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Human Capital, Innovation and Entrepreneurship in Micro and Small Businesses in Laos

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Innovation in Developing Countries

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Abstract

Along with the adoption of an open-door policy , the Government of Laos has recognised its role and supported the development of the private sector. Small- and medium-sized enterprises (SMEs) constitute the core of the private sector, which has achieved rapid growth in the last three decades and noticeable contribution to job creation. This chapter attempts to address the relationship between entrepreneurial human capital , and successful entrepreneurship and innovation in Laos. The analysis is based on primary data from a questionnaire

survey of manufacturing SMEs in Vientiane in 2016. The results indicate that owner education at the university and higher levels increases the probability of innovation and that a combination of augmented human capital and innovation tend to enhance successful entrepreneurship. The findings shed more light on the importance of human capital, and innovation and entrepreneurship promotion in economic development. It gives rise to the quality and appropriateness of education and training for entrepreneurs, if the target of the government policy is to foster successful innovation and entrepreneurship and to promote SME development as part of socio-economic development.

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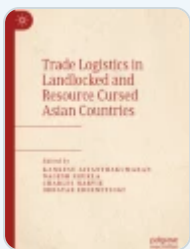
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Notes

1. GIZ is the German abbreviation for the Gesellschaft für Internationale Zusammenarbeit (German International Cooperation Agency).
2. Deutsche Gesellschaft fuer Technische Zusammenarbeit (GTZ) is the former name of GIZ, the German Technical Cooperation Agency.
3. LAK (Lao Kip) is the unit of the local currency of Laos. The official exchange rate to the US dollar for 2016 is 8129 LAK = 1.00 USD (ADB [2017](#)).
4. Some of the figures reported in this section are extracted from the Economic Census 2013, while the figures in Table [5.1](#) are summarised for five-year periods from a different source. Hence, there exist some discrepancies in the information.
5. In the 2013 census, enterprises are classified by employees into six categories: 0-4 employees, 5-9 employees, 10-19 employees, 20-99 employees, 100-999 employees and more than 1000 employees. Micro and small enterprises are considered to have 0-9 employees and medium-sized enterprises 10-99 employees.
6. Detailed descriptions and definitions of variables are presented in Table [5.4](#).
7. In the Lao context of SMEs, innovation is often considered comparable to imitation of existing products or services, or adaptation and modification of

existing products or services. Creation of new innovative products or services, which have not been introduced anywhere in the world would be rare—if not impossible—among SMEs in a poor country like Laos.

8. The full correlation matrix is not presented owing to space limitations. However, it is available upon request from the authors.

References

Acs, Z. J., Desai, S., & Hessels, J. (2008). Entrepreneurship, economic development and institutions. *Small Business Economics*, 31(3), 219–234.

[Article](#) [Google Scholar](#)

ADB. (2017). *Key indicators for Asia and the Pacific 2017 (Asian Development Bank)*. Accessed March 28, 2018. Available from: <https://www.adb.org/publications/key-indicators-asia-and-pacific-2017>.

Asasen, C., Asasen, N., & Chuangcham, N. (2003). A proposed ASEAN policy blueprint for SME development 2004–2014. REPSF Project 02/005, 145 pages. Available from: <https://pdfs.semanticscholar.org/1fa9/99afc6850facc571d33cbb1fa6e7d8c73fd8.pdf>. Accessed March 28, 2018.

Asuyama, Y., Chhun, D., Fukunishi, T., Neou, S., & Yamagata, T. (2013). Firm dynamics in the Cambodian garment industry: Firm turnover, productivity growth and wage profile under trade liberalization. *Journal of the Asia Pacific Economy*, 18(1), 51–70.

[Article](#) [Google Scholar](#)

Becheikh, N., Landry, R., & Amara, N. (2006). Lessons from innovation empirical

studies in the manufacturing sector: A systematic review of the literature from 1993–2003. *Technovation*, 26(3), 644–664.

[Article](#) [Google Scholar](#)

Bhattacharya, M., & Bloch, H. (2004). Determinants of innovation. *Small Business Economics*, 22(2), 155–162.

[Article](#) [Google Scholar](#)

Bosma, N. S., van Praag, C. M., Thurik, A. R., & de Wit, G. (2004). The value of human and social capital investments for the business performance of startups. *Small Business Economics*, 23(3), 227–236.

[Article](#) [Google Scholar](#)

Covin, J. G., & Slevin, D. P. (1991). A conceptual model of entrepreneurship as firm behavior. *Entrepreneurship Theory and Practice*, 16(1), 7–25.

[Article](#) [Google Scholar](#)

Davis, S. J., Haltiwanger, J., & Schuh, S. (1993). *Small business and job creation: Dissecting the myth and reassessing the facts*. Working Paper No. 4492, National Bureau of Economic Research, National Bureau of Economic Research, October 1993. Available from: <http://www.nber.org/papers/w4492>. Accessed April 3, 2018.

Dollar, D., Hallward-Driemeier, M., & Mengistae, T. (2005). Investment climate and firm performance in developing economies. *Economic Development and Cultural Change*, 54(1), 1–31.

[Article](#) [Google Scholar](#)

Drucker, P. F. (1985). *Innovation and entrepreneurship: Practice and principles*. New York: Harper.

[Google Scholar](#)

ERIA SME-RWG. (2014). *ASEAN SME policy index 2014*. Economic Research Institute for ASEAN and East Asia (ERIA), SME Research Working Group, Jakarta. Available from: <https://www.oecd.org/southeast-asia/ASEAN%20SME%20Policy%20Index%202014.pdf>. Accessed March 29, 2018.

Fabrizio, K. P., & Thomas, L. G. (2012). The impact of local demand on innovation in a global industry. *Strategic Management Journal*, 33(1), 42-64.

[Article](#) [Google Scholar](#)

GIZ. (2012). *Enterprise survey 2011: Main report (Deutsche Gesellschaft fuer Internationale Zusammenarbeit)*. Lao-German Programme on Human Resource Development for a Market Economy (HRDME), Vientiane.

[Google Scholar](#)

Garriga, H., von Krogh, G., & Spaeth, S. (2013). How constraints and knowledge impact open innovation. *Strategic Management Journal*, 34(9), 1134-1144.

[Article](#) [Google Scholar](#)

Gollin, D. (2008). Nobody's business but my own: Self-employment and small enterprise in economic development. *Journal of Monetary Economics*, 55(2), 219-233.

[Article](#) [Google Scholar](#)

GOL. (2004). *Prime Minister's Decree No. 42/PM (Government of Lao PDR)*. Vientiane: Government of Lao PDR.

[Google Scholar](#)

GOL. (2017). *Government Decree No. 25/GOL on the classification of small and*

medium enterprises (Government of Lao PDR). Vientiane: Government of Lao PDR.

[Google Scholar](#)

Gries, T., & Naude, W. (2011). Entrepreneurship and human development: A capability approach. *Journal of Public Economics*, 95(3-4), 216-224.

[Article](#) [Google Scholar](#)

Hallberg, K. (2000). *A market-oriented strategy for small and medium enterprises*. Discussion Paper No. IFD40, International Finance Corporation, April 2000. Available from: http://siteresources.worldbank.org/INTEXPCOMNET/Resources/Hallberg_2000.pdf. Accessed April 3, 2018.

Harvie, C. (2015). *SMEs, trade and development in South-east Asia*. Working Paper No. WP-01-2015.E. Faculty of Business. University of Wollongong. Available from: <http://ro.uow.edu.au/cgi/viewcontent.cgi?article=1796&context=buspapers> [Accessed 20 April 2018].

Ho, T. M. A, & Pham, D. L. (2014). Innovation and productivity of Vietnamese small and medium enterprises: Firm level panel data evidence. In *Proceedings of the 7th Vietnam Economist Annual Meeting, University of Economics, Ho Chi Minh City, June 24, 2014*. Available from: http://www.doanbrother.com/papers2014/64_Pham%20Dinh%20Long_paper%20submitted%20for%20VEAM%202014.pdf. Accessed April 10, 2018.

Klingebiel, R., & Rammer, C. (2014). Resource allocation strategy for innovation portfolio management. *Strategic Management Journal*, 35(2), 246-268.

[Article](#) [Google Scholar](#)

Kyophilavong, P. (2007). SME development in Lao PDR. In H. Lim (ed.): *ERIA Research Project Report 2007-No.5: ASEAN SMEs and globalization* (ed. Lim H), Economic Research Institute for ASEAN and East Asia, Jakarta. Available from: <http://www.eria.org/RPR-2007-5.pdf>. Accessed March 29, 2018.

Laursen, K., & Salter, A. (2006). Open for innovation: The role of openness in explaining innovation performance among UK manufacturing firms. *Strategic Management Journal*, 27(2), 131-150.

[Article](#) [Google Scholar](#)

Mincer, J. (1974). *Schooling, experience, and earnings*. New York: National Bureau of Economic Research.

[Google Scholar](#)

Mottaleb, K. A., & Sonobe, T. (2011). An inquiry into the rapid growth of the garment industry in Bangladesh. *Economic Development and Cultural Change*, 60(1), 67-89.

[Article](#) [Google Scholar](#)

Naude, W. (2010). Entrepreneurship, developing countries, and development economics: New approaches and insights. *Small Business Economics*, 34(1), 1-12.

[Article](#) [Google Scholar](#)

Naude, W. (2013). *Entrepreneurship and economic development: Theory, evidence and policy*. Institute for the Study of Labor Discussion Paper No. 7507. Bonn: Forschungsintitut zur Zukunft der Arbeit (IZA). Available from: <http://ftp.iza.org/dp7507.pdf>. Accessed April 10, 2018.

[Google Scholar](#)

Naude, W. (2014). Entrepreneurship and economic development. In B. Currie-

Alder, R. Kanbur, D. M. Malone, & R. Medhora (Eds.), *International development: Ideas, experience, and prospects*. Oxford: Oxford University Press.

[Google Scholar](#)

OECD/Eurostat. (2005). *Oslo manual—Guidelines for collecting and interpreting innovation data* (3rd ed.). Paris: Organisation for Economic Co-operation and Development.

[Google Scholar](#)

Ohno, K. (2013). *Learning to industrialize: From given growth to policy-added value creation*. London: Routledge-GRIPS Development Forum Studies.

[Book](#) [Google Scholar](#)

Onphanhdala, P., & Suruga, T. (2010). Entrepreneurial human capital and micro and small businesses in Lao PDR. *The Developing Economies*, 48(2), 181–202.

[Article](#) [Google Scholar](#)

Parker, S. C., & Van Praag, C. M. (2006). Schooling, capital constraints, and entrepreneurial performance: The endogenous triangle. *Journal of Business and Economic Statistics*, 24(4), 416–431.

[Article](#) [Google Scholar](#)

Pennings, J. M., Lee, K., & van Witteloostuijn, A. (1998). Human capital, social capital, and firm dissolution. *Academy of Management Journal*, 41(4), 425–440.

[Google Scholar](#)

Pham, T. T. T., & Matsunaga, N. (This Volume, Chapter 2). Product and process innovation of micro, small and medium manufacturing enterprises in Vietnam (pp. 23–51).

Pickles, A. R., & O'Farrell, P. N. (1987). An analysis of entrepreneurial behavior from male work histories. *Regional Studies*, 21(5), 425-444.

[Article](#) [Google Scholar](#)

Radas, S., & Božić, L. (2009). The antecedents of SME innovativeness in an emerging transition economy. *Technovation*, 29(6-7), 438-450.

[Article](#) [Google Scholar](#)

Rooks, G., Szimai, A., & Sserwanga, A. (2011). Human and social capital in entrepreneurship in developing countries. In W. Naude (Ed.), *Entrepreneurship and economic development*. Hampshire: Palgrave Macmillan.

[Google Scholar](#)

Sahut, J. M., & Peris-Ortiz, M. (2014). Small business, innovation, and entrepreneurship. *Small Business Economics*, 42(4), 663-668.

[Article](#) [Google Scholar](#)

Santarelli, E., & Tran, H. T. (2013). The interplay of human and social capital in shaping entrepreneurial performance: The case of Vietnam. *Small Business Economics*, 40(1), 435-458.

[Article](#) [Google Scholar](#)

Schumpeter, J. A. (1934). *The theory of economic development*. Cambridge, MA: Harvard University Press (reprinted 1980, London: Oxford University Press).

[Google Scholar](#)

Shane, S. A., & Venkataraman, S. (2000). The promise of entrepreneurship as a

field of research. *Academy of Management Review*, 25(1), 217-226.

[Google Scholar](#)

Souksavath, S., Kyophilavong, P., & Phoyduangsy, S. (2012). Government policy and SMEs development in Laos. In *Proceedings of the 9th SMEs in a Global Economy Conference 2012 'Rising to the Challenge: Entrepreneurship and SMEs development in Asia'* (pp. 8-11, November). Vientiane: National University of Laos.

[Google Scholar](#)

Southiseng, N., Ty, M., Walsh, J., & Anurit, P. (2008). Development of excellent entrepreneurs in small and medium enterprises in Laos and Cambodia. *GMSARN International Journal*, 2(4), 147-156. Available from:

<http://gmsarnjournal.com/home/wp-content/uploads/2015/08/vol2no4-3.pdf>.

Accessed April 3, 2018.

Terziovski, M. (2010). Innovation practice and its performance implications in small and medium enterprises (SMEs) in the manufacturing sector: A resource-based view. *Strategic Management Journal*, 31(8), 892-902.

[Google Scholar](#)

Uchikawa, S. A., & Keola, S. (2008). Small and medium enterprises in Cambodia, Laos, and Vietnam. In: *ERIA Research Project Report 2008-No. 5: Research on development strategies for CLMV countries*, Economic Research Institute for ASEAN and East Asia, Jakarta, pp. 237-273. Available from:

http://www.eria.org/pdf/research/y2008/no5/chapter_10Uchikawa_and_Keola.pdf.

Accessed March 29, 2011.

Van Praag, C. M. (1999). Some classic views on entrepreneurship. *De Economist*, 147(3), 311-335.

[Article](#) [Google Scholar](#)

Van Praag, C. M., & Cramer, J. S. (2001). The roots of entrepreneurship and labor demand: Individual ability and low risk aversion. *Economica*, 68(269), 45-62.

[Article](#) [Google Scholar](#)

Van Praag, C. M., & van Stel, A. (2013). The more business owners, the merrier? The role of tertiary education. *Small Business Economics*, 41(2), 335-357.

[Article](#) [Google Scholar](#)

Van Praag, C. M., van Witteloostuijn, A., & van der Sluis, J. (2013). The higher returns to formal education for entrepreneurs versus employees. *Small Business Economics*, 40(2), 375-396.

[Article](#) [Google Scholar](#)

Vixathep, S. (2013). Entrepreneurial human capital in micro and small enterprises in Vietnam. *Journal of Economics and Business Administration*, 208(3), 119-136.

[Google Scholar](#)

Vixathep, S. (2017). Entrepreneurship, human and social capital, and government policy in small and medium enterprise development in Laos. *Japan Social Innovation Journal*, 7(1), 33-50. Available from:

https://www.jstage.jst.go.jp/article/jsij/7/1/7_33/_pdf/-char/en. Accessed December 25, 2018.

Vixathep, S., & Matsunaga N. (2015). Does human and social capital enhance entrepreneurship? A case study of the garment industry in Bangladesh.

International Journal of Economic Policy Studies, 10, pp. 28-50. Available from: http://en.jepa.jp/wp-content/uploads/2016/05/Vixathep_Matsunaga.pdf. Accessed March 29, 2018.

Vixathep, S., Matsunaga, N., & Luong, K. V. (2017). *Human capital, innovation, and productivity in Vietnam's SMEs—Evidence from the manufacturing industry*. Discussion Paper No. 96, University of Hyogo, Institute for Policy Analysis and Social Innovation, February.

[Google Scholar](#)

Vu, H. N. (2014). The role of human and social capital in the development of manufacturing SMEs in Vietnam. *Journal of Economics and Development*, 16(1), 5-22.

[Google Scholar](#)

World Bank. (2017). *World development indicators 2017*. Available from <http://data.worldbank.org/>. Accessed March 28, 2018.

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