Marketing the mangroves: can carbon payments make conservation work?

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Abstract

Payments for ecosystem services (PES) schemes offer a new way to help conserve valuable habitats, including mangroves. Their proponents argue that they can help correct market failures and incentivize sustainable management of public resources. Their critics accuse them of commodifying nature and of allowing appropriation of commonly owned areas by governments or private interests. This paper presents a case study of the early development of a community level mangrove PES scheme at Gazi Bay, Kenya. The scheme, called Mikoko Pamoja, is based on payments for carbon offsetting and is among the first in the world to receive accreditation. The paper looks at the key technical challenges that were considered in establishing Mikoko Pamoja and the areas of ignorance that remain, including sources of uncertainties in the carbon fluxes and risks of leakage and carbon losses over time. It also considers the social and political challenges that were encountered and the prospects for similar schemes both locally and at larger scales (through for example the REDD + process).

Keywords

carbon, payments, REDD, leakage, additionality

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