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ABSTRACT:

Since the 2007-08 crisis, banks in many countries have been facing what seems to be a serious “trust crisis”. This sharp decline in trust in banks and banking, the likely outcome of the near-collapse of banking systems during the crisis, is partly captured by a growing empirical literature. However, this literature presents serious shortcomings, which reflect a more general lack of theorization of trust in banks. This lack of theorization certainly has much to do with the distance between the economic literature on banks and banking and the sociological and economic literature on trust. This paper aims at bridging this gap by proposing a new conceptual framework. In particular, the paper identifies three related dimensions of trust that seem to have relevance for the banking industry: “relational”, “systemic” and “vertical” trust. While mainstream financial intermediation theory and agency theory provide a good understanding of relational trust, they are less well equipped to deal with the other dimensions of trust. The paper, therefore, builds on heterodox theories of money and debt to build a more comprehensive understanding of trust in banks. This tentative conceptual framework, in turn, has implications for current theories of banking and of trust.

KEYWORDS:

Trust; banks and banking; trust crisis; financial intermediation theory; institutional theory; money and debt, heterodox economics.
“Commercial credit may be defined to be that confidence which subsists among commercial men in respect to their mercantile affairs. This confidence operates in several ways. It disposes them to lend money to each other, to bring themselves under various pecuniary engagements by the acceptance and indorsement [sic] of bills, and also to sell and deliver goods in consideration of an equivalent promised to be given at a subsequent period.” (Thornton, 1802: 75)

“It is commonly supposed that bankers act only as agents or intermediaries between persons who want to lend and those who want to borrow. Bankers never act as agents between those who want to lend and those who want to borrow. Bankers buy money from some persons: and Rights of action from others: exclusively with their own Credit.” (MacLeod, 1889: 375)

Introduction

The 2007-09 global banking crisis has shed light on the peculiar problems of trust maintenance and erosion in banking. In the United States, post-crisis public opinion polls on “confidence” in banking have shown drastic drops in “trust”\(^1\); while in the United Kingdom, the long lines that formed outside of Northern Rock branches in the fall of 2007 seemed to epitomize the disruption of trust generated, presumably, by the crisis\(^2\). This problem – trusting banks – is not new, however; but perhaps public sensitivity is unusually high, which explains how, in the wake of the 2007-08 crisis, more recent scandals (such as the Libor-fixing scandal that erupted in 2012) have immediately raised the specter of a collapse of trust in banks\(^3\). As a matter of fact, in the wake of the crisis several economists have identified what they see as a “trust crisis” in banking (Sapienza & Zingales, 2012; see also Guiso et al., 2009; Mosch & Prast, 2008; Knell & Stix, 2010).

In addition, policy-makers and banking regulators seem readily tempted to embrace the

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\(^1\) These two terms are used interchangeably by Gallup pollsters / analysts, which of course does not contribute to clarify the issue. They are discussed in the next section.

\(^2\) Section 5 of the present paper discusses the problem of causality in the disruption of trust in banks.

\(^3\) See, for instance, “Public trust in banks ‘obliterated’ over scandal”, *The Independent*, July 2d, 2012.
rhetoric of trust as a key driver for regulatory oversight, as recent public remarks by the then Bank of England governor-designate indicate\textsuperscript{4}.

Trust, indeed, matters a great deal in the banking industry. One could argue, with Henry Thornton, that confidence is the real business of bankers (Thornton, 1802). Confidence (which we will equate for now with trust) is both a requirement for credit/debt transactions to take place – hence the expression “entrusting someone with one’s money” – and the main reason why honesty is a key requirement for bankers\textsuperscript{5}. As the future Bank of England governor argued in his February 2013 speech, restoring trust in banks is predicated upon ensuring higher integrity on the bankers’ part. This view certainly resonates with a widespread indictment of bankers’ “greed” as one of the main culprits of the crisis.

However, either due to its “taken-for-granted” nature or to the perceived elusiveness of the notion, trust has not often been studied in relation to banks. As mentioned above, in the wake of the 2007-08, a small but growing economic literature has tackled the issue. Yet, this literature, reviewed in the second section of this paper, presents serious weaknesses. In particular, it bases its findings on very crude or under-theorized notions of trust.

Trust, of course, has given rise to a prolific literature in various disciplines (psychology, sociology, political science, economics…). A general theoretical discussion of this concept does not fall within the scope of this paper. Rather, the present study aims at building on this vast and pluri-disciplinary literature to propose a framework for understanding and assessing trust in banks.

\textsuperscript{4}See “Carney warns of lack of confidence in banks”, \textit{The Financial Times}, February 25, 2013.

\textsuperscript{5}For instance, under current regulations the United Kingdom’s banking regulatory body, the Prudential Regulatory Authority, assesses the “fitness” and “property” of the future managers of the banks whose creation it authorizes. This “approved persons” regime is similar to that in place in many other countries following the shift from structural to prudential regulation of banks in the past decades.
The paper is organized as follows: section 1 briefly discusses the peculiar importance of trust in banking; section 2 reviews the empirical literature on trust in banks and discusses its methodological shortcomings; section 3, drawing on the general literature on trust in economics and sociology, discusses the theoretical problems raised by the empirical literature. Sections 4, 5 and 6 present the conceptual framework, by highlighting its three dimensions, called here “relational trust” (section 4), “systemic trust” (section 5) and “vertical trust” (section 6). Conclusions follow.

1. **Banks as “guardians of trust”**

In her seminal work on the institutional bases of trust formation in the XIXth century United States, Lynne Zucker argued that the rise of banks in particular and of the services industry in general corresponded to a shift from interpersonal to institutional forms of trust. In other words, at a time when the traditional bases for interpersonal trust in US society were eroding, trust was restored through the emergence of institutions such as banks (Zucker, 1986). A similar argument was made by Shapiro on a synchronic level (her analysis is not historical): when interpersonal trust does not work, impersonal trust can be exercised by “guardians of trust”, “a supporting social-control framework of procedural norms, organizational forms and social-control specialists, which institutionalize distrust” (Shapiro, 1987: 635).

Banks are especially well suited to be “guardians of trust”. As a matter of fact, the contemporary literature on banking justifies the existence of banks in the very situations where trust matters: in the context of future, risky investment (financial contracts) where uncertainties are high and the possibility of opportunistic behavior exists. These characteristics correspond to the existence of information asymmetries. Indeed, as Boot put it, the theory of information asymmetries helps distinguish “modern theories of
financial intermediation from the earlier transaction costs-based theories” (Boot, 2000: 8),
while Bhattacharya & Thakor argue, reflecting widely shared views among economists,
that “intermediation is a response to the inability of market-mediated mechanisms to
efficiently resolve informational problems” inherent to financial transactions
(Bhattacharya & Thakor, 1993: 14).

The specificity of banks, in other words, lies in the type of contractual mechanism used to
solve informational asymmetries. Modern theories, in particular, insist on banks’
“informational advantages” (with respect to markets) in reducing credit rationing (Stiglitz
& Weiss, 1983); acting as delegated monitors, and therefore reducing the cost of
monitoring borrowers sustained by lenders/depositors (Diamond, 1984); and undertaking
relationship lending, which also helps decrease information asymmetries and conjure both
adverse selection and moral hazard (Boot, 2000; Petersen & Rajan, 1994).

Relationship lending, in particular, epitomizes the survival of relational elements within
an institutionalized production of trust: In her study of XIXth century capitalism in the
US, Zucker notes that “while the economy as a whole became increasingly national,
banking became increasingly local” (Zucker, 1986:61). Relationship lending is also
typical of the specificity of institutionally produced trust, as opposed to interpersonal
trust. This is why it differs from the “re-embedding” strategies envisioned by Shapiro as
the possible responses to opportunism. Re-embedding consists in limiting principals’
relationships to “known agents” (Shapiro, 1987). Relationship lending, by contrast,
consists in creating long-term relationships with agents so that information asymmetries
are reduced.

Viewed in a longer historical perspective, contemporary theories of banking, by
emphasizing the importance of information asymmetries in explaining the emergence of
banks, implicitly compute a return back to the origins of modern banking theory when, during the early XIXth century, economists / practitioners such as Henry Thornton wrote of credit as confidence, as the quote above illustrates. Then, as now, trust was seen as a crucial component of banks’ business. No wonder, therefore, that the measurement of trust in banks has become the object of study of a burgeoning literature.

2. Measuring trust in banks: pitfalls of the empirical literature

This growing body of works is mostly empirical and – particularly since the 2007-08 crisis – focuses on identifying signs of a decline in trust. Most of the measures of trust used in this literature are measures of public opinion and perceptions – usually collected from other sources. Guiso et al., for instance, rely on the “Eurobarometer Surveys” (Guiso et al., 2009); while Knell & Stix draw on quarterly surveys produced by the Austrian National Bank to measure trust in banks (Knell & Stix, 2010). In the wake of the 2007-08 crisis, two US economists, Paola Sapienza and Luigi Zingales, have set up their own public trust index: called the “Chicago Booth/Kellogg School Financial Trust Index”, its mission is, according to their website, “to monitor the level of trust Americans have in banks, the stock market, mutual funds, and large corporations, and to regularly assess how current events, policy and government intervention might affect this trust”\(^6\). Data is gathered by a specialized firm through quarterly surveys of opinions of a “sample of 1,000 Americans”\(^7\).

Unsurprisingly, analysis based on these measures of trust seems to indicate that trust levels are very much influenced by “subjective” characteristics (see Knell & Stix, 2010; Guiso et al., 2009). In addition, bank staff’s “emotional intelligence” can be associated

\(^6\) See http://www.financialtrustindex.org/about.htm. Last access: January 15th, 2014
\(^7\) Ibid.
with a bank’s customers levels of trust (Hefferman et al., 2008). The same conclusion is reached by Gallup pollsters (Wood & Berg, 2011).

However, these indications are of limited use, given the methodological flaws these surveys suffer from. Their main weakness is the univocal characterization of trust; the most extreme example coming from Gallup poll questions (“do you have trust in banks?”). If, in other words, trust is understood as a general inclination or disposition, it is no wonder that “subjective” values influence trust. The same flaw characterizes general studies of trust that rely on similar measurement methodologies (Glaeser et al., 2000; Guiso et al., 2003; Wang & Gordon, 2011).

Moreover, and more problematically, these works implicitly rely on disputable theoretical assumptions, in particular on the exclusive understanding of trust as a property of either bank customers’ outlook or banks’ capacity to be trustworthy. As the Gallup pollsters put it in a recent note, “trust is more about what a bank is rather than what it offers” (Wood & Berg, 2011). More fundamentally, trust can be measured that way when it is defined in purely cognitive (or “intentional”, as Wang & Gordon, 2011, put it) terms; but then it becomes difficult to understand how trust can have any effect at all. Trust is merely an output (of certain social or transaction-specific mechanisms) that can be beneficial in a general sense.

3. From measures of trust to a theory of trust

This is where the existing empirical literature on trust in banks suffers from a deeper lack of awareness of (and engagement with) decades of theoretical and empirical work on trust done mostly but not exclusively by sociologists. In particular, despite continuing debates in the (sociological) theoretical literature on trust, three notions seem to be widely shared – all three at odds with the narrow view of trust implicitly conveyed by the empirical
literature cited above. The three notions are that (i) trust is behavioral as much as it is cognitive; (ii) trust is a social phenomenon; (iii) trust is not the property of individual transactions / relationships.

**Trust: cognitive AND behavioral**

From some economists’ point of view, the possibility for a transaction to take place (i.e. the whole basis of a market economy) depends on the exchange partners’ decision to “cooperate” (in a broad sense, that is: exchange goods, services and money); in turn, this decision to cooperate will depend on agents’ expectations about their partner’s future behavior; in other words, trust (Arrow, 1974). In the particular case of banks, depositors entrust banks with their money. Trust is cognitive, and expectations are a key component of trust besides risk and cooperation. Many theorists explicitly acknowledge this; for instance, Zucker defined trust as “a set of expectations shared by all those involved in an exchange” (Zucker, 1986: 2). Similarly, according to Möllering trust should be seen as a “state of favourable expectation regarding other people’s actions and intentions” (Möllering, 2001: 404).

Expectations are also especially relevant for a theory of trust in banks, since banks operate in a world of imperfect information (and, as pointed out above, banks may be viewed as devices reducing, but not eliminating, information asymmetries). Luhmann wrote of extrapolated information (“überzogene Information”) in the sense that trust implies acting on the basis of limited information and consciously ignoring missing information (Luhmann, 1968). This aspect strongly resonates with the old and contemporary theories of banking evoked above.

However, trust is not just cognitive. One should not confuse reasons for trusting with causes of trust (Nooteboom, 2006). Georg Simmel has been credited for being among the
first authors to have identified the disconnect between information and action - this “mysterious” element that connects interpretations and expectations (Möllering, 2001). Möllering further insisted on the Simmelian notion of a “leap of faith” as the missing link between information, expectations and action. Similarly, one may add, Luhmann saw trust as a “leap into a limited and structured form of uncertainty” (Luhmann, 1968); and Lewis and Weigert emphasized the “cognitive leap” (Lewis & Weigert, 1985) at the root of trust.

Yet, as Möllering argues, even if some influential works on trust seem to follow Simmel’s twofold argument (to trust, one has to have good reasons; and from them perform a leap of faith to reach a favourable state of expectations), they focus much more on the hermeneutic side of trust, emphasizing the reasons why people should trust each other (Möllering, 2001). For instance, in a series of influential works, Russell Hardin and colleagues put forward a view of trust as “reflected trustworthiness”, i.e. as belief about the trustworthiness or untrustworthiness of people or institutions (Hardin, 2002 & 2004; Cook et al., 2005). Other scholars have explicitly chosen a purely cognitive definition of trust. Wang and Gordon, for example, define trust as an “intention”, i.e. the “willingness from one party to expect another party (parties) to act competently and dutifully ‘in a risky course of action’” (Wang & Gordon, 2011: 584). This “willingness to expect” sounds as an incomplete understanding of the “cognitive leap” mentioned above, which consists in a decision to trust on the basis of expectations consciously founded on incomplete information.

By contrast, the view adopted here, following Möllering and others, is that trust is behavioural as much as it is cognitive. As Luhmann put it quite effectively, when trustful expectations (“vertrauensvolle Erwartung”) are not decisive in a decision, we are not in presence of trust, merely hope (Luhmann, 1968). Similarly, according to Piotr Szompka,
“the full expression of trust is not only my belief that a certain woman will be faithful, helpful, loyal, and so on, but the fact that I marry her” (Szompka, 2006: 909). From an apparently opposite point of view, Watson criticizes the shift in meaning undergone by the notion of trust as treated by Garfinkel in his 1963 article – from a “tacit and necessary precondition” to a set of “attitudes” (Watson, 2009), thus losing the sense of its connection to constitutive practices. Actually, the behavioral approach adopted here is paradoxically closer to the Garfinkelian notion of tacit understanding than it is to theories of trust as a disposition – precisely because it holds together the two ends of the “mystery” of trust as identified by Simmel.

Trust as a social phenomenon

One important detail in Zucker’s definition, given above, is the word “shared”. Indeed, the fact that for trust to exist expectations have to be shared is crucial in Zucker’s analysis – and in many other’s. In Garfinkel’s view, summarized by Watson, trust is a “background condition for mutually intelligible action” (Watson, 2009). This mutual intelligibility, perhaps more than the exchanges to which trust leads, is the true foundation of the social nature of trust. In other words, trust is a “social reality” (Lewis & Weigert, 1985) not so much because of the social nature of its realization (cooperation) than because of the shared expectations that gave rise to it.

Trust as a process?

A logical consequence of the acknowledgement of trust as a social phenomenon is to reject views of trust as a property of single transactions/interactions. The sharing of expectations involves, indeed, more than the two parties to an economic transaction. In the case of bank-depositor relationships, for instance, the depositor’s trust in his/her bank never only relies on past or present interactions with the bank’s staff; it always implies,
to a certain degree, expectations about the behavior of third parties, especially in a context of high uncertainty – be they other depositors, in the case of a bank run; or the lender of last resort. One could, at this point, adhere to the view of trust as a “process”, proposed by Nooteboom (Nooteboom, 2006). This view also works in favour of the conceptualization of trust in behavioural terms, as something that may be produced. Again, this view does not fit the implicit assumptions belying the empirical literature on trust in banks cited above.

For all its merits, however, the sociological literature on trust does not, as it is, offer a consistent conceptual framework for thinking about trust in banks. Banks and banking, it is assumed here, are very peculiar types of economic organization and activity. Therefore, an appropriate conceptual framework should mirror this specificity. As a matter of fact, as will appear in the last section, thinking about trust in banks might yield useful insights for the general literature on trust.

The following sections propose thus a tentative conceptual framework, in line with the view of trust as a multilevel phenomenon, endorsed by several authors (Wang & Gordon, 2011; Curral and Inkpen, 2006). In particular, the various dimensions of trust identified in the next sections are seen as inter-dependent and “co-evolving”, in line with the arguments set forth by Curral and Inkpen (2006).

4. “Relational” trust in banks

As seen in previous sections, contemporary banking theory converges with the analyses of Zucker and Shapiro to consider banks as financial intermediaries specialized in reducing information asymmetries – or in producing trust. Others are less optimistic. For instance, according to Chamley et al., the 2007-08 global banking crisis “exposed ‘trust me banking’ for what it is – a system that no one can really trust because no one external
to the banks can verify what the banks really hold and no one external can have access to this information because of the claim that it is proprietary” (Chamley et al., 2012: 3).

This general claim about the banking industry yields an important insight for the first level of enquiry into the specific issue of trust in banks, proposed in the present paper. The relationship between a bank and its depositors (for instance) can be conceived as an agency relationship. We find ourselves in the same situation envisioned by Shapiro when she asks, who can trust the guardians of trust? Indeed, while the existence of banks can be justified on the grounds of a reduction in information asymmetries, banks generate information asymmetries of their own. And, as Shapiro points out, agency relationships proliferate especially in situations where principals have little access to information / little capacity to process and analyze that information (Shapiro, 1987).

In this context, given the complexity of banks’ businesses, and the multiplicity of a bank’s stakeholders (owners, managers, depositors, borrowers), trust can be seen as the outcome of a multifold strategic interaction. The question then becomes whether individual banks and/or organizational forms are more or less successful at reducing agency costs (i.e. fostering trust). Here again, agency or contractual views of trust strongly resonate with mainstream theories of banking. If these theories draw on information asymmetries to explain the existence of banks (as opposed to financial markets), there is a second tier of theories that aim to explain the impact of differences in banks’ organizational forms in banks’ abilities to minimize agency costs. In other words, banks elicit different degrees of trust on the basis of their governance characteristics – or agency arrangements, which, according to Shapiro, “serve as a temporal conduit, connecting relevant past events and future contingencies with present resources” (Shapiro, 1987: 628).
One may call “relational” trust this particular dimension of trust, whereby principals may choose between a variety of agents on the basis of agents’ capacity to lower agency costs (that is, they offer less opportunities to exploit information asymmetries to their advantage). Relational trust is mostly synchronic and produced by specific governance arrangements. Relational trust can differ across transactions; and different organizations (the agents) may elicit different degrees of trust from their customers (the principals). In the case of banking, then, relational trust may vary from one banking organization to the next for reasons that have to do with the governance arrangements associated with different types of banks.

However, trust in banks cannot be reduced to this relational dimension, for at least three reasons. First, an agency-based view of trust misconstrues the latter as a set of dispositions / attitudes attached to one or both exchange partner(s), thus overlooking the relational and process nature of trust, which, as argued previously, should instead be central in our understanding of trust. Secondly, there is no reason why contractual obligations and governance arrangements should be the only bases of trust. Zucker has shown how trust can be produced by contracts (Zucker, 1986); similarly, Bradach & Eccles have argued that trust, price and authority are not mutually exclusive mechanisms, but can be combined within and across firms (Bradach & Eccles, 1989). Within this perspective, trust may arise out of norms of obligation and cooperation: norms of fairness, for instance; or norms transferring obligations from one realm to the other.

Third, and perhaps more importantly, the reduction of trust to its relational dimension would imply accepting the notion that trust may emerge in and characterize single, bilateral interactions separate from each other. Zucker criticized such transaction-based views of trust that consider only separate transactions. While trust may indeed arise out of separate transactions in various industries, it is certainly not the case in banking.
Banking transactions, be they debit or credit transactions are not separate from one another: each transaction between a bank and its customers is really a transaction between banks. In addition, banks are creators of money – each banking transaction has a money creation side that implies the acceptance of money as universal equivalent. In other words, a single banking transaction implies the very social acceptance of an economy-wide unit of account. For these two reasons, the nature of banking lends itself, better than any other industry, to the social dimension of trust discussed in section 3 – what we call, in the next section, systemic trust.

A related weakness of the relational reduction of trust lies in the issue of infinite regressions: as Shapiro argued, the more the control provided by impersonal trust mechanisms, the more the opportunities of abuse of trust, thus creating an “inflationary spiral of escalating trust relationships” (Shapiro, 1987: 652). Governance arrangements, therefore, which are the key determinants of “relational” trust, do not put an end to the process of trust; and any understanding of trust must go beyond them.

For all these reasons, trust in banks does include, but is not limited to, a relational component linked to governance arrangement. As is argued in the next section, observation of banks and the banking industry actually sheds light on another key component of trust, which fully reveals its nature as a “total social fact”.

5. Systemic trust in banks

a. Bank runs

The long lines that formed outside of Northern Rock branches in September 2007 were undeniably the sign of a disruption of trust; however, as Shin has argued, it was the bank’s failure that caused a bank run rather than the other way round (Shin, 2009). One may add that the bank’s failure, provoked by the collapse of its standing on wholesale
money markets, is a modern version of a bank run whereby those who run first are not retail customers, but wholesale money lenders. The specific case of Northern Rock notwithstanding, bank runs represent episodes of disruption of trust in banks that reveal the systemic nature of trust in banking. Bank runs have been frequent during the 2007-08 crisis. One could mention depositors’ run on Washington Mutual, for instance, among the largest in recent US history (see Grind, 2012). Bank runs are also useful for our purpose in that they fit the second indirect way to measure trust indicated by Zucker – i.e. assessing group reactions to disruption of trust (Zucker, 1986). More importantly yet, bank runs shed light on a component of trust that is not transaction-specific or, as argued before, relational.

One characteristic of retail banking is the guarantee to get one’s money back on demand. This “gives each creditor more assurance of recovery if she sees smoke before other creditors see fire, but less assurance of getting paid back if all creditors see smoke at once and simultaneously rush to withdraw” (Chamley et al., 2012: 2). There is a collective action problem that has to do with trust – but a kind of trust not captured by the relational view exposed above. Bank runs do not manifest the irrational exuberance of banks’ clients; rather, they show agents’ rational expectations about the way banking works. In other words, it would be mistaken to see bank runs with the exclusive lenses of social psychology - as the manifestations of collective irrational behavior verging on panic. Indeed, while irrationality might and often does play a role in the process of the disruption of trust, the potential for bank runs is inherent to the very nature of trust in banks.

In fact, the literature on bank runs explicitly distinguishes cases of panic from “information-based bank runs” (Jacklin & Battacharya, 1988). Again, while the process of the disruption of trust within bank runs might evolve along socio-psychological lines
far away from economic rationality, which lead several authors to focus on the mechanisms of contagion (see, for instance, Saunders & Wilson, 1996, and Iyer & Puri, 2008), the main reason for the disruption of trust in banks as expressed in a bank run has to do with the depositors’ expectations about how the bank may fare in the immediate future. These expectations are “reflexive”, in that they are expectations about other agents’ expectations. Most works in the literature on bank runs share this view, even if some emphasize information asymmetries among depositors, arguing that bank runs occur on the basis of information accessed by certain groups of depositors – information showing that the bank’s health is deteriorating (Jacklin & Bhattacharya, 1988; Chen, 1999). Several authors have treated information asymmetries as secondary, focusing instead on coordination problems among depositors (Diamond & Dybvig, 1983; Postlewaite & Vives, 1987; Goldstein & Pauzner, 2005; Rochet & Vives, 2004).

In this case, by contrast with the cases envisioned by Zucker, the extension of disruption of trust across transactions does not imply an “attribution of intentionality” (Zucker, 1986: 10). Rather, bank runs occur as an endogenous process of trust disruption, by opposition to exogenous factors (i.e. factors exogenous to the nature of economic exchanges) emphasized by Zucker (1986). Again, this does not mean that no exogenous factor may play a role in a bank run: that would be a ludicrous claim, given the importance changes in external conditions have had in provoking bank runs in many instances (such as in the case of the bank runs on Washington Mutual, which were clearly spurred by growing uneasiness, among depositors, around the extent of the bank’s exposure to subprime mortgage lending at a time where mortgage markets were collapsing; see Grind, 2012). What is meant here is that the specific case of disruption of trust embodied in bank runs might occur precisely because trust in banks is not simply relational; it is, equally, systemic.
b. Systemic trust as reflexive and reliant on shared expectations

Systemic trust, i.e. the second dimension of trust in banks and banking, has four key characteristics: (i) it characterizes the whole banking system, rather than individual banks; (ii) it is reflexive; (iii) it relies on shared expectations; (iv) it emerges along chained transactions/interactions. The reflexivity of trust was noted by Luhmann who called this characteristic “trusting trust” (Luhmann, 1968); similarly, in the words of Bradach & Eccles, trust “possesses a self-fulfilling quality: the existence of trust gives one reason to trust” (Bradach & Eccles, 1989: 107). In his discussion of “trusting trust”, Luhmann also recalls Parsons’ observation about money: “the rational ground for confidence in money is that others have confidence in money”. The self-fulfilling dimension of trust in banks has, it seems, a strong connection to the nature of confidence in money. This connection consists in two elements: (i) the nature of money as a form of debt (or credit); and (ii) the fundamental role played by confidence in the functioning (the stability) of both the monetary and the banking system.

Confidence is consistently overlooked in mainstream monetary theory: it emerges (or not) after money has been issued; it is not constitutive of what money is – essentially, a means of payment exogenous to the world of exchange. By contrast, in heterodox economic theories, confidence is central to the functioning of the monetary system precisely because money is endogenous; and money is endogenous in part because it is created by (private) banks. This was the point made by “traditional” Keynesians in the 1960s (see Tobin, 1963) and Post Keynesians later (see Minsky, 1986).

However, a perhaps more useful analysis of the mechanism of monetary confidence (and therefore systemic trust in banks) is provided by another brand of heterodox monetary theories, namely the “mimetic” approach put forth by French regulationists Aglietta and
Orléan in a series of works (Aglietta & Orléan, 1982, 1998 & 2002), building, in part, on Georg Simmel’s theory of money. While banks are viewed here as “guardians of trust”, money can be seen, following Aglietta and Orléan, as the institutional solution to the potential violence unleashed by mimetic desire (Aglietta & Orléan, 1982). From this point of view, the problem represented by “trust in the guardians of trust” is very similar to the one raised by confidence in money. The reflexive nature of confidence and of systemic trust implies that individual behavior (e.g. the behavior of bank clients) is primarily social in the Weberian sense of the word - which, again, reduces the relevance of transaction-based views of trust, at least when applied to banking.

The other two characteristics of systemic trust in banks – shared expectations and chained transactions – also characterize confidence in money. Shared expectations lie at the root of theories of bank runs based on coordination problems, as argued in the previous section; they are also what gives rise to the possibility of money in the first place, according to Aglietta and Orléan (2002). Of course, shared expectations are central in several theoretical accounts of trust. Zucker, in particular, identifies two kinds of expectations that give rise to the possibility of trust: constitutive expectations, which are tied to the specific interaction between the trustful principal and the trustworthy agent; and background expectations, which commands certain kinds of rule-like behavior in various social settings (Zucker, 1986). In the cases of banking and money, these two types of expectations are strongly related.

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8 In a nutshell, Aglietta & Orléan, drawing on both René Girard’s literary studies and anthropological works on money, argue that the causality posited by neo-classical economists, i.e. that money arose as a means to facilitate exchange, should be turned upside down: money is the necessary condition for exchange to occur, because exchange partners are not, as assumed by mainstream economists, individuals with different preferences seeking to coordinate their behavior; they are, on the contrary, individuals moved by the desire for the same object (since, according to Girard, most desires are mimetic) and their rivalry, in a world without money, would lead to destructive violence.

9 “Action is ‘social’ insofar as its subjective meaning takes account of the behaviour of others and is thereby oriented in its course” (Weber, 1978: 4).
Finally, as shown in the case of bank runs, banking transactions are not separate—therefore, disruption of systemic trust can “cascade” down a chain of transactions or bank relationships. Similarly, confidence in money brings about the externality of money as a means of payment: the more economic agents will use a particular monetary means of payments for their transactions, the more other agents will use it. The “chained transaction” characteristic of systemic trust is a logical consequence of its reflexive characteristic.

Systemic trust is circular (or reflexive), which means it is always prone to be disrupted—or, in other words, confidence in banking is in permanence susceptible to be shaken, because of the working of banking itself. In yet other words, systemic trust is unstable and needs an external anchor. Again, this reasoning is similar to that followed by Aglietta and Orléan in their works on money. As noted by Orléan, the “relational” forms of trust identified with governance mechanisms and agency conflicts do not suffice to explain aggregate clients’ behavior. Such behavior is often reduced to a “pure immanent logic” by mainstream economic theory (Orléan, 1995); yet, contractual solutions to agency problems cannot fully satisfy the economist desirous to establish the absolute immanence of economic transactions, precisely because they involve a third party. Reputation, viewed by some economists as a corrective mechanism (Kreps & Wilson, 1982), actually suffers from the very same flaws.

The only way economic exchanges can work, according to Aglietta and Orléan, is through the dual process of election and exclusion of money (i.e., its institutionalization) as unit of measurement of goods and services’ value (Aglietta & Orléan, 1982; 2002). Once money has been identified as the “pure quantity” against which all goods are

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10 That is why responding to the problems of trust disruption by seeking to avoid trust altogether and relying instead on perfect information, as advocated by Chamley et al., is illusory (Chamley et al., 2012).
valued, it is accepted. Acceptance of money has two sides, however: it obliges users to accept seigneurage; and monetary authorities must ensure that money is legitimate. As a result, money users are both accepting and legitimizing money.

But a fundamental difference between money, as an abstract representation of social needs and social wants (a universal equivalent) on the one hand; and banks as organizations, on the other hand, lies in the fact that banks cannot be elected/excluded: as firms/organizations, they fully participate in the working of the social world. Thus banking needs a mechanism that substitute the election/exclusion mechanism in the case of money; in other words, trust in banks cannot be complete without a transcendental element, which we call here vertical trust.

6. Vertical trust: the role of authority and history

a. Uncertainty, risk and trust

Risk and uncertainty about the future are two key components of trust acknowledged in most of the theoretical literature on trust. According to Luhmann, trust becomes necessary in cases of “risky investment” (Luhmann, 1968). On the other hand, as Shapiro put it, “only strategies that virtually eliminate agency and uncertainty are functional substitutes for trust” (Shapiro, 1987: 636). It is because of this uncertainty about the future (agent’s behaviour) that there is a risk that the agent will not perform as desired/required by the principal – therefore, in order for the transaction to take place, the principal will have to trust the agent. Uncertainty lies in future events outside of the transaction/interaction; in the future behavior of the agent; and, as noted by several authors, it is produced by trusting behavior itself (Bradach & Eccles, 1989; Luhmann, 1968).

11 Interestingly, some recent works on bank runs have suggested to view the latter not merely as coordination problems, but as sudden increases in “uncertainty aversion” (Uhlig, 2010; Epstein, 1999).
Uncertainty and risk, however, have been understood in very different ways, which has bearing on our analysis of trust - “a theory of trust presupposes a theory of time”, Luhmann wrote (Luhmann, 1968). For neo-classical and transaction cost economics alike, risk consists in “exposure to probabilistic outcomes” (Williamson, 1993: 466). Uncertainty, in other words, can be calculated away. There is, here, no real difference between the future and the present; mainstream economists do not have a “theory of time”. Some sociologists seem to subscribe to this view too. For instance, Gambetta writes that trust lies in “the probability that [someone] will perform an action that is beneficial or at least not detrimental to us is high enough for us to consider engaging in some form of cooperation with him.” (Gambetta, 1988: 104). For heterodox economists, on the other hand, uncertainty is of the “Knightian” type, i.e. not reducible to probabilistic risk. As Keynes wrote, future events “can only be forecasted with more or less confidence”; significantly (for our present purpose), Keynes called the state of “psychological expectations” about future events the “state of long-term expectations” (Keynes, 1936 [1973]: 148). Building on Keynes, Minsky gave uncertainty the key role in the unstable dynamics at the heart of financial systems (Minsky, 1986).

Knightian uncertainty also underpins banking and money. As Commons has argued, banks, as providers of credit, give a present value to expectations about future income. It is this “futurity” that lies, according to Commons, at the heart of debt relationships – including money (Commons, 1934). Money, in fact, can be seen as “debt issued primarily to transfer purchasing power from the future to the present” (Wray, 1992: 301). The importance of “futurity” in banking has been acknowledged by early theorists of banking, such as Henry Thornton and Henry MacLeod; but it has been largely downplayed in more recent works within the financial intermediation theory, mostly geared towards understanding the role played by banks with regard to the reduction in information
asymmetries (as shown in section 1 of the present paper). An exception, in this regard, is the suggestion by Allen and Gale that one of the key functions of banking is to smooth inter-temporal risk (Allen and Gale, 1997). That is, banks are able to accumulate capital good times and use it in bad times. As Ayadi et al. point out, “Creating and unlocking reserves is a specific technique of risk management” (Ayadi et al., 2010: 108). This argument is an extension of the liquidity creation thesis (Diamond and Rajan, 2000), according to which access to refinancing at low cost and the ability of banks to enforce repayment or liquidate bad loans are key determinants of banks’ ability to create liquidity. However, while the liquidity creation thesis is pretty much a synchronic theory of banking, Allen and Gale introduce a diachronic element that overcomes the limitations of mainstream intermediation theory, and establishes a link with institutionalist or “chartalist” theories which placed uncertainty at the heart of their understanding of credit and money.

Yet this does not help us to make significant progress in our understanding of trust in banks. Banks, indeed, help reduce uncertainty about the future by giving a present value to expectations about future income and therefore providing a sounder basis for trust in commercial transactions. But this brings us back to one of the problems identified earlier by Zucker and Shapiro, and discussed in the first sections of the present paper: if, indeed, banks produce trust by reducing uncertainty, what does that tell us about trusting banks themselves? How can we trust the guardians of trust?

b. From hierarchical confidence to vertical trust

The discussion in section 5 has established that trust in money (and in banks) “is not an inter-individual relationship, but the relationship of each private agent with society as a whole” (Aglietta & Orléan, 2002: 104). Systemic trust (or confidence) is a key element of
the “institutionalist” or “chartalist” theories of money on which Aglietta and Orléan base part of their analysis. As seen above, Aglietta and Orléan have argued that money arises out of a dual process of election and exclusion. For money to work (as a third party “arbitrating” mimetic rivalry), however, agents need to have confidence in it. Confidence is the “unconditional acceptance of money”, according to the same authors; since it is both reflexive and unnatural (because not founded on an elusive intrinsic value of money), it is fragile; since it is fragile, it needs to be maintained. To be maintained, it needs an external anchor.

This is where monetary authorities play a key role. This crucial anchoring of systemic trust produced by regulatory institutions also helps stabilize uncertainty. This is something that economists who emphasize the role of trust and at the very same time seek to establish a strong negative connection between regulation and trust, even in banking, do not seem to understand (see, for instance, Aghion et al., 2010). Aglietta and Orléan call this element “hierarchical confidence”, and it is dependent on the authority of the State – after all, the history of money shows a close relationship between confidence/acceptance and sovereignty (see Aglietta and Orléan, 1998). In addition, money is not limited to private transactions: it is used by the State directly when it taxes and spends.

In Aglietta and Orléan’s analysis, however, “hierarchical confidence” is limited. In particular, it is “insignificant in front of the unleashing of rivalries triggered by the power of money” (Aglietta & Orléan, 2002: 105). Moreover, the power of hierarchical confidence is limited by the rise of the individual, which is, as Aglietta and Orléan argue along with many others (starting with Norbert Elias), concomitant with the affirmation of absolutist states. There is an individual form of confidence, which Aglietta & Orléan call “ethical trust”, that bounds sovereignty: “To be legitimate from an ethical point of view,
monetary policies must be in conformity to a monetary order, [which subjects monetary policy] to the primacy of the maintenance of the value of private contracts over time” (Aglietta & Orléan, 2002: 105-106). There is, in another words, a dialectical relationship between “hierarchical confidence” and “ethical trust”: none is self-sufficient, both depend on the other. This conclusion is in line with Aglietta & Orléan’s theory of (endogenously generated) money, whereby it (money) “proceeds from a diffuse and rooted confidence that is originally founded in mimetic adhesion” (Aglietta & Orléan, 2002: 102).

This view pits Aglietta and Orléan against authors linked to Chartalism, such as Georg Friedrich Knapp, who insisted, in apparent conflict with the endogenous view exposed above, on the state origins of money (and credit): “Money is a creature of law” (Knapp, 1924: 1). There are two ways Knapp himself reached to that conclusion: first, by observing the arbitrary nature of the choice of a means of payments by the prince/the State. Secondly, as Knapp pointed out, money is a form of debt; and, since the State plays a key role as the final guarantor of debt repayments, it is indeed the ultimate creator of money – and as such the main source of confidence in it. The differences of opinion held by Aglietta & Orléan, on the one hand, and by Knapp, on the other, have, it seems, a double origin. First, while Aglietta and Orléan analyze the genesis of money from a purely abstract perspective, Knapp’s analysis is firmly grounded in history; more precisely, in legal history, as he himself pointed out (Knapp, 1924). The historical key role played by the State in the transformation of debt and money seems actually compatible with the view of money as the outcome of mimetic rivalry. Secondly, it seems that Knapp and Aglietta and Orléan do not put the same emphasis on private credit as a source of money. Of course, Aglietta and Orléan, like most heterodox thinkers, acknowledge both the nature of money as debt and the historical role of private credit (i.e., banking) in creating money (see, in particular, their 1998 edited volume); but their
theoretical model does not leave room for banks; and, furthermore, downplays the importance of the State in banking transactions: “the debt-credit private relationship can become the vector of capital circulation that is only distantly dependent on monetary authorities” (Aglietta & Orléan, 2002: 142).

By contrast, Knapp recognized early on the role banks play in creating money, anticipating to a large extent the crust of Keynesian theories of banking sixty years later, while observing that this role leads to a very strong relationship with the State: “if at first we entirely disregard its relation to the State (which often comes in later), a bank is a private undertaking for profit, which carries on a strictly defined kind of business. But, because its activities are at the same time undeniably beneficial to the public, the State, with all its restrictions and supervision, takes pains to give them its powerful support.” (Knapp, 1924: 129).

Knapp’s views on banking and the State are echoed in John Commons’ writings, which should allow us to better grasp this “hierarchical” component of trust in banks. As Commons argued, banks operate in a regime of monetized debt: money creates a new regime of impersonal debt relations. Thus it is not socio-demographic change that undermines the bases of personal trust (Zucker, 1986), but the formation of modern capitalism is consubstantial with impersonal interactions; this gives confidence and/or trust an even more central role to play in capitalism.

Another major insight offered by Commons lies in his argument that commodification (of debt) and institutionalization (of money) proceeded hand in hand – they are two interrelated phenomena. On the one hand, indeed, what started as metallic money to pay tax and private debt eventually “ceased to be a commodity. It became an institution, namely, Legal tender, the collective means of paying public and private debts”
(Commons, 1934: 392). On the other hand, release from debt meant that the personal promise involved with repayment of debt should be abandoned, i.e. that the personal link between debtor and creditor should be severed. Until then, indeed, “a promise had been considered a duty to fulfil the promise only to the person to whom the promise was made. It was a personal matter. […] a promise to marry cannot even yet be sold to a third party. It would be slavery, peonage, or concubinage, under the guise of freedom of contract.” (Commons, 1934: 393) Instead, the promise to pay legal tender money could be bought and sold. This was, in Commons’ words, a lawyers’ invention. Indeed, Commons sees the emergence of a capitalist system based on monetized debt as the outcome of a process of legal transformation that was in part motivated by merchants’ desire to better enforce contracts (through the “parol” or “behaviour” contract, which appeared in common law in the XVIth century) and improve the negotiability of debt.

This analysis seems close to the arguments put forward by Knapp. The legal foundations of modern capitalism (and the credit system in particular) confer to the State a primary role in stabilizing expectations about the future12. In banking, both regulations and the existence of a lender of last resort fulfil that role. In modern economic theory Keynesians have, again, been forceful in arguing that, while banks are private firms motivated by profit (Tobin, 1963; Minsky, 1986), their ability to create money is kept in check by central banks since, as Wray put it, “prices do not serve as sufficient check on credit demand” (Wray, 1992: 305). In addition, as Minsky pointed out, central banks are the ultimate way to satisfy banks’ preference for liquidity.

In other words, banks’ ability to reduce uncertainty about the future (and create trust) is conditioned by a form of “hierarchical confidence” that is the outcome of a long historical…

12 This view also fits Pierre Bourdieu’s observation that the State operates as a principle of legitimate representation of the social world; and intervenes in the structure of temporality itself (Bourdieu, 2012).
process. We call “vertical trust” this form of confidence; and “synchronic” that form of vertical trust created by bank regulations and regulatory institutions.

c. **Vertical trust: diachronic elements**

The “synchronic” aspect of vertical trust seen above provides an anchor to systemic trust; and operates on the banking system as a whole. However, there is a second aspect of vertical trust that operates at the level of single banking organizations: we call this “diachronic vertical trust”. This form of trust is produced by individual banks’ history. Bank-client relations, indeed, are historically embedded; and the varying degrees of historical embeddedness of bank-client relationships might determine varying degrees of trust in particular banking organizations (types). For instance, the rooting of most European cooperative banks in a long, local history might be the reason why clients trust them more than joint-stock banks for returning their deposits on demand (see Butzbach and von Mettenheim, 2014).

**Conclusions**

This paper has presented a tentative framework to conceptualize trust in banks. Trust in banks has three dimensions; it is relational, systemic and vertical. As figure 1 shows, each of these three dimensions corresponds to a particular level and a particular basis of trust: relational trust is specific and combines cognitive and behavioural elements; systemic trust is general (system-wide) and also combines cognitive and behavioural elements. By contrast, vertical trust mostly relies on a cognitive basis. As argued above, vertical trust has two aspects: a synchronic and a diachronic one. Synchronic vertical trust is general: it
closely resembles the mechanisms that lead to the acceptance of money, and is generated by the functioning of general, State institutions. Diachronic vertical trust is specific, i.e. it is linked to specific organizational forms; it is rooted in the historical depth of bank-client relationships.

More importantly, perhaps, these different dimensions of trust are interrelated, as in Curral & Inkpen (2006). “Co-evolution” of trust consists, in banking, in a peculiar articulation of its various dimensions: relational trust in banks participates in building systemic trust; on the other hand, an erosion of systemic trust also affects relational trust. In other words, in a banking crisis bank customers start evaluating the comparative performance of their bank with more attention – relational trust is more fragile. Systemic trust, for the reasons seen above, is also fragile because of its reflexive nature – it needs a transcendent anchor, provided by synchronic vertical trust, i.e. bank regulations and state institutions. Finally, diachronic vertical trust is influenced by synchronic vertical trust: if, for instance, the banking sector is undergoing fundamental changes in its organization and functioning due to regulatory changes, and therefore synchronic trust weakens, bank customers will tend to put a premium on the bases for diachronic vertical trust, that is, value more an alternative anchor for their expectations, i.e. the historical embeddedness of their bank-client relationships. On the other hand, diachronic trust strengthens and feeds into relational trust.

The conceptual framework presented here is sketchy and needs to be fleshed out: in particular, there is a need for establishing a better connection between trust theory, as presented here, and measures of trust in banks. Finally, despite the peculiarity of banking, or perhaps because of it, a better understanding of trust in banks might yield interesting observations for more general theories of trust.
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References


Figure 1 - Articulation between the different levels of trust in banks

Bases of trust

<table>
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<tr>
<th>Levels of trust</th>
<th>Cognitive</th>
<th>Behavioural</th>
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<tbody>
<tr>
<td>Population level</td>
<td>Vertical - diachronic</td>
<td>Relational</td>
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<td></td>
<td>Vertical - synchronic</td>
<td>Systemic</td>
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Organization level