought Linking Thought to Planning Practice; Summary; Focusing Questions; 10 The Impact of Change; Environmental Impact Assessment; The Method of EIA; EIA and NEPA; Impact Identification and Screening Techniques; Impact Forecasting; Growth-inducing Impacts; Cumulative Impact Assessment; Time and the Long Term; The Environmental Performance Assessment; The Continuing Challenge; Summary; Focusing Questions; References; Index

Sommario/riassunto

This up-to-date and comprehensive reference presents the fundamentals of environmental planning, incorporating theory, practice and case studies. The book includes balanced coverage and real world examples to illustrate the concepts. Political, ethical, and societal considerations are all addressed. Presents the fundamentals of environmental planning and methodological material for analysis. Real world examples are provided to illustrate concepts. Political, ethical and societal considerations are addressed. Coverage is balanced between theoretical and p
