The current issue and full text archive of this journal is available on Emerald Insight at: https://www.emerald.com/insight/0888-045X.htm

Intellectual capital, sustainable economic and financial performance and value creation in emerging markets: the case of Brazil

Intellectual capital

1

Received 23 November 2021 Revised 22 January 2022 Accepted 26 January 2022

Ricardo Vinícius Dias Jordão

Graduate Program in Business Administration at FPL, Pedro Leopoldo, Brazil; The Center for Advanced Studies in Management and Economics, Évora, Portugal and Swiss Management Center, Zug, Switzerland

Vander Ribeiro de Almeida Master in Business Adminstration, Fundação Pedro Leopoldo, Pedro Leopoldo (MG), Brazil, and

Jorge Novas

Department of Management, Center for Advanced Studies in Management and Economics (CEFAGE), University of Évora, Évora, Portugal

Abstract

Purpose – The purpose of this paper is to analyze the influence of intellectual capital (IC) on sustainable economic and financial performance (EFP) and value creation (VC) in Brazilian companies.

Design/methodology/approach — Based on finance and accounting theories, a quantitative and descriptive long-term study was carried out in the companies listed on the Brazil Stock Exchange and Overthe-Counter Market (B3), covering 20 years period.

Findings – The results indicate that IC positively influences profitability, corporate return and organizational value sustainably; the most intangible-intensive Brazilian companies listed on B3 presented more robust results than the least intangible-intensive; and IC contributes to a systematic increase in EFP and VC over time

Research limitations/implications – Using a well-established metric, the IC-INDEX, the IC and its effects were measured, obtaining theoretical contributions (expanding the understanding of the IC influence in sustainable EFP and VC from a long-term perspective – one subject still unexplored in the literature); and

The authors are pleased to thank the anonymous reviewers for their comments and suggestions that helped to improve the quality of the manuscript and the editors at Emerald - who have ensured that all editorial process and peer review has been done anonymously and independently of the authors, given that a one of them is the Journal's Editor-in-Chief.

*Declaration of conflicting interests: The author(s) declared no potential conflicts of interest with

Declaration of conflicting interests: The author(s) declared no potential conflicts of interest with respect to the research, authorship, and/or publication of this article.

Funding: The authors are pleased to acknowledge financial support from the Funds of the FCT – Portuguese Foundation for Science and Technology, within the project "UIDB/04007/2020."

Availability of data and materials: All financial data sets concerning financial statements used and/or analyzed during the current study are public and available from the B3 site.



The Bottom Line
Vol. 35 No. 1, 2022
pp. 1-22
© Emerald Publishing Limited
0888-045X
DOI 10.1108/BL-11-2021-0103

empirical (increasing the understanding of the IC's role as a driver of competitiveness, performance and organizational value).

Practical implications – This study increases the understanding of the theoretical and practical effects of IC, also providing a competitive benchmarking process to access sustainable EFP and VC of companies and their industries.

Originality/value — The originally applied and validated proposal extends existing theory by offering a set of indicators to scale the contribution of IC to competitiveness from the perspective of long-term (historical) corporate outcomes.

Keywords Sustainability, Intellectual capital, Brazil, Emerging markets, Value creation, Economic and financial performance

Paper type Research paper

Introduction

In the knowledge-based economy, issues involving intellectual capital (IC) have been gaining prominence in the academic, legal and business communities because IC is increasingly recognized as the main element for improving competitiveness, innovation and value creation (VC) for organizations (Xu and Liu, 2020; Jordão and Novas, 2017). The international literature (Xu and Liu, 2020; Nadeem *et al.*, 2019; Dumay, 2009) clarifies that the study of IC and its measurement represents one of the most challenging and complex areas of finance, accounting, law and economics, whether in theoretical or practical terms.

According to Jordão and Almeida (2017), the challenge of understanding the extent to which IC influences sustainable (long-term) economic and financial performance (EFP) – in terms of profitability and corporate return – and VC is yet to be examined, especially in complex emerging economies such as Brazil.

Recognizing and exploring this research gap, this paper analyzes the influence of IC on sustainable EFP and VC in Brazilian companies, through a study that was carried out in the companies listed on the Brazil Stock Exchange and Over-the-Counter Market (B3, former BM&FBovespa), covering 20 years.

The research justification is given to the extent that its results contribute to a substantial segment of society, as advocated by Jordão *et al.* (2014). In this sense, the research contribution is threefold. First, the contemporary managerial, economic, political and social relevance of the theme is highlighted by Li *et al.* (2021), Xu and Liu (2020); Lee and Wong (2019), Nadeem *et al.* (2019); and Pedro *et al.* (2018), who noted the vital importance of measuring IC as a means of promoting the competitiveness, innovation, sustainability, wealth and performance of organizations. A recent study by Ocean Tomo (2021), for example, has confirmed that intangible assets accounted for 17% of the market value of the S&P500 in 1975, rising to 68% in 1995, 84% in 2015 and reaching more than 90% in 2020. In this sense, research on the subject becomes paramount. Second, this research offers impactful theoretical contributions, reducing the aforementioned gap and broadening the understanding of the theme from a long-term (historical) perspective – an unexplored issue in the literature. Additionally, the proposal originally applied and validated expands on the existing theory, offering a set of indicators for dimensioning the IC's contribution in long-term corporate results.

Third, significant implications for management practice are also highlighted, elucidating the role of IC as an element of business differentiation from the perspective of the firm's performance, competitive strategy and value, providing a competitive benchmarking process for a wide range of stakeholders interested in assessing EFP from a long-term holistic perspective, also offering contributions to the theories of shareholders and