Excessive risk taking by systemically important financial institutions (SIFIs) was one of the main causes of the global financial crisis. The post-crisis regulatory reforms cannot by themselves curb such excessive risk-taking. To prevent future systemic collapses, SIFIs’ managers should have a duty to society (a public governance duty) not to engage their firms in excessive risk taking that leads to systemic externalities.

Introduction

Excessive corporate risk taking by systemically important financial institutions (SIFIs) is widely seen as one of the primary causes of the global financial crisis. In response, an array of international reforms, under the auspices of the Group of Twenty’s (G20’s) standard-setting bodies, has been adopted to try to curb that risk taking. However, these reforms only impose substantive requirements, such as capital adequacy, and cannot by themselves prevent future systemic collapses. To complete the G20 financial reform agenda, SIFI managers should have a duty to society (a public governance duty) not to engage their firms in excessive risk taking that leads to systemic externalities. Regulating governance in this way can help supplement the ongoing regulatory reforms and reduce the likelihood of systemic harm to the public.

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1 A SIFI can be broadly defined as a financial institution whose distress or failure could pose a significant risk of disruption to the smooth functioning of the financial system. No single measurement perfectly captures the systemic importance of a SIFI. Firms vary widely in their structure and operations and, therefore, in the nature and degree of risks they pose to the system. Size, interconnectedness, complexity of the governance and operations, and the strategic position in the market are among the factors that can indicate systemic importance. See HM Ennis & HS Malek, “Bank Risk of Failure and the Too-Big-to-Fail Policy” (2005) 91:2 Federal Reserve Bank of Richmond Econ Q 21 at 21–22, online: <www.richmondfed.org/publications/research/economic_quarterly/2005/spring/pdf/ennismalek.pdf>; Basel Committee on Banking Supervision, “Global Systemically Important Banks: Updated Assessment Methodology and the Higher Loss” (2013) at 4–8, online: <www.bis.org/publ/bcbs255.pdf>.
Challenge

Excessive corporate risk taking by SIFIs is widely seen as one of the primary causes of the global financial crisis. In response, an array of international reforms, under the auspices of the G20’s Financial Stability Board (FSB), have been adopted to curb excessive SIFI risk taking. Such reforms include higher capital requirements for SIFIs, requiring SIFIs to tie management compensation to the firms’ long-term performance and requiring SIFIs to maintain so-called contingent capital, in which debt securities convert into equity upon specified conditions. All these measures have the common feature of imposing substantive requirements on SIFIs. They can therefore be distinguished from regulating governance, an alternative approach that seeks to prevent systemic failures by reforming corporate governance.

This policy brief argues that these types of substantive requirements are subject to important limitations and cannot by themselves adequately curb excessive SIFI risk taking. Take, for example, capital adequacy requirements that have been imposed under the Basel Accords. The principal purpose of these requirements is to protect banks against unexpected losses.

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3 At the Cannes Summit, the G20 leaders endorsed a set of regulatory measures on SIFIs that reflect the greater risk that these institutions pose to the global financial system. Reforming national resolution regimes, higher capital requirements and more intensive supervision are among these measures. G20 leaders also reaffirmed their commitment to discouraging compensation practices that lead to excessive risk taking. At the G20’s direction, the FSB has developed international standards and best practices in all these areas. However, none of these measures have taken into account the governance distortions that led to excessive risk taking in the first place. See “Cannes Summit Final Declaration” (4 November 2011), online: <www.fsb.org/wp-content/uploads/g20_leaders_declaration_cannes_2011.pdf>; FSB, “Addressing SIFIs”, online: <www.fsb.org/what-we-do/policy-development/systematically-important-financial-institutions-sifs/>.


5 This policy brief was previously published by the T20 Argentina. The authors are both members of the T20 task force, “An International Financial Architecture for Stability and Development.”
not to curb excessive risk taking.\(^6\) In addition to being prone to gaming, firm-specific capital requirements concern the safety and soundness of individual banks and cannot therefore protect the integrity of the larger financial system.\(^7\)

Other regulatory responses, such as compensation reforms or contingent capital, seek to align managerial and investor interests, implicitly assuming that the investors themselves would oppose excessively risky business ventures. This assumption is, however, flawed because a SIFI can engage in risk-taking ventures that have a positive expected value to its investors but a negative expected value to the public.\(^8\) That is because much of the systemic harm from such a firm’s failure would be externalized onto the public, including ordinary citizens impacted by an economic collapse, causing widespread poverty and unemployment.\(^9\) This misalignment between corporate risk taking and the public interest is created by corporate governance law, which requires managers of a firm to view the consequences of their firm’s actions, and thus the expected value of corporate risk taking, only from the standpoint of the firm and its investors.\(^10\)

Traditional corporate governance is sensible for firms that are not systemically important and for decisions made in the ordinary course of business because managers cannot consider all small externalities in their decision making.

It cannot be justified, however, in the context of systemic externalities, which can impose significant economic harm on the broader public. To reduce systemic externalities, managers should have a duty to society (a public governance duty) not to engage their firms in excessive risk taking that leads to those externalities. So long as it does not unduly weaken wealth-producing capacity, regulating governance in this way would help to align private and public interests.

In the context of finance, regulating governance has another important advantage over regulating substance. Regulating substance often depends on regulators precisely understanding the financial architecture — the particular design and structure of financial firms, markets and other related institutions — at the time the regulation is promulgated.\(^11\) Because the financial architecture is constantly changing, that type of grounded regulation has value as long as it is updated to adapt to those changes. However, ongoing financial monitoring and regulatory updating can be costly and is subject to political interference at each updating stage. As a result, financial regulation of substance usually lags behind financial innovation, causing unanticipated consequences such as rendering regulatory requirements obsolete and allowing innovations to escape regulatory scrutiny.\(^12\) Regulating governance, in contrast, can overcome that regulatory time lag. If the firm is proposing to engage in a risky project that represents financial innovation, its managers either have the most current information about the innovation and its consequences or, to fulfill their governance duties, must try to obtain it. Regulating governance in this way can therefore help supplement the regulation of substance.

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8 Schwarcz, “Misalignment”, supra note 4 at 4.


12 This occurred in 2008, for example, when the pre-crisis financial regulatory framework, which assumed the dominance of bank- intermediated funding, failed to adequately address a collapsing financial system in which the majority of funding had become non-bank intermediated. Cf Julia Black, “Restructuring Global and EU Financial Regulation: Character, Capacities, and Learning” in Eddy Wymeersch, Klaus Hopt & Guido Ferrarini, Financial Regulation and Supervision: A Postcrisis Analysis (Oxford, UK: Oxford University Press, 2012) 3 at 13 (observing that “the system simply did not operate in the way that regulators, banks, and economists had thought it did. If you do not understand how the system works, it is very hard to build in mechanisms either for managing risk or for ensuring the system’s resilience when those risks crystallize”).
Proposal

In making corporate decisions, managers currently have a duty to the firm and its investors. To reduce systemic externalities, this policy brief recommends that managers should also have a public governance duty not to engage their firms in excessive risk taking that leads to those externalities. Because only SIFIs, by definition, could engage in risk taking that leads to systemic externalities, the public governance duty should apply only to managers of those firms.\textsuperscript{13}

To fulfill this duty, SIFI managers should assess and balance the public costs and private benefits of a risk-taking activity. Although a range of approaches is possible, this policy brief offers two examples of how managers can fulfill their duty: one subjective and the other more objective and ministerial. Managers following a subjective approach will assess and balance the costs and benefits of a risk-taking activity the same way that they consider and balance the relevant costs and benefits of any other corporate governance decisions. Their assessment and reasoning might, but not necessarily, be documented or explained.

While managers may prefer the subjective approach, as it would not change their current behaviour, this approach has three important drawbacks. First, given the serious social and economic consequences of a systemic collapse for the public, the decision-making process to mitigate systemic harm should be more transparent. Second, managers following a subjective approach may view private returns more favourably than they would view mitigating systemic harm. Third, while courts do not usually second-guess the decisions of managers, a subjective approach can be seen as increasing the risk of litigation. To that extent, managers themselves may prefer a more objective approach, which offers greater clarity on how the public governance duty should be exercised.\textsuperscript{14}

Now, consider how to draft a possible objective approach, using the generic example of a SIFI engaging in a risky project that could be profitable. The benefits of this project would be its expected value to the firm’s investors (usually shareholders), and the public costs of the project would be the expected value of its systemic costs. In principle, the managers should have sufficient information, or at least much more information than third parties, about valuing the chance of the project being successful, the value to investors from that success, the loss from the project’s failure and the chance of the firm failing as a result of the project’s failure. In contrast, valuing the systemic costs of a firm’s failure should be seen as a public choice, which could be based, for example, on the estimated costs of a government bailout to avoid a systemic failure. National governments could perform this estimate as part of the process of SIFI designation and thereafter periodically update it.\textsuperscript{15}

To ensure that the balancing does not unduly weaken corporate wealth-producing capacity, it should be designed to yield an economically efficient result. From a strict economic efficiency standpoint, the project would be Kaldor-Hicks efficient if its expected value to investors exceeds the expected value of its systemic costs.\textsuperscript{16} As a public policy matter, however, simple Kaldor-

\textsuperscript{13} Although this policy brief focuses on reducing excessive risk taking that causes systemic economic externalities, excessive risk taking can also cause other significant externalities, such as social and environmental harm, including climate change. For example, since the 1950s, the number of weather-related catastrophes, such as storms and floods, has increased sixfold, with total losses increasing fivefold since the 1980s to around US$170 billion today. A 2015 study by the Economist Intelligence Unit estimated that a 6°C rise in average temperature could cause US$43 trillion of losses worldwide. See the Economist Intelligence Unit, “The Cost of Inaction: Recognizing the Value at Risk from Climate Change” [2015] at 4, online: <www.eiuperspectives.economist.com/sites/default/files/The%20Cost%20of%20Inaction_0.pdf>.

\textsuperscript{14} Schwarcz, “Misalignment”, supra note 4 at 32.

\textsuperscript{15} A detailed discussion of how managers should assess and balance the costs and benefits can be found in ibid at 32–37. Although the beneficiaries of a project could include stakeholders other than shareholders, such as employees or suppliers, those benefits would be more diffuse and harder to quantify. Pragmatically, it makes sense to begin thinking about assessing benefits by limiting the scope to shareholder benefits.

\textsuperscript{16} Kaldor-Hicks efficiency is the practical standard used by economists. Robin Paul Malloy, Law in a Market Context: An Introduction to Market Concepts in Legal Reasoning (Cambridge, UK: Cambridge University Press, 2004) at 190. A project is Kaldor-Hicks efficient if its overall benefits exceed its overall costs, regardless of who bears the costs and who gets the benefits (ibid). Kaldor-Hicks efficiency implicitly assumes that the distribution of benefits and costs is not controlled by the party — in this case, a firm’s managers — also controlling the decision whether to engage in the project (ibid at 190–91). But those managers do not completely control the distribution of benefits; the public usually benefits, at least indirectly, from corporate risk taking that benefits investors.
Hicks efficiency may be insufficient because the magnitude and harmful consequences of a systemic collapse, if it occurs, could be devastating. Thus, it may be appropriate to establish a margin of safety, for example, by requiring that the expected value to investors considerably exceed the expected value of systemic costs.\textsuperscript{17}

**Implementation and Enforcement**

A public governance duty could be legally imposed in different ways. For example, national courts in G20 jurisdictions could create such a duty through judicial decisions, or national legislatures could amend their corporation laws to require such a duty. Given that changes in corporate governance law can have profound public policy implications and ultimately change the fabric of capitalism that a society chooses to embrace, this policy brief prefers that G20 leaders call for legislative reform in member jurisdictions, allowing for an open public debate on relevant social and political factors.\textsuperscript{18} The appendix to this policy brief proposes model language for legislating a public governance duty, which could be used as the starting premise for G20 leaders and their national constituencies.

The next question is who should enforce the public governance duty. Traditionally, corporate governance law has relied on shareholder derivative actions as the primary enforcement mechanism. Shareholders, however, would likely have no interest in suing managers for systemic economic harm. Thus, governments by default should have the right to enforce the public governance duty. To facilitate better monitoring, regulation implementing the public duty should also include whistleblower incentives, including anti-retaliation protection for managers or others involved in the risk assessments who inform national authorities of their firms’ non-compliance, and possibly monetary awards. Operational-level grievance mechanisms that operate independently from management and are directly accessible to a broader range of stakeholders, such as employees, might provide another important avenue for enforcing the public governance duty.\textsuperscript{19}

\textsuperscript{17} See Cass R Sunstein, “Beyond the Precautionary Principle” (2003) 151 U Pa L Rev 1003 at 1014 (discussing this form of the precautionary principle, under which “[r]egulation should include a margin of safety, limiting activities below the level at which adverse effects have not been found or predicted”).


Appendix: Model Regulatory Language for a Public Governance Duty

Public Governance Duty Act

Section 1. Title
(a) This Act may be cited as the “Public Governance Duty Act.”

Section 2. Definitions
(a) Except as otherwise specifically provided in this Act, the following definitions shall apply:

(1) The term “business judgment rule” means the legal presumption that a firm’s managers should not be personally liable for harm caused by negligent decisions made in good faith and without conflicts of interest.

(2) The term “director” means a member of a systemically important firm’s board of directors or such other senior manager who shares or otherwise has ultimate responsibility to manage the firm.

(3) The term “fail” means that a firm admits in writing its inability to pay its debts; or makes a general assignment for the benefit of creditors; or becomes subject to a bankruptcy, insolvency, winding-up, liquidation, or other similar case or proceeding; or otherwise ceases normal business operations due to financial distress.

(4) The term “public governance duty” has the meaning set forth in Section 3(a) of this Act.

(5) The term “systemically important firm” means a firm that has been designated as systemically important by [name of applicable governmental body that is authorized to make that designation].

Section 3. Public Governance Duty
(a) The Public Governance Duty. In addition to the duties a director may have to shareholders or other stakeholders, each director of a systemically important firm has a duty (“public governance duty”) not to engage the firm in risk-taking that, viewed at the time of such risk-taking and either itself or in combination with other factors of which such director is or should be aware, could reasonably cause the firm to fail unless such director (1) first performs one of the processes set forth in subsection (b) of this Section and (2) based thereon, determines that the firm should engage in that risk-taking.

(b) Process. For each risk-taking described in subsection (a) of this Section, a director shall perform the process described in either subsection (b)(1) or subsection (b)(2) of this Section.

(1) The director shall assess and balance the benefits and costs of such risk-taking, including potential systemic harm to the public, in the manner such director would lawfully assess and balance any other relevant benefits and costs when making a corporate governance decision;

(2) The director shall assess and balance the benefits and costs of such risk-taking, including potential systemic harm to the public, according to the following methodology: [...]

Section 4. Liability And Enforcement
(a) Liability. A director who violates the public governance duty shall be liable for up to [$250,000] per risk-taking.

(b) Public Enforcement. [Name of applicable governmental agency that is authorized to enforce this Act] (the “Agency”) may enforce this Act by [insert appropriate administrative and/or judicial legal actions that may be taken to impose liability or to restrain a risk-taking for which a director has violated the public governance duty].

(c) Private Enforcement. A person may bring a civil action to enforce this Act on behalf of and in the name of the Agency.

(1) A copy of the complaint and written disclosure of substantially all material evidence and information the person possesses shall be served on the Agency. The complaint...
shall be filed in camera, shall remain under seal, and shall not be served on the defendant until the Agency elects whether to intervene and proceed with the action.

(2) The Agency shall elect whether to intervene and proceed with the action within sixty days after it receives both the complaint and the material evidence and information referenced in subsection (c)(1) of this Section. Before the expiration of that sixty-day period, the Agency shall (A) proceed with the action, in which case the action shall be conducted by the Agency, or (B) notify the court that it declines to take over the action, in which case the person initiating the action shall have the right to conduct the action.

(3) If the Agency proceeds with the action, it shall have full responsibility for prosecuting the action, and shall not be bound by any act of the person bringing the action. Such person, however, shall receive at least [fifteen percent but not more than thirty percent] of the proceeds of the action or settlement thereof, depending upon the extent to which the Agency determines such person substantially contributed to the prosecution of the action.

(4) If the initiating person conducts the action because the Agency declined to take it over, such person shall have the right to the proceeds of the action or settlement thereof. However, if the action is dismissed or the defendant otherwise prevails, the court may require such person to pay the defendant's reasonable attorneys' fees and expenses if the court finds that the action was clearly frivolous, clearly vexatious, or brought primarily for purposes of harassment.

Section 5. Defenses and Insurance

(a) Defenses. This Act shall not restrict the availability of the business judgment rule as a defense to liability, provided a director claiming that defense either (A) uses at least slight care when performing the public governance duty or (B) in good faith performs the process set forth in § 3(b)(2) of this Act.

(b) Insurance. A director who violates the public governance duty shall be personally liable for at least [ten]\(^\text{21}\) percent of any liability award or settlement against such director. Such personal liability may not be reimbursed, indemnified, or otherwise directly or indirectly paid or hedged by insurance (including directors and officers liability insurance) or any other means.

Section 6. Whistleblowing Rights and Obligations

(a) Each employee of a systemically important firm shall have the right, and each director of such a firm shall have the obligation, to report to the Agency any violation or potential violation of the public governance duty of which such employee or director has knowledge and to assist the Agency in an investigation of such violation.

(b) An employee or director who acts in accordance with subsection (a) of this Section, (1) shall not, on account of such action, be liable to any person under any law, rule, or regulation or under any contract or other agreement, and (2) may not, on account of such action, be discharged, demoted, suspended, threatened, or harassed, directly or indirectly, or in any other manner discriminated against, by such employee's or director's firm or by any other person.

(c) If the Agency finds, after notice and a hearing, that a director has willfully violated such director's obligation under subsection (a) of this Section, it may impose a civil penalty against such director of up to [$20,000].\(^\text{22}\)

Authors’ Note

The authors would like to thank members of the task force, as well as the anonymous reviewers of this policy brief, for their constructive comments.

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\(^{21}\) This number is merely suggested.

\(^{22}\) This number is merely suggested.
sent shockwaves throughout the European Union and the world.

*Complexity’s Embrace: The International Law Implications of Brexit*
Oonagh E. Fitzgerald and Eva Lein, Editors

An unprecedented political, economic, social and legal storm was unleashed by the United Kingdom’s June 2016 referendum vote and the government’s response to it. Brexit necessitates a deep understanding of the international law implications on both sides of the English Channel, in order to chart the stormy seas of negotiating and advancing beyond separation. *Complexity’s Embrace* looks into the deep currents of legal and governance change that will result from the United Kingdom’s departure from the European Union. The contributing authors articulate with unvarnished clarity the international law implications of Brexit, providing policy makers, commentators, the legal community and civil society with critical information needed to participate in negotiating their future within or outside Europe.

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