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# Financial Centers Between Centralization and Virtualization

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information, national centers will remain serving opaque domestic businesses. Thus, there is little competition between second-tier centers which are caught in between centralization – toward London – and regionalization toward the most opaque businesses within their respective countries.

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[Google Scholar](#)

Budd L (1998) Global cities and finance: A troubled relationship. In: Gravesteijn S, van Griensven S, de Smidt M (eds) Timing global cities. Nederlandse Geografische Studies 241, Utrecht: Koninklijk Nederlands Aardrijkskundig Genootschap, 67-83

[Google Scholar](#)

Castells M (1997) The power of identity: The information age - economy, society

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Davis EP (1990) International financial centers: An industrial analysis. Bank of London Working Paper Series, London

[Google Scholar](#)

de Smidt M, van Rietbergen T (2002) Stock markets for sale: European integration and the consolidation of stock exchanges. Tijdschrift voor Economische en Sociale Geografie 93 (2):208–213

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Deutsche Börse (2005a) Annual Report 2004. Deutsche Börse, Frankfurt

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French KR, Poterba JM (1991) Investor diversification and international equity markets. American Economic Review 81:222-226

[Google Scholar](#)

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Grote MH (2008) Foreign banks' attraction to the financial center Frankfurt: An inverted 'U'-shaped relationship. *Journal of Economic Geography* 8:239–258

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

Grote MH, Lo V, Harrschar-Ehrnborg S (2002) A value chain approach to financial centers: The case of Frankfurt. *TESG Journal of Economic and Social Geography* 93:412–423

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Kindleberger CP (1974) The formation of financial centers: A study in comparative economic history. Princeton Studies in International Finance 36(Nov)

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Laulajainen R (2001) End of geography at exchanges? Zeitschrift für Wirtschaftsgeographie 45(1):1-14

[Google Scholar](#)

Lee R, Schmidt-Marwede U (1993) Interurban competition? Financial centers and the geography of financial production. International Journal of Urban and Regional Research. 17 (4):492-515

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Lo V, Grote MH (2002) Where traders go when stock exchanges go virtual: Concentration, dissemination or persistence? In: Balling M, Lierman F, Mullineux A (eds) Technology and finance: Challenges for financial markets, business strategies and policy makers. Routledge, London, pp. 90-203

[Google Scholar](#)

Loughran T, Schultz P (2005) Liquidity: Urban versus rural firms. University of Notre Dame, Working Paper

[Google Scholar](#)

Loughran T, Schultz P (2006) Asymmetric information, firm location, and equity issuance. University of Notre Dame Working Paper

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in Europe. Annual lecture at Société Universitaire Européenne de Recherches Financières (SUERF), Brussels, November 30

[Google Scholar](#)

O'Brien R (1992) Global financial integration: The end of geography. Pinter, London

[Google Scholar](#)

Pinkowitz L, Stulz RM, Williamson R (2001) Corporate governance and the home bias. NBER Working Paper 8680

[Google Scholar](#)

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Ter Hart HW, Piersma J (1990) Direct representation in international financial markets: The case of foreign banks in Amsterdam. TESG 81(2):82-92

[Google Scholar](#)

Thrift N (1994) On the social and cultural determinants of international financial centers: The case of the city of London. In: Corbridge S, Thrift N, Martin R (eds) Money, Power and Space. Blackwell, Oxford, pp. 327-355

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UBS (2006) UBS in Deutschland. UBS, Frankfurt

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