

Fig. 1 Schematic diagram of the multi-commodity solar tunnel dryer

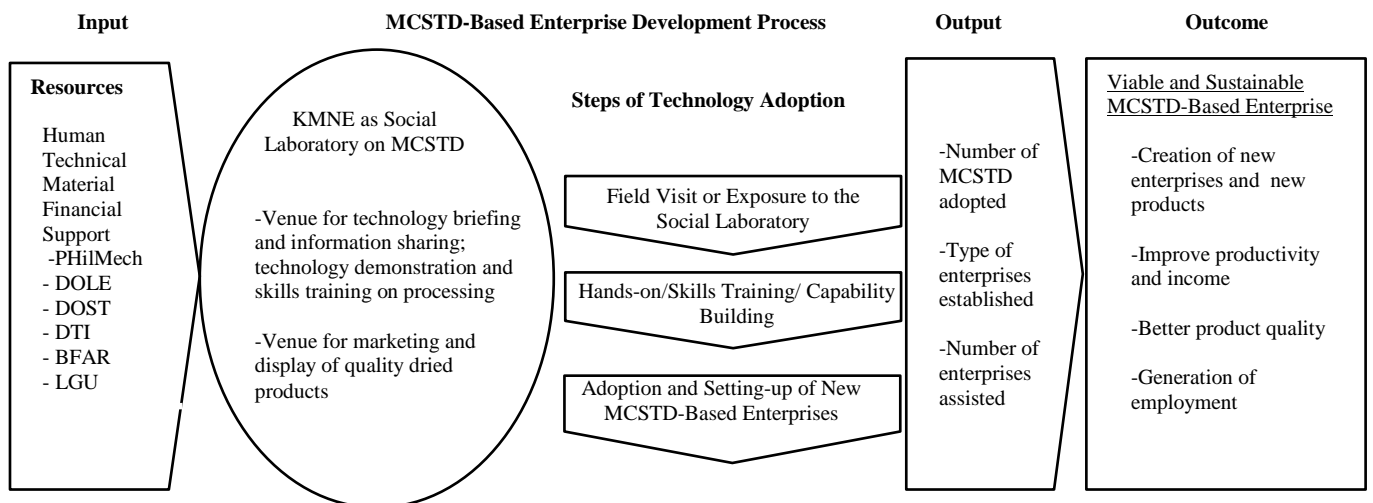


Fig. 2 The conceptual framework of the project showing the process of establishing new MCSTD-Based Enterprises

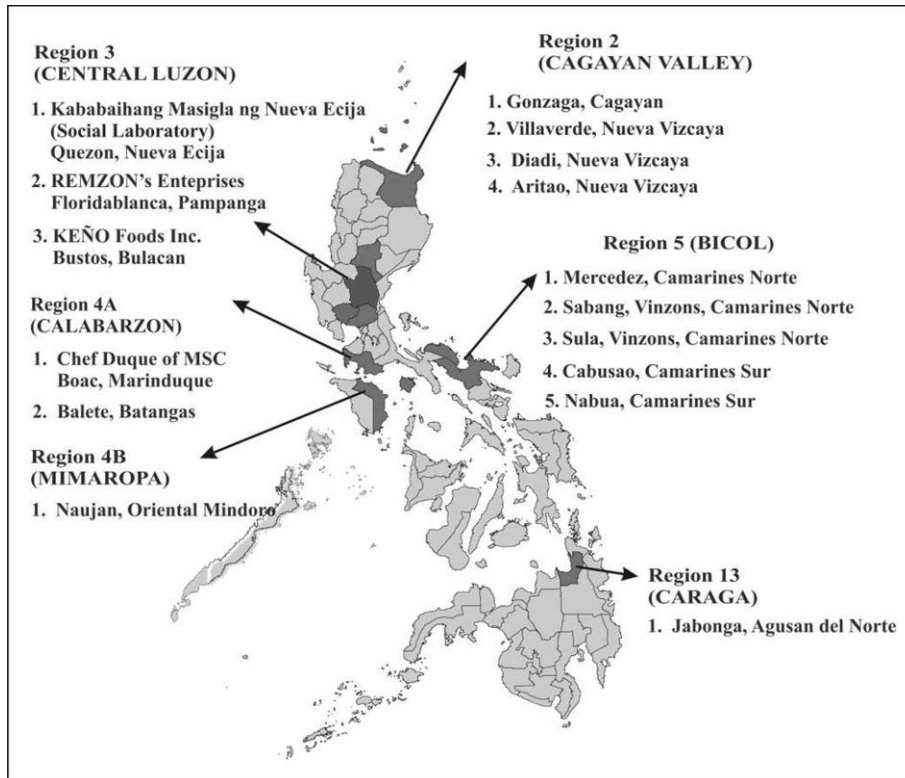


Fig. 3 Location of newly established MCSTD rural-based enterprises (2010-2012)

Table 1
Results of drying of the different commodities and corresponding yield

Commodity	Finished product	Yield	Drying duration/ day (8 hour operation)	
			Without MCSTD	With MCSTD
Basil	Holy basil tea	10%	5-7	1- 1.5
	Dried basil			
Tomato	Dried tomato in olive oil	5%	7	3-4
Chili	Chili sauce	10%	7	3-4
Guyabano Leave	Guyabano Tea	30%	5-7	3-5
Tilapia	Dried tilapia	15%	3-4	1.5-2
Breadfruit	Dried chips	32.04	1	6.6 hours
	Flour	25.08%		

Table 2
Summary of financial analysis of the three MCSTD rural-based enterprises.

Name of enterprise	Investment (Php)	Net income (Php)	Payback period (years)	Internal rate of return (%)	Net present value (Php)	Benefit-cost ratio
Keno Foods Inc.	7,755.000.00	1,185,171.50	5.19	16.90	1,098,462.34	1.14
Chef Duque of MSC	216,637.00	43,445.17	3.49	27.29	145,728.88	1.16
Remzon Enterprises	702,654.00	214,373.22	2.72	35.96	842,306.32	2.19