Does the Nature of Political Connection Matter for Corporate Social Responsibility Engagement? Evidence from China

Vinh Q.T. Dang (Nanjing University of Finance and Economic)

> Issac Otchere (Carleton University)

Erin P.K. So (Hong Kong Baptist University)

Motivation

- Is CSR consistent with managers' mandate?
 - Socially responsible firms can also maximize shareholders' value
 - CSR is consistent with good governance practice (Deng et al., 2013)
 - CSR distracts managers or induces excessive discretion
 - CSR is associated with agency problem (Jensen, 2001; Krueger, 2015)
- CSR as tools for legitimacy building in emerging economies
 - Government controls critical resources → shape the competition environment encountered by firms → incentive for legitimacy building
 - In emerging economies, greater uncertainty exists about relationship building with government, firms rely more on informal mechanism for legitimacy building
 - CSR activities of Firm could serve as
 Tool to gain firm-level legitimacy for favorable environment of firm

VS

Tool to obtain personal-level legitimacy for favorable treatment of the executives (could be external to the firm)

Motivation

- Why China?
 - After years of unchecked growth, there has been a shift toward sustainability
 - CSR promoted by various government agencies
 - Increasing number of reporting firms
 - Corporate governance and rules of law are weaker
 - Firms' relationship with the government remains important
 - Firms' relationship with the government is a determinant affecting the access (or lack of) to additional resources and market power
 - Strong incentive to build legitimacy
 - Conforming to government's signals and guidelines is a useful corporate strategy (Marquis et al., 2011; Zhang et al., 2016) → Value of CSR
 - Firms' relationship with the government could be built through personal relationship of the executive to the government
 - Variations of executives' / firms' relationship with the government may also affect CSR activities of Firm (both in CSR incentives and performance)

Literature

- Marquis and Qian (2014)
 - Firms with financial slacks are more likely to issue CSR reports
 - Firms whose CEOs are member of NPC/CPPCC are more likely to issue CSR reports
 - Firms whose CEOs were government officials are more likely to engage in more substantive CSR reporting
 - CSR reporting as a political strategy in China
 - Conforming to gov't signals varies with political dependency and monitoring pressure
- Zheng et al. (2016)
 - Buffering effect from pressure to make charitable donation
 - » Firms whose chairmen have government working experience are less likely to donate; smaller donation
 - » Firms whose chairmen have membership in NPC/CPPCC are more likely to donate; larger donation
 - Buffering is weaker in more state-monopolized industries

Our study

- Most previous studies focus on ex-post effects of political asset - Ferrell et al. (2016)
 - CSR literature: CSR ranking, donation amount
 - Others: accounting performance, firm value, etc
- **This study**: Relation between CSR engagement and firm characteristics that **capture managerial incentives (ex-ante)**

Better performance in CSR score / compliance / donation ? (ex-post) VS More CSR is associated with better governance / higher agency cost? (ex-ante)

Our study

- In the literature, heterogeneity of political connections is rarely considered.
 - Political assets established through various channels are usually considered to have similar effects on firms.
- Accounting for different types of connection
 - **"Symbolic**": managers' membership in NPC and CPPCC
 - National People's Congress
 - Chinese People's Political Consultative Conference
 - "Material": managers' experience as government official or military officer
 - Different degrees of political embeddedness, interest alignment, and monitoring pressure
 - affect managerial incentives in responding to gov't policies
 - We test
 - (i) whether CSR behavior of firms with Symbolic (Material) Connections is associated more **closely with agency cost view or good governance** view.
 - (ii) whether firms with Symbolic (Material) Connections are more likely to **substitute political assets** for CSR in **reputation building**.

Hypotheses

- Symbolic connection: managers' membership in NPC/CPPCC
 - "Outsiders": granted to elite corporate executives recognized by the government
 - » Short-term (5-year) appointment and external to firm → Stronger need to maintain / extend the political connections
 - » A way for government to co-opt corporate sector into policy compliance
 - » Potentially **weaker** monitoring pressure, political embeddedness, and interest alignment
 - » Potentially greater incentive to have CSR activities that is "superficial" or exerts "negative externalities to other stakeholders"
- Material connection: managers' experience in gov't or military
 - "Insiders": arises from long tenure in gov't bureaucracy
 - » Long-term relationship:Trust and loyalty with gov't bodies and officials
 - » Empirical evidence in corporate finance: Connections to political parties would affect the attitude of the connected executives
 - » Shared ideology and interest alignment
 - » Potentially **stronger** monitoring pressure, interest alignment, and political embeddedness

Hypotheses

- Hypothesis I: CSR engagement of firms with symbolic connection is associated more with agency problem
 - Managers may overspend to show adherence to gov't signal for reputation building or personal gains
 - For Symbolic Connection: use CSR for maintaining personal government recognition when Personal benefit > Personal cost
 - For Material Connection: established relationship that would not disappear, rely less on ongoing gesture of conforming to government
 - Monitoring: in China, appointing government officers to be executives is among the methods of government control and monitoring

Hypotheses

- Hypothesis 2: Firms with symbolic connection are more likely to substitute political assets for CSR engagement
 - Firms with material connection are more likely to treat CSR as a goal rather than a tool to build legitimacy and reputation of the firm
 - » Executives share the goal (and the resulted benefit) of the government in promoting CSR
 - » Superficial CSR activities under material connection are subject to greater monitoring pressure

Data

- CSMAR for accounting data on listed firms 2008-2016
 - State-ownership: Ultimate controlling shareholder is a gov't entity
 - Political connection:
 - symbolic = 1 if CEO or chairman's a member in NPC/CPPCC
 - material = 1 if CEO or chairman's a gov't official/military officer
 - CSR info: I I binary indicators consisting of disclosures on relations with various stakeholders
 - CSRavail = I if any of these indicators is equal I
 - CSRscore = sum of these indicators
- CSR performance ratings from Hexun as a robustness check
 - Higher ratings (smaller numerical values) indicates better performance

Testing Hypothesis I

 $CSR_{it} = \gamma_{o} + \gamma_{1}agency_{it} + \gamma_{2}symbolic_{it} + \gamma_{3}material_{it} + \gamma_{4}symbolic_{it} \times agency_{it} + \gamma_{5}material_{it} \times agency_{it} + x^{T}\delta + \varepsilon_{it}$

- CSR = measure of CSR engagement
 - CSRavail or CSRscore
 - Hexun ranking for robustness check (sign reversed for γ_4 and γ_5)
- Managers in connected firms over-spend resources to show adherence to gov't signals then γ_4 or γ_5 is positive
 - CSR is associated more with agency problem in these firms
- agency_{it} = one of variables representing agency costs
 - Managerial discretion over liquidity
 - cash = cash holdings/total assets
 - capex = capital expenditure/total assets
 - External disciplinary force and Other Robustness Check
 - payout ratio = dividend/net profits
 - » Cash commitment or external discipline (sign reversed for γ_4 and γ_5)
 - Free Cash Flows (scaled by total assets)
- x = vector of control variables
 - Tobin's q: growth or investment opportunities
 - size: larger firms may have greater need for reputation building
 - soe = dummy variable for state-ownership
 - leverage = debt/total assets Leverage (not considered as agency cost but control var due to dominance of state banks)
 - competition = number of firms in the industry

Testing Hypothesis 2

 $CSR_{it} = \beta_o + \beta_1 size_{it} + \beta_2 symbolic_{it} + \beta_3 material_{it} + \beta_4 symbolic_{it} \times size_{it} + \beta_5 material_{it} \times size_{it} + z^T \pi + \eta_{it}$

- Large firms need to build/protect their reputation
 - β_1 is expected to be positive
- Firms substitute their political assets for CSR
 - β_4 or β_5 is expected to be negative
- CSR = measure of CSR engagement
 - CSRavail or CSRscore
 - Hexun ranking for robustness check (sign reversed for β_4 and β_5)
- z = vector of control variables
 - Tobin's q: growth or investment opportunities
 - soe = dummy variable for state-ownership
 - leverage = debt/total assets
 - competition = number of firms in the industry

Summary statistics

		<u>Mean</u>		Standard deviation			
	Unconnected	Symbolic	Material	Unconnected	Symbolic	Material	
	firms	connection	connection	firms	connection	connection	
CSRavail	0.216	0.274	0.335	0.411	0.446	0.472	
CSRscore	1.583	2.093	2.442	3.119	3.535	3.549	
11 CSR items							
Reference to GRI	0.035	0.046	0.090	0.184	0.210	0.286	
Shareholders protection disclosure	0.208	0.264	0.330	0.406	0.441	0.470	
Creditor protection disclosure	0.116	0.169	0.163	0.320	0.375	0.369	
Staff protection disclosure	0.212	0.267	0.333	0.409	0.442	0.471	
Delivery protection disclosure	0.145	0.213	0.193	0.353	0.409	0.394	
Customer protection disclosure	0.203	0.263	0.324	0.402	0.440	0.468	
Environment protection disclosure	0.207	0.266	0.323	0.405	0.442	0.468	
Public relations disclosure	0.204	0.263	0.325	0.403	0.440	0.468	
System construction disclosure	0.049	0.081	0.074	0.215	0.273	0.262	
Work safety disclosure	0.170	0.200	0.242	0.376	0.400	0.429	
Deficiency disclosure	0.035	0.062	0.045	0.183	0.241	0.208	
Cash	0.203	0.208	0.175	0.165	0.153	0.148	
CapEx	0.054	0.062	0.052	0.055	0.057	0.056	
Leverage	0.183	0.168	0.223	0.225	0.169	0.677	
Size	21.796	21.976	22.508	1.436	1.501	2.058	
Tobing	7.199	2.490	2.130	454.340	2.824	3.908	
Competition	267.741	278.060	200.768	191.730	194.440	175.167	
SOE	0.460	0.242	0.688	0.498	0.428	0.464	
No of observations	13420	3413	1792	13420	3413	1792	

	Unconnected firms (1)	Connected firms (2)	Difference (3) = (1) – (2)	Symbolic connection (4)	Material connection (5)	Difference (6) = (4) - (5)
CSRavail	0.216	0.287	-0.07 l ***	0.259	0.335	-0.077***
CSRscore	I.583	2.162	-0.579***	1.997	2.442	-0.445***

Results: Connection and agency cost (Simple PC)

					Poisson re	egression	Logit re	gression
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Dependent variable \rightarrow	CSRavail	CSRscore	CSRavail	CSRscore	CSRscore	CSRscore	CSRavail	CSRscore
Agency cost variable \rightarrow	<u>Cash</u>	<u>Cash</u>	<u>CapEx</u>	<u>CapEx</u>	<u>Cash</u>	<u>CapEx</u>	<u>Cash</u>	<u>CapEx</u>
agency	-0.0308	-0.1824	-0.0220	0.1059	-0.2475***	0.6208***	-1.2928***	1.0924
Political Connections (PC)	0.0187	0.1957***	0.0208**	0.1796**	0.0997***	0.1425***	0.1756	0.3418**
PC x agency	0.0513	0.3307	0.1367	I.4029*	0.3808***	0.3909	1.2716*	0.9335
Control variables	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Fixed effect	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Observations	18,578	18,578	18,578	18,578	6,645	6,645	6,218	6,218

Results: Connection and agency cost

					Poisson r	egression	Logit re	gression
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Dependent variable \rightarrow	CSRavail	CSRscore	CSRavail	CSRscore	CSRscore	CSRscore	CSRavail	CSRscore
Agency cost variable \rightarrow	<u>Cash</u>	<u>Cash</u>	<u>CapEx</u>	<u>CapEx</u>	<u>Cash</u>	<u>CapEx</u>	<u>Cash</u>	<u>CapEx</u>
agency	-0.0328	-0.2076	-0.0196	0.1598	-0.2677***	0.6326***	-1.2856***	1.0805
symbolic	-0.0013	0.0746	-0.0009	0.0595	0.0452	0.0787**	0.0198	0.0875
material	0.0272	0.2156*	0.0332**	0.2530**	0.0816*	0.1661***	0.1818	0.4170**
symbolic x agency	0.1014**	0.6957*	0.3478***	2.6765***	0.5334***	1.2042***	1.8743**	5.2742***
material x agency	-0.0689	-0.3906	-0.3548**	-2.1409*	0.0582	-1.5420***	-0.2565	-5.4401**
Control variables	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Fixed effect	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Observations	18,578	18,578	18,578	18,578	6,645	6,645	6,218	6,218

Results: Substitution of connection for CSR

	Basic	Basic	Logit	Poisson
	(1)	(2)	(3)	(4)
	CSRavail	CSRscore	CSRavail	CSRscore
size	0.0507***	0.3859***	I.0307***	0.3284***
PC	0.1742	0.8000	4.34577***	1.7999***
PC x size	-0.0066	-0.0244	-0.1708***	-0.0698***
Control variables	Yes	Yes	Yes	Yes
Fixed effect	Yes	Yes	Yes	Yes
Observations	18,578	18,578	6,218	6,645
	Basic	Basic	Logit	Poisson
	(1)	(2)	(3)	(4)
	CSRavail	CSRscore	CSRavail	CSRscore
size	0.0602***	0.3905***	1.0328***	0.3274***
symbolic	0.2852**	I.9832*	5.5774***	2.1478***
material	-0.0034	-0.7282	0.6191	0.4179
symbolic x size	-0.0120**	-0.0798*	-0.2274***	-0.0858***
material x size	0.0008	0.0391	-0.0215	-0.0139
Control variables	Yes	Yes	Yes	Yes
Fixed effect	Yes	Yes	Yes	Yes
Observations	18,578	18,578	6,218	6,645

Robustness check I: Hexun CSR ranking smaller coefficient → better CSR ranking

Panel A: Hypothesis 1	(1)	(2)
	HEXUNrank	HEXUNrank
Agency cost variable \rightarrow	Cash	СарЕх
agency	-0.5526***	-0.9949***
symbolic	0.0121***	0.0028
material	-0.0716***	-0.0574***
symbolic x agency	-0.1296***	-0.3466***
material x agency	0.1012***	0.1761***
Panel B: Hypothesis 2	(1)	
	HEXUNrank	
symbolic	-1.4787***	
material	0.3147***	
symbolic x size	0.0671***	
	A A I 73 ***	
material x size	-0.0173	
Control variables	Yes	Yes
Fixed Effect	Yes	Yes
Observations		
	11,170	11,170

Robustness check 2: Alternative agency costs

	(1)	(2)
Dependent variable $ ightarrow$	HEXUNrank	HEXUNrank
Agency cost variable \rightarrow	Free cash flows	Dividends
agency	0.0005***	-0.0007***
symbolic	0.0339***	-0.0278***
material	-0.0651***	-0.0591***
symbolic x agency	-0.6144***	0.0057***
material x agency	-0.0006	0.0009***
Control variables	Yes	Yes
Fixed effect	Yes	Yes
Observations	10,753	11,190

Addressing Endogeneity Issue: Propensity Score Matching

- Political connection is not randomly distributed to firms. Estimates of the causal effects of political connection may be affected by selection bias due to the non-random nature of connected firms
- We follow Desai and Olofsgard (2008) and Otchere et al. (2020) and use propensity score matching (PSM) to alleviate the endogeneity of political connection.
- The purpose of matching is to ensure that our politically connected firms are as close as possible to unconnected firms in terms of relevant explanatory covariates
- It **mitigate biases** arising from **self-selection** therefore provides a useful robustness test

Addressing Endogeneity Issue: Propensity Score Matching

Step I:

- We **perform matching for each type of political connection**: aggregate (*polcon*), *symbolic*, and *material* connection
- We perform **logistic regression of each connection indicator** on firms characteristics including: size, Tobin's *q*, leverage, state ownership, competition, and proxies for agency problem

Step 2:

• Using matched sample, we re-estimate equations with Poisson fixed-effect estimator for CSRscore and logit fixed-effect estimator for CSRavail.

	aggregate c (pole	connection con)	symbolic c	<i>symbolic</i> connection <i>material</i> connection		onnection
	Unmatched	Matched	Unmatched	Matched	Unmatched	Matched
	(1)	(2)	(3)	(4)	(5)	(6)
size	12.21***	-0.88	3.91***	0.04	19.43***	0.80
soe	-10.72***	-1.05	-28.46***	-0.11	23.85***	-0.58
leverage	0.29	-0.07	-3.67***	1.11	6.05***	1.39
competition	-3.29***	1.07	4.58***	-0.39	-15.80***	0.35
tobinq	-0.71	-1.10	-0.56	-0.21	-0.43	0.36
cash	-2.41*	0.11	1.79*	-0.12	-7.55***	-0.31
capex	5.65***	-0.02	8.38***	-0.67	-2.87***	1.24

Table 8: Univariate *t* tests between politically-connected and unconnected firms in (un)matched samples

Notes: This table contains *t* test statistics of the difference in the sample means between the group of politicallyconnected firms and group of unconnected firms for the key variables before and after matching. The treatment is aggregate political connection (either symbolic or material connection) in columns 1-2, *symbolic* connection in columns 3-4, and *material* connection in columns 5-6. ***, ** and * indicate statistical significance at the 1%, 5% and 10% levels, respectively.

Political	(1)	(2)	(3)	(4)	(5)	(6)
connection (PC)	polcon	polcon	symbolic	symbolic	material	material
Agency cost \rightarrow	cash	capex	cash	capex	cash	capex
	Panel A: D	ependent varial	ble is CSRscore	; Poisson estim	ation	
PC	-0.013	0.126***	0.016	0.106	0.119	0.106
	(0.791)	(0.005)	(0.846)	(0.122)	(0.194)	(0.173)
<i>PC</i> × <i>agency</i>	0.434**	-0.220	0.728***	2.147***	-0.180	-1.777**
	(0.026)	(0.643)	(0.005)	(0.000)	(0.673)	(0.045)
agency	-0.362*	0.775*	-0.706***	-1.108**	-0.035	0.050
	(0.052)	(0.060)	(0.004)	(0.027)	(0.931)	(0.947)
Control variables	Yes	Yes	Yes	Yes	Yes	Yes
Fixed Effect	Yes	Yes	Yes	Yes	Yes	Yes
Observations	3,176	3,118	1,640	1,669	950	994
	Panel B:	Dependent vari	iable is CSRava	il; logit estimat	ion	
PC	-0.081	0.222	-0.081	0.136	0.288	0.267
	(0.741)	(0.322)	(0.859)	(0.708)	(0.546)	(0.521)
PC×agency	1.225	-0.015	2.699*	4.743*	-0.226	-6.911
	(0.200)	(0.995)	(0.064)	(0.100)	(0.928)	(0.111)
agency	-1.400	0.893	-2.350*	-2.079	-0.420	0.125
	(0.107)	(0.634)	(0.060)	(0.364)	(0.854)	(0.971)
Control variables	Yes	Yes	Yes	Yes	Yes	Yes
Fixed Effect	Yes	Yes	Yes	Yes	Yes	Yes
Observations	2,599	2,564	1,282	1,266	711	753

Table 9: Robustness	check for Hypo	theses 1 and 2:	Propensity scor	re matching (PS	SM) sample.	

	(1)	(2)	(3)
<i>Political connection (PC)</i>	polcon	symbolic	material
Panel A:	Dependent variable is CS	Rscore; Poisson estimation	1
PC	1.555***	2.343***	0.882
	(0.000)	(0.000)	(0.188)
$PC \times size$	-0.058***	-0.088***	-0.039
	(0.000)	(0.001)	(0.151)
size	0.256***	0.256***	0.325***
	(0.000)	(0.000)	(0.000)
Control variables	Yes	Yes	Yes
Fixed Effect	Yes	Yes	Yes
Observations	3,146	1,678	998
Panel	B: Dependent variable is C	<i>CSRavail</i> ; logit estimation	
PC	-0.044	9.310**	3.945
	(0.286)	(0.030)	(0.323)
$PC \times size$	-0.145*	-0.369**	-0.176
	(0.028)	(0.047)	(0.285)
size	3.764*	0.984***	1.601***
	(0.061)	(0.000)	(0.000)
Control variables	Yes	Yes	Yes
Fixed Effect	Yes	Yes	Yes
Observations	2,594	1,311	737

Table 10: Robustness check for Hypothesis 3: Propensity score matching (PSM) sample

Notes: *PC* denotes the type of political connection for which the firms are matched in the columns. The control variables are *SOE*, *Tobin's q*, *leverage*, and *competition*. *p*-value are in the parentheses. The symbols ***, ** and, * indicate statistical significance at the 1%, 5% and 10% levels, respectively.

Conclusion

- CSR engagement is related to managerial **incentives, and heterogeneity** of political connection **matters**
 - CSR incentive is not fixed but varied with institutional conditions
 - It is more closely associated with agency problem in firms with symbolic connection
 - Managers are probably under greater pressure to show adherence to gov't policies for either firm reputation or personal benefits
 - Firms with symbolic connection are more likely to substitute their political ties for CSR engagement
 - Greater interest alignment and government monitoring in firms with material connection
 - Failure of take into account the effects of different types of political connection can give rise to misleading results
 - Coefficients become insignificant in some cases under a single aggregate indicator for both types of political connections
- Corporate policies that are responses to gov't policies
 - Important to consider political embeddedness, interest alignment and monitoring pressure
- Implications
 - Corporate governance, Institutional development, Designs of policies and guidelines

Thank you

• Q&A

Results: Connection and agency cost

					Poisson r	egression	Logit re	gression
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	CSRavail	CSRscore	CSRavail	CSRscore	CSRscore	CSR score	CSRavail	CSRscore
Agency cost variable \rightarrow	<u>Cash</u>	<u>Cash</u>	<u>CapEx</u>	<u>CapEx</u>	<u>Cash</u>	<u>CapEx</u>	<u>Cash</u>	<u>CapEx</u>
symbolic	-0.0013	0.0746	-0.0009	0.0595	0.0452	0.0787**	0.0198	0.0875
material	0.0272	0.2156*	0.0332**	0.2530**	0.0816*	0.1661***	0.1818	0.4170**
symbolic x agency	0.1014**	0.6957*	0.3478***	2.6765***	0.5334***	1.2042***	1.8743**	5.2742***
material x agency	-0.0689	-0.3906	-0.3548**	-2.1409*	0.0582	-1.5420***	-0.2565	-5.4401**
agency	-0.0328	-0.2076	-0.0196	0.1598	-0.2677***	0.6326***	-1.2856***	1.0805
size	0.0579***	0.3785***	0.0586***	0.3864***	0.2990***	0.3150***	0.9578***	1.0116***
soe	0.0105	0.1050	0.0101	0.1033	0.1213**	0.1061*	0.3885	0.3495
tobinq	0.0000	0.0000	0.0000	0.0000	-0.0136***	-0.0129***	-0.0050	-0.0058
leverage	-0.0089	-0.0730	-0.0080	-0.0680	-0.5358***	-0.5195***	-1.3402***	-1.2177***
competition	0.0004**	0.0033**	0.0004**	0.0032**	0.0012***	0.0012***	0.0127**	0.0124**
Fixed effect	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Observations	18,578	18,578	18,578	18,578	6,645	6,645	6,218	6,218

Results: Substitution of connection for CSR

	Basic	Basic	Logit	Poisson
	(1)	(2)	(3)	(4)
	CSRavail	CSRscore	CSRavail	CSRscore
size	0.0602***	0.3905***	I.0328***	0.3274***
symbolic	0.2852**	I.9832*	5.5774***	2.1478***
material	-0.0034	-0.7282	0.6191	0.4179
symbolic x size	-0.0 I 20**	-0.0798*	-0.2274***	-0.0858***
material x size	0.0008	0.0391	-0.0215	-0.0139
tobinq	0.0000	0.0000	-0.0072	-0.0134***
soe	0.0091	0.0972	0.3226	0.1115**
competition	0.0004**	0.0033**	0.0121**	0.0011***
leverage	-0.0073	-0.0602	-1.1550***	-0.4946***
Fixed effect	Yes	Yes	Yes	Yes
Observations	18,578	18,578	6,218	6,645