

## **Making a Village Input-Output Table (VIOT) from Household Survey A case study of Phonxay Village of Ngoi District, Luang Prabang Province, Lao PDR.**

Topic: (5.2) Input-output analysis for policy making (2)

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"Making a Village Input-Output Table from Household Survey - A case study of a rural village in Lao PDR"

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### Abstract

This paper shows a main result of the first trial of making a Village Input-Output Table (VIOT) utilizing the 2015 Household Survey data conducted in a rural poor village of Ngoi district, Luang Prabang Province, and Lao PDR and it also presents main results of the analysis. The main purpose of this research is to examine and capture the inter-dependency between households and their economic activities. The outline of VIOT is based on the classification of the sectors by household economic activities in a matrix of 1240 x 1240 dimensions. This VIOT represents the relationships of purchases and sales of 10 products between all households in the village. It can be an appropriate tool to grip socio-economic transaction among key sectors in isolated village or disadvantageous areas in developing country. The result of VIOT shows the minimum inter-dependency among households with a total output multiplier of 1.767, indicating most households are depending on outside sources for the production and livelihood. However, the backward linkage analysis has revealed that poor households tend to buy more products from other non-poor households, while forward linkage analysis shows that, non-poor households, especially the last 4 rich households, tend to sell more products to poor households. This study would be, so far, the first trial of making a village Input-Output table based on micro-household survey data of isolated area in developing country.

Keywords: Village Input-Output Table; Poverty Measurement, Backward and Forward linkage analysis.

JEL: D57; R15; I32; O13.