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## Intellectual capital in mergers and acquisitions: a case study in a world-class financial institution

*Capital intelectual em fusões & aquisições: um estudo de caso em uma instituição financeira de classe mundial*

*Capital intelectual en fusiones y adquisiciones: un estudio de caso en una institución financiera de clase mundial*

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### Abstract

The objective of the research described in this paper was to analyse the implications of the merger between Itaú and Unibanco banks on the Intellectual Capital (IC) of the Itaú Unibanco S/A Bank. The methodology comprised a qualitative and quantitative case study, in a descriptive approach, based on interviews (formal and informal) and questionnaires applied to 225 top managers (directors, superintendents, regional managers and commercial general managers) originated from these two banks. The research was complemented with direct observation and documental analysis. The following results were found after the merger: (i) improvements were noted in all analysed indicators on the constituent elements of the IC (human capital, structural capital and relational capital), (ii) Itaú Unibanco S/A Bank created, developed and acquired knowledge and know-how, and (iii) these factors influenced corporative IC, supporting improvements in processes, systems, technology, brands, products and mainly in people, corporate image and the relationship of the company with the market, promoting significant financial results.

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**Keywords:** Strategy; Mergers and acquisitions; Knowledge management; Intellectual capital; Value generation

### Resumo

O objetivo da pesquisa descrita neste artigo foi analisar as implicações da fusão entre os bancos Itaú e Unibanco no capital intelectual (CI) do Banco Itaú Unibanco S/A. A metodologia utilizada foi um estudo de caso qualitativo e quantitativo, em uma abordagem descritiva, baseada em entrevistas (formais e informais) e questionários aplicados a 225 gestores de alto nível (diretores, superintendentes, gerentes regionais e gerentes gerais comerciais) oriundos desses dois bancos, sendo enriquecida com observação direta e análise documental. Os resultados indicaram que após a fusão: (i) melhorias foram observadas em todos os indicadores analisados quanto aos elementos constitutivos do CI (capital humano, capital estrutural e capital relacional); (ii) o Banco Itaú Unibanco S/A criou, desenvolveu e adquiriu conhecimentos e *know-how*; e (iii) que esses fatores

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37 influenciaram o CI do banco, promovendo melhorias em processos, sistemas, tecnologia, marcas, produtos e, principalmente, em pessoas, imagem  
38 corporativa e relacionamentos da empresa com o mercado, ajudando-o a alcançar significativos resultados financeiros.

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40 *Palavras-chave:* Estratégias corporativas; Fusões e aquisições; Capital intelectual; Gestão do conhecimento; Geração de valour

## 41 Resumen

42 El objetivo en este estudio es analizar las implicaciones de la fusión entre los bancos Itaú y Unibanco en el capital intelectual (CI) del Banco  
43 Itaú Unibanco S/A. Se utiliza la metodología de estudio cualitativo y cuantitativo, en un enfoque descriptivo, con base en entrevistas (formales  
44 e informales) y cuestionarios realizados a 225 ejecutivos de alto nivel (directores, superintendentes, gerentes regionales y gerentes generales  
45 comerciales) procedentes de estos dos bancos. Además, la observación directa y el análisis de documentos enriquecen el estudio. Los resultados  
46 indican que después de la fusión: (i) se observa mejora en todos los indicadores analizados en cuanto a los elementos constitutivos del CI (capital  
47 humano, capital estructural y capital relacional); (ii) el banco Itaú Unibanco S/A ha logrado crear, desarrollar y adquirir conocimientos y *know-how*;  
48 y (iii) que estos factores influyen en el CI del banco y promueven mejoras en procesos, sistemas, tecnología, marcas, productos y sobre todo en las  
49 personas, en la imagen corporativa y en las relaciones comerciales con el mercado, lo que lo ayuda a alcanzar resultados financieros significativos.

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51 *Palabras clave:* Estrategias corporativas; Fusiones y adquisiciones; Capital intelectual; Gestión del conocimiento; Creación de valour

## 52 Introduction

53 The theme of mergers and acquisitions (M&A) has aroused  
54 great interest in the academic and business environment, above  
55 all because of the very large amounts involved, the controversy  
56 produced and the growing intensity with which this strategic  
57 option has been used in recent years in Brazil and worldwide  
58 ([Costa Jr. & Martins, 2008](#); [Jordão & Souza, 2013](#); [Vieru & Rivard, 2015](#)). In spite of the increase in the volume and relevance  
59 of M&A operations, there are still gaps in the research  
60 that need to be addressed. Divergences exist between the results  
61 expected and those effectively achieved with these operations  
62 ([Child, Faulkner, & Pitkethly, 2001](#); [Jordão & Souza, 2013](#);  
63 [Jordão, Souza, & Avelar, 2014](#)), especially through the loss of  
64 knowledge ([Child et al., 2001](#); [Mayo, 2002](#)) and intellectual capital  
65 (IC) ([Freire, 2012](#); [Freire, Spanhol, & Selig, 2014](#)) in a large  
66 number of them. Equally, the international literature has presented  
67 a range of studies dealing with knowledge management  
68 (KM) and IC (e.g. [Andreeva & Garanina, 2016](#); [Ferenhof, Durst,  
69 Bialecki, & Selig, 2015](#); [Jordão, Novas, Souza, & Neves, 2013](#);  
70 [Khalique et al., 2015](#); [Novas, Alves, & Sousa, 2015](#); [Verbano  
71 & Crema, 2016](#)), these being considered themes of great importance  
72 by scholars and the market ([Jordão et al., 2013](#); [Novas  
73 et al., 2015](#)). This is because of the capacity that knowledge  
74 assets usually possess of augmenting the value of corporations  
75 (Joia, 2001), and the recognition of IC as the main driver in  
76 company development ([Andreeva & Garanina, 2016](#); [Grimaldi,  
77 Cricelli, & Rogo, 2013](#); [Jordão & Almeida, 2016](#); [Jordão et al.,  
78 2013](#); [Luthy, 1998](#); [Mouritsen, Larsen, & Bukh, 2001](#); [Novas  
79 et al., 2015](#); [Verbano & Crema, 2016](#)). This notwithstanding,  
80 the challenge of understanding the peculiarities of IC in M&A  
81 has still to be investigated in depth.

82 Recognizing and taking advantage of this gap, the objective  
83 of the research described in this article was to analyse the implications  
84 of the merger between the banks Unibanco and Itaú on

85 the intellectual capital of the Itaú-Unibanco S/A bank resulting  
86 from this process.

87 The justification of the research is the extent to which its  
88 results contribute to a substantial section of society, as defended  
89 by [Jordão and Novas \(2013\)](#) and [Jordão, Pelegrini, Jordão, and  
90 Jeunon \(2015\)](#). In this sense, the study is justified because, (i)  
91 it helps to fill the above-mentioned gap in the research; (ii) it  
92 collaborates towards an understanding of the creation and maintenance  
93 of knowledge in M&A (a question that concerns a large  
94 part of the business world and society) and (iii) it contributes  
95 towards the increase of the theoretical body of knowledge on  
96 the theme. Based on wide-ranging research, which mapped the  
97 state of the art on the theme, in databases and portals such  
98 as Ebsco, Proquest, Emerald, B-one, Science Direct, Scholar  
99 Google, OECD, Scielo, Redalyc, Periodicals Capes, among others,  
100 it was found that specific studies analysing the effects of  
101 mergers on IC do not exist. Nevertheless, a few studies were  
102 found that recognise the relevance of the theme and/or touch  
103 on it, such as [Coff \(1999\)](#), [Gupta and Roos \(2001\)](#), [Capron  
104 and Pistre \(2002\)](#), [Mayo \(2002\)](#) or [Freire \(2012\)](#), citing it as  
105 a future opportunity for investigation, but without dwelling on  
106 it, which again brings out the relevance and originality of the  
107 research.

108 In addition to the originality of the research, and the analysis  
109 model proposed and applied, the subject gains breadth because  
110 of the magnitude and expressiveness of the M&As ([Jordão et al.,  
111 2014](#)). The managerial challenges inherent to these operations  
112 ([Child et al., 2001](#)), have also aroused the interest of administrators  
113 and academics in the theme, who recognise the challenges  
114 of managing knowledge (*cf.* [Vieru & Rivard, 2015](#)) and dimensioning  
115 IC, especially in M&A, as recently demonstrated by  
116 [Freire et al. \(2014\)](#). As managerial implications of the research,  
117 it should be mentioned that its results can serve as benchmarking  
118 for the management and/or evaluation of IC in similar organisations  
119 and/or situations. An important question, particularly

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