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Present and future of climate change in latin america (LATAM) and Colombia, analytical perspectives from developing countries

Abstract: Climate change has had social, environmental and economic impacts worldwide. Under this context, this article presents the main effects and forms of management of climate change in some Latin American countries and in Colombia. Thus, through a literary review applying a search equation in the SCOPUS database and applying the PRISMA method, 65 articles were analyzed, where it was analyzed that countries like Colombia have presented progress in the implementation of policies towards the implementation for example, sustainable cattle farming with an economic, social and environmental scope. Likewise, it is highlighted that in countries such as Peru and Argentina, the efficiency of Carbon capture by tree species in some forested regions has been investigated, thus contributing to the Nationally Determined Contributions (NDC). Likewise, the case of Mexico stands out where the concentrations of Carbon capture by freshwater wetlands have been studied, which are higher than those analyzed in Mangroves and flooded palm soils. From this situation, at the Latin American level, state governments are establishing policies to confront climate change, as is the case of Brazil with its fight against deforestation, Chile with the implementation of its Energy Policy 2050 and Colombia with the adoption of livestock farming. sustainable, among other strategies, which reflects the efforts of developing countries to counteract the effects of global warming.

Keywords: Climate change, Carbon Sequestration, Sustainability, Greenhouse Gaseswriting, Environmental Policy, LATAM