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# **PAPER SERIES**

# Commemorative papers on the work of John H. Dunning

The papers appearing in this series are published for commemorating the life and work of the late Professor John H. Dunning. They are based on presentations given at a Fellows' plenary in Valencia, Spain at the annual meeting of the European International Business Academy (EIBA) in December 2009, but they have been substantially revised for publication here.

# Locational determinants of outward foreign direct Investment: an analysis of Chinese and Indian greenfield investments

## Filip De Beule and Daniel Van Den Bulcke\*

Few scholars have contributed more to our understanding of the locational factors that influence the choices made by TNCs than John Dunning. According to him, the astonishing growth of the Chinese economy and the opening up of India to the demands of the global market place "are reconfiguring the spatial landscape of economic activity". The present study examines the importance of country-level factors on the investment location choice of Chinese and Indian transnational corporations (TNCs). Instead of using macro-economic FDI flows or stocks -- as most other studies have done -- this study will analyse greenfield investment data of Chinese and Indian firms across the globe. While most former studies have used FDI data to measure the aggregate value-adding activity of transnational affiliates in host countries, recent research has shown that the use of FDI data is a biased measure of such investment activity. This research attempts to overcome those shortcomings by analysing FDI at the firm level.

## 1. Introduction

In John Dunning's posthumously published book, *New Challenges for International Business Research: Back to the Future,* more particularly at the beginning of a chapter about the changing locational determinants of the activities of transnational corporations (TNCs), he wrote: "The last two decades have witnessed a number of dramatic changes in the location of international business (IB) activity and of our understanding of its determinants. Globalization, technological advances, the emergence of several new players on the world economic stage, and a new focus on the role of institutions and belief systems in the resource allocation process have been the main triggers for change" (Dunning, 2010: 93). Few scholars have contributed more to our understanding of the locational factors that influence the choices made by TNCs, while at the same time urging his colleagues to focus on the spatial dimensions and drivers of competitiveness both for

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companies and countries. According to John Dunning, the astonishing growth of the Chinese economy and the opening up of India to the demands of the global market place "are reconfiguring the spatial landscape of economic activity". In his retrospective thoughts on the occasion of the 2008 Decade Award of the Journal of International Business Studies, John Dunning listed "the emergence of so-called third-world TNCs – particularly those from Asia – as significant outward investors" (Dunning, 2009: 23) as one of the six far-reaching changes in the global economy that occurred since the 1990s. After a setback in the early 2000s, this movement regained strength – this time fuelled by the actions of Chinese and Indian firms.

Although most TNCs come from advanced countries, TNCs from emerging countries have made remarkable progress on the international investment scene in the last decade. Outward FDI from developing and emerging economies reached \$328 billion in 2010, while six developing economies – including China and India – ranked among the top 20 investors (UNCTAD, 2011). In terms of destination, detailed data shows that sixty percent of the outward FDI flows from developing countries went into other developing countries, mostly in the form of greenfield investments (World Bank, 2011). UNCTAD's World Investment Prospects Survey 2011–2013 (WIPS) confirmed that developing economies are becoming important investors, and that this trend is likely to continue in the near future (UNCTAD, 2011).

Although some (Rugman and Li, 2007) have questioned that TNCs from emerging economies possess (sufficient) ownership advantages to expand successfully abroad, it seems that more and more firms from these emerging markets have gradually accumulated sufficient technological and other capabilities – also known as firm-specific advantages – to do so (van Agtmace, 2007; Wells, 1983). As a

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