Librería

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Sinopsis

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Across much of the industrialized world, rivers that were physically transformed and ecologically ruined to facilitate industrial and agricultural development are now the focus of restoration and rehabilitation efforts. River Futures discusses the emergence of this new era of river repair and documents a comprehensive biophysical framework for river science and management.
The book considers what can be done to maximize prospects for improving river health while maintaining or enhancing the provision of ecosystem services over the next fifty to one-hundred years. It provides a holistic overview of considerations that underpin the use of science in river management, emphasizing cross-disciplinary understanding that builds on a landscape template.

The book
frames the development of integrative river science and its application to river rehabilitation programs
develops a coherent set of guiding principles with which to approach integrative river science
considers the application of cross-disciplinary thinking in river rehabilitation experiences from around the world
examines the crossover between science and management, outlining issues that must be addressed to promote healthier river futures
Case studies explore practical applications in different parts of the world, highlighting approaches to the use of integrative river science, measures of success, and steps that could be taken to improve performance in future efforts.

River Futures offers a positive, practical, and constructive focus that directly addresses the major challenge of a new era of river conservation and rehabilitation_that of bringing together the diverse and typically discipline-bound sets of knowledge and practices that are involved in repairing rivers. It is a valuable resource for anyone involved in river restoration and management, including restorationists, scientists, managers, and policymakers, as well as undergraduate and graduate students.

Biographies
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Table Of Contents