

Julaporn Khamthawee 2009: Factors Affecting Pig Farmers' Participation in Sustainable Development under the Clean Development Mechanism on Livestock Sector in Thailand, Chachoengsao Province. Master of Economics, Major Field: Economics, Department of Economics. Thesis Advisor: Associate Professor Jerapan Jirananda, M.A. 193 pages.

This thesis aims to examine pig farmers' characteristics and correlation between social, economic and natural resource factors and farmers' desire to participate in sustainable development under the Clean Development Mechanism (CDM), as well as to investigate problems and impediments to pig farmers' participation. Questionnaires and interviews with the pig farmers and agents in related organizations are conducted to collect the data. Sample size consists of 24 pig farmers who participated in a seminar series on Livestock Waste Management in East Asia project, Chachoengsao Province. The SPSS statistical package is employed to analyze the data using Chi-Square and Cramer's V statistics.

The research finds that the four key factors influencing pig farmers' participation in sustainable development under the CDM are: (1) number of years residing in the area, (2) total annual household income (3) magnitude of information obtained and (4) knowledge about sustainable development under the Clean Development Mechanism on livestock. All of the above key factors are statistically significant at the 0.05 level. Most pig farmers have a primary school education background and the degree to which the information is assimilated is low. Therefore, in order to increase pig farmers' participation in sustainable development under the CDM, more public relations through various media is needed to promote the corrects and up to date information, knowledge, and understanding. Moreover, the study also finds that the problems and obstacles of farmers in participating in the project are: the lack of funding and that the project is only suitable for larger farming operation in order to receive the suitable returns on investments. Hence, the relevant agencies should find ways to assist small operation farmers to participate in sustainable development such as establishing a farm cooperative to purchase pig manure.

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Thesis Advisor's signature

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