

Valuing and Managing the Coastal and Wetland Biodiversity

A Brief Bibliographical Survey

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1: IMPORTANCE

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2: VALUATION

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Abstract: *Article 14 of the Biodiversity Convention requires each contracting party to "introduce appropriate procedures requiring environmental impact assessment of its proposed projects that are likely to have significant adverse impacts on biological diversity" and to identify processes and categories of activities that are or are likely to have significant adverse impacts on the conservation and sustainable use of biological diversity. The Convention further identifies in Article 11 the need for incentive measures as a specific mechanism to help guide national level actions and to promote conservation and sustainable use of resources, as expressed in the convention. The underlying causes of biodiversity loss in wetland ecosystems generally stem from habitat*

alterations, introduction of invasive species, over-exploitation or pollution and land conversion. The stress caused by these factors may have cumulative or discrete impacts on habitats resulting in possible biodiversity loss and resource depletion causing social and cultural transformations such as loss of traditional production systems, changes in migration routes and displacement of populations This paper focuses on the use of economic valuation as an incentive for wetland conservation. The environment's services are valuable but these values are a) seldom recognized and quantified and b) are often lost through inappropriate development or used inefficiently. Linkages between use values and ecosystem functions will be stressed in this discussion. The paper emphasizes that appropriate incentives can only be developed once the values derived from these ecosystems are recognized. The role of the public and private sectors in initiating valuation studies is discussed.

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