



Adaptive Soil Management : From Theory to Practices /

Rakshit, Amitava
Abhilash, Purushothaman Chirakuzhyil
Singh, Harikesh Bahadur
Ghosh, Subhadip

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The book focuses in detail on learning and adapting through partnerships between managers, scientists, and other stakeholders who learn together how to create and maintain sustainable resource systems. As natural areas shrink and fragment, our ability to sustain economic growth and safeguard biological diversity and ecological integrity is increasingly being put to the test. In attempting to meet this unprecedented challenge, adaptive management is becoming a viable alternative for broader application. Adaptive management is an iterative decision-making process which is both operationally and conceptually simple and which incorporates users to acknowledge and account for uncertainty, and sustain an operating environment that promotes its reduction through careful planning, evaluation, and learning until the desired results are achieved. This multifaceted approach requires clearly defined management objectives to guide decisions about what actions to take, and explicit assumptions about expected outcomes to compare against actual outcomes. In this edited book, we address the issue by pursuing a holistic and systematic approach that utilizes natural resources to reap sustainable environmental, economic and social benefits for adaptive management, helping to ensure that relationships between land, water and plants are managed in ways that mimic nature

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Autores: Rakshit, Amitava Abhilash, Purushothaman Chirakuzhyil Singh, Harikesh Bahadur Ghosh, Subhadip

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Baratz Innovación Documental

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- informa@baratz.es