

Introduction

- Economic geography provides a service to business decision-making by contributing to our understanding of business expansion and contraction
 - What contributes to business growth?
 - What contributes to business decline?
 - From a "business geography" perspective, what can businesses do with this knowledge?

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Introduction

- This study examines the connection between <u>firm-level change</u> and the key <u>knowledge and influence connections</u> that link Canadian cities, nationally and globally
 - Focus: the inter-firm and inter-city linkages embodied in the boards of directors of Canada's leading corporations

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Why Study Corporate Boards?

- Boards of directors sit at the top of the modern corporate hierarchy
- Board members
 - Assess the results achieved by the corporation
 - Convey high-level knowledge and advice to top executives
 - Provide an influence mechanism extending between firms (in the case of shared board members among multiple businesses)

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Why Study Corporate Boards?

- Because we have data on their operation and composition, analysis of corporate boards provides us with a window on something we do not ordinarily see
 - Inter-personal and inter-organizational links among the most powerful and influential individuals in national and global economies (Mizruchi 1994; Domhoff 2002)

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Boards and Geography

- For business researchers, boards are especially interesting because of their complexity
 - Organizationally, boards typically include a mix of individuals from inside and outside the firm
 - Geographically, boards can include members from close to the corporate HQ, and others from further away

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Boards and Geography

- The body of research related to the foregoing has established three key things
 - 1. Director networks have <u>geographically-complex structures</u>
 - These structures make director networks effective transmitters of <u>knowledge</u> and <u>influence</u> among business cities (O'Hagan and Green 2004)

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Boards and Geography

- The body of research related to the foregoing has established three key things
 - 2. Director networks have a complex relationship with <u>other elements of the urban-</u> economic environment
 - These include <u>personal factors for directors</u> (such as their residence and education), and <u>metropolitan factors</u> (such as regional economic trends) (O'Hagan et al. 2008; O'Hagan and Rice 2011)

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Boards and Geography

- The body of research related to the foregoing has established three key things
 - 3. Director network configurations have some relationship to <u>regional economic change</u>
 - Example: the director network of the US industrial belt has been regionally focused as the region declined relatively few national and international connections (Green 1983; O'Hagan and Rice 2011)

IT Geography

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Boards and Geography

- The point of departure for the present study: research has yet to link board geographies to <u>business change</u> at the <u>firm</u> level
 - General question: do growing businesses have board member geographies that are distinctive from the board geographies of <u>declining firms</u>?

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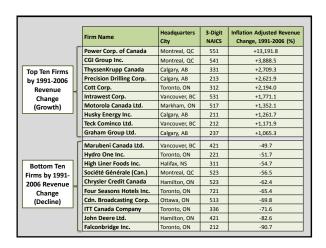
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Case Study: Data

- Two datasets
 - 1. Firm-Level Change: data from Financial Post 500 and Dun & Bradstreet, defining the top 1000 firms in Canada for 1991 and 2006
 - Product: database of corporate revenue changes (growth or decline) for firms that existed in both 1991 and 2006 (n=234 firms)
 - 2. Director Data: database of directors (names, work locations) for every firm above included in the Financial Post Directory of Directors (n=118)

IT Geograph

	Firm Name	Headquarters City	3-Digit NAICS	Inflation Adjusted Revenue Change, 1991-2006 (%)
	Power Corp. of Canada	Montreal, QC	551	+13,191.8
	CGI Group Inc.	Montreal, QC	541	+3,888.5
Top Ten Firms by 1991-2006	ThyssenKrupp Canada	Calgary, AB	331	+2,709.3
	Precision Drilling Corp.	Calgary, AB	213	+2,621.9
Revenue	Cott Corp.	Toronto, ON	312	+2,194.0
Change (Growth)	Intrawest Corp.	Vancouver, BC	531	+1,771.1
	Motorola Canada Ltd.	Markham, ON	517	+1,352.1
	Husky Energy Inc.	Calgary, AB	211	+1,261.7
	Teck Cominco Ltd.	Vancouver, BC	212	+1,171.9
	Graham Group Ltd.	Calgary, AB	237	+1,065.3









Firm/Director Links by HQ Region and Director Region for Growing Canadian Firms, 2006 (n=96 firms) **Director Region Grand Total** Within-Region Outside-Region/ Foreign/US Foreign/All **HQ** Region Directors (% of Inside Canada Directors Regional Total) Directors (%) British Columbia 43 (52%) 28 (34%) 7 (8%) 5 (6%) 83 (100%) Prairie Region 86 (54%) 159 (100%) 45 (28%) 18 (11%) 10 (6%) Ontario 210 (67%) 48 (15%) 40 (13%) 14(5%) 312 (100%) Quebec 164 (63%) 63 (24%) 21 (8%) 13 (5%) 261 (100%) Atlantic Region 14(54%) 11 (42%) 0 (0%) 1 (4%) 26 (100%) 517 (62%) 43 (5%) 841 (100%) **National Total** 195 (23%) 86 (10%) UNT

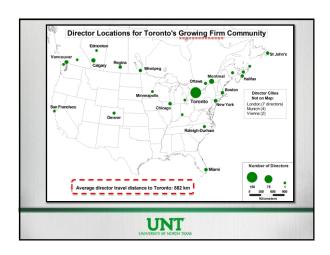
HQ Region					
	Within-Region Directors (% of Regional Total)	Outside-Region/ Inside Canada Directors (%)	Foreign/US Directors (%)	Foreign/All Other Directors (%)	Grand Total (%)
British Columbia	0 (n/a)	0 (n/a)	0 (n/a)	0 (n/a)	0 (n/a)
Prairie Region	36 (95%)	1 (3%)	1 (3%)	0 (0%)	38 (100%)
Ontario	74 (83%)	8 (9%)	7 (8%)	0 (0%)	89 (100%)
Quebec	6 (35%)	10 (59%)	1 (6%)	0 (0%)	17 (100%)
Atlantic Region	0 (n/a)	0 (n/a)	0 (n/a)	0 (n/a)	0 (n/a)
National Total	116 (81%)	19 (13%)	9 (6%)	0 (0%)	144 (100%)

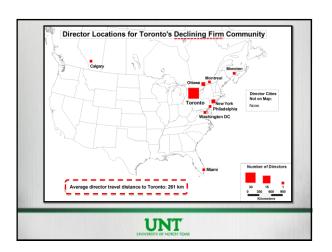
Firm/Director Links by HQ Region and Director Region for Declining Canadian Firms, 2006 (n=18 firms)

A chi-square analysis substantiates the difference between the two groups of firms

Test: compare the two tables, combining the "Foreign/US" and "Foreign/All Other" values to meet the chi-square test minimum value requirements

Result: calculated chi-square value of 19.87 (p=0.00)





Conclusion Canada's growing and declining firms have distinctive regional orientations and network characteristics Growing firms are more likely than declining firms to invite long-distance board member participation Growing firms can be interpreted as securing for themselves specialized knowledge and participating in global influence networks

Conclusion

- Canada's growing and declining firms have distinctive regional orientations and network characteristics
 - <u>Declining firms</u> can be interpreted as having low participation in these same networks

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Conclusion

- Application
 - This research supports the contention that board member geographies have an important relationship to corporate performance
 - Businesses should assess their boards relative to their strategic knowledge gathering and influence management needs
 - Businesses ought to <u>consider board member</u> <u>location</u> as they review their corporate positioning

Conclusion

• For more details on this research, please see the published version of this paper:

Rice, M.D., S. Tierney, S. O'Hagan, D. Lyons, and M.B. Green (2012) 'Knowledge, influence, and firm-level change: A geographic analysis of board membership associated with growing and declining businesses in the Canadian economy', *Geoforum* 43(5), 959-968.

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