

## **DETERMINATION OF GREENHOUSE GASES FROM THE LAND-USE CHANGE AND FORESTRY LAND IN THE STATE OF SINALOA, MEXICO.**

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### **ABSTRACT**

In recent years have highlighted the consequences of changes in occupation and land use in general has suffered around the globe. These changes are the result of a complex process between the human and natural environment. This is a very important phenomenon, especially from the point of view of sustainability, as these changes have been considered as one of the most important components of global change (Plata et al., 2009).

In the same way the process of afforestation and forest degradation as a result of human activities are a major source of emissions of greenhouse gases in Mexico (Masera et al., 1997). However, forests in Mexico have great potential to become "carbon net" carbon by appropriate support policies, and implementation of silvicultural techniques to improve their production. From this perspective, forest management and reforestation of forests are presented as options for short and medium term climate change mitigation (Sheinbaum Masera, 2000).

Based on the foregoing, this paper proposes updating emissions from the sector LCLUC for the period 2000 to 2005 the state of Sinaloa, Mexico, from activity data and national emission factors, reliable and updated to improve certainty and to determine the emissions of greenhouse gases for the sector. This paper examines the inventory update Statewide LCLUC using the gradation level 2 of the IPCC.