

ECONOMICS OF CLIMATE CHANGE MITIGATION IN FORESTRY, AGRICULTURE, AND LAND USE CHANGE: AN OVERVIEW

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Efforts to mitigate greenhouse gases (GHGs) in the forest and agriculture sectors require a sustained change in current management and land use practices. These changes have economic consequences for landowners, input suppliers, consumers, and communities affected by the resulting environmental changes. This presentation will identify the key mitigation options in these sectors, their rate of adoption under different economic incentives, the amount of GHG mitigation that can be achieved at national and regional scales and some environmental and economic co-effects that could occur in affected markets and other environmental services. Implementation issues such as permanence of sequestration options and leakage will be explored. The geographic empirical context for most of the work will be the USA, but examples and implications from other regions will be discussed.