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## Sommario/riassunto

"Wetlands store more carbon per unit area than any other ecosystem. This book will synthesize wetland research studies conducted around the world that link environmental management actions to carbon, including carbon storage, regulation of atmospheric carbon fluxes, lateral carbon transport, enhanced carbon sequestration, and improved ecosystem service value related to carbon. Although there is a strong body of literature identifying impacts of management on carbon, the practical implications for improving management are often unavailable. For example, the successes, failures, and practical recommendations for how management actions might be improved to enhance carbon storage or reduce carbon losses are not explicitly identified, or may be lost by the sheer volume of the current literature being produced or speed with which papers are being published. This volume will attempt

to slow down the message and present multiple succinct stories that, together, are more accessible for informing management. Opportunity also exists to translate research findings on the role of environmental variability into stories with relevance to the management of carbon. These studies will also be included. This will be the first book to focus specifically on wetland management and carbon, extending beyond the "blue carbon" realm to include many different and representative wetland types. This book will include introductory chapters that describe the carbon cycle and how wetlands are involved, detail methodological advancements and issues in assessing carbon cycling in managed and natural wetlands, and present chapter-level summaries of how management might influence carbon storage or losses in specific wetlands, and detail why. The book will conclude with policy and synthesis chapters. Uncertainty in our knowledge of wetland carbon remains high and there are many management questions that science still cannot answer. This book will highlight research needs but will not attempt to make recommendations to managers; however, it will present research detailing scenarios and provide a resource for both managers and scientists in developing management ideas or hypotheses for further studies regarding the management, environmental sequestration, and sustainability of wetland-associated carbon."--

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