

## Paradigms of Assessment, Valuation and Quantification to Trade Ecosystem Services: A Review Focusing on Mangroves and Wetlands

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**Abstract :** Based on an extensive literature review, this paper presents distinct approaches to value, quantify and trade ecosystem services, with particular emphasis on services provided by mangroves and wetlands. Building on diverse monetary and market-based systems for the improved allocation of natural resources, such trading and exchange-based methods can help tackle the degradation of ecosystem services in a more targeted and structured manner than achievable with stand-alone policy and administrative regulations. Using various threads of literature, the paper proposes a platform that serves as the skeletal foundation for developing an efficient global market for ecosystem services trading. The paper bridges a significant research and practice gap by recommending how to establish an equilibrium in the biosphere via trading mechanisms while also discovering other research gaps and future research potential in the domain of ecosystem valuation.

**Keywords :** environment, economics, mangroves, wetlands, markets, ESG, global capital, climate investments, valuation, ecosystem services

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