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Domestic versus cross-border acquisitions: which impact on the target firms' performance?

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cross-border M&A. This conclusion is however true only for extra-European Union

operations. The achievement in the European economic integration certainly explains the absence of difference between European and domestic acquisitions. Finally, our results cast some doubt on the frequent discrimination attitude towards foreign takeovers and the fears of their impact on firms' performance and the host country's welfare.

Acknowledgements

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Notes

² See Ca



ders' wealth <u>)03</u>)). It t firms. even. In

ounting data.

³The productivity indicator can be measured for each single input or for all inputs simultaneously. Although the TFP is the best way of estimating efficiency performance, labour productivity is frequently examined because of data constraint.

⁴ Some studies analysed the effects of M&A on companies' market shares. Mueller (<u>1985</u>) or Baldwin and Gorecki (<u>1990</u>) found declines in market shares. Goldberg (<u>1973</u>), McDougall and Round (<u>1986</u>), Jenny and Weber (<u>1980</u>) or Cable et al. (<u>1980</u>) came to no significant variation in market shares.

⁵ Healy et al. (<u>1992</u>) or for example Cosh et al. (<u>1980</u>) also got the result of a positive impact respectively in the US and the UK market. Empirical evidence for other countries arrives to mixed conclusions too. For instance, merging firms' profits increased in Canada (Baldwin, <u>1995</u>) and Japan (Ikeda and Doi, <u>1983</u>), but decreased in Holland (Peer, <u>1980</u>) and Sweden (Ryden and Edberg, <u>1980</u>).

⁶ A Greenfield Investment is defined as the establishment of a new production facility in contrast to a cross-border M&A where a firm purchases shares of an existing foreign firm.

⁷ For instance, in the UK market, Davies and Lyons (<u>1991</u>), Driffield (<u>1977</u>), Girma et al. (<u>2000</u>) or Griffith and Simpson (<u>2001</u>) confirmed the productivity superiority of foreignowned firms. The MNE's profit is more seldom examined. For France, Houdebine and

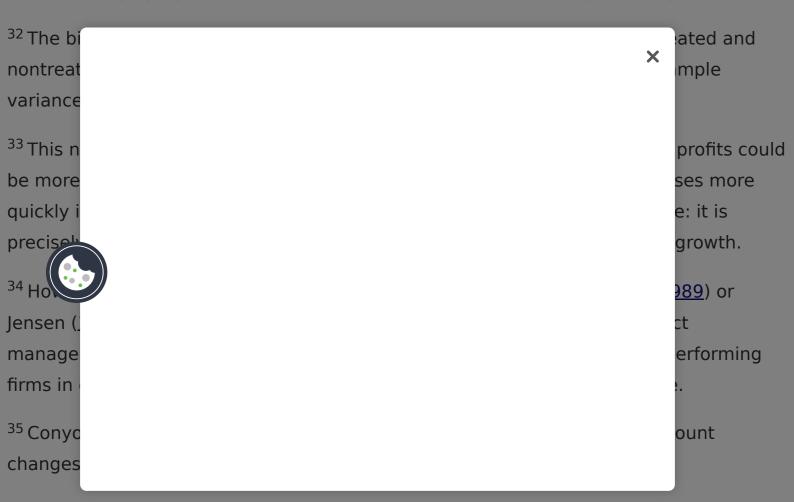
Topiol-Be X ⁸ Citatio being not publishe pharmad ⁹ In a rel rvival ctronics and prospect food ¹⁰ Event s and eholders Ravenso benefite d Ittner (1994) for vere on average

- ¹¹ The first four M&A wave were mainly confined to the United States and Great Britain. The fifth and last M&A wave encompassed all major industrial countries.
- ¹² We define inward cross-border M&A as the sales of domestic firms to foreign investors. In the opposite, outward cross-border M&A correspond to the purchases of foreign firms by domestic firms.
- ¹³ This list includes ten French industries, varying from biotechnologies, secure information systems, casinos to the production of vaccines.
- ¹⁴ In the past, two major waves of M&A took place in France, the first one happening in the 1960s and the 1970s, the second one in the middle of the 1980s (Derhy, <u>1999</u>).
- ¹⁵ Horizontal M&A are defined as operations between firms within the same industry.
- ¹⁶ The spatial economics literature examines the relationship between M&A, market power and local competition (Levy and Reitzes, <u>1992</u>, <u>1995</u>).
- ¹⁷ A firm fearing retaliation in one market (i.e. a price war) is incited to moderate its pricing behaviour in another market (Bernheim and Whinston, <u>1990</u>).
- ¹⁸ Empirical works are more ambiguous (Conyon et al., <u>2002</u>).

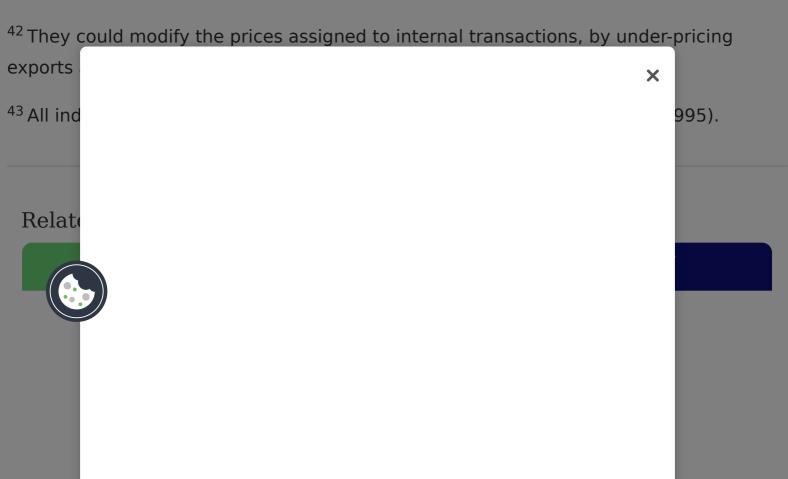
¹⁹ Since the economic context shapes the firms' innovation capabilities, the heteroge X ²⁰ Capro he buyer or the targ ²¹ These unced M&A. They con construct this dat ions, trade publ ²² Cross-0s (UNCTAI ost of them, specially ss than 5% in value ²³ It colle individual

firms. This dataset includes all French manufacturing πrms of more than 20 employees.

- See Table A1 in Appendix A2 for more descriptive statistics.
- ²⁴ See Van Biesebroeck (<u>2003</u>) for a discussion of the different ways to estimate productivity.
- ²⁵ As explained later, a newly acquired firm i is associated with a nontarget firm within the same year t.
- ²⁶ The matching method is a nonparametric method. No particular specification is assumed.
- ²⁷ We use the 'caliper' matching method to select the control firm.
- ²⁸ The matching is performed in Stata Version 8 implementing the software provided by Sianesi (2001).
- ²⁹ We use the French industry classification NAF16.
- ³⁰ We checked that there is neither a too high statistic correlation, nor multi-collinearity among selected variables.
- ³¹ For each independent variable, the difference between target and control firms is checked, employing T-test on the differences within bands of the propensity score.



- ³⁶ Our results partly differ, for instance, from Conyon et al. (<u>2002</u>). They did not find any significant increase in productivity for domestic M&A.
- ³⁷ The difference between domestic and European M&A is not significant even at a threshold of 10%.
- ³⁸ The inclusion of firm dummies makes the interactive variable not significant for domestic operations. However, the consequences of foreign operations still remain positive and significant, confirming a higher efficiency for cross-border M&A, especially nonEuropean M&A.
- ³⁹ The interactive variable could be significant in 3, but not in 2, 4 or 5. This change is then not really conclusive, all the more as the significance is not robust to a modification in estimations. More generally, we have to interpret it with caution since our sample is reduced with a narrower timing window.
- ⁴⁰ Theoretically, three main parameters determine the extent to which efficiency gains reduce consumers' prices: the intensity of competition after merging, the characteristics of the demand function and the production cost.
- ⁴¹ See Caves (<u>1996</u>) for an overview on this question.



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