

Examining Ethnic Entrepreneurs' Funding Access in Post-Crisis Ireland

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Abstract

Purpose: Considering the growing number of ethnic-entrepreneurs in Ireland and the government's policy focus on Small-to-Medium Enterprises (SME), this paper explores ethnic-entrepreneurs access to external (bank) finance. Irish SMEs in general are heavily reliant on bank finance and following the global financial crisis (GFC) and Irish banking and property crises, they have experienced dramatic credit rationing. We explore whether the ethnic-minority SME in Ireland has experienced a similar funding gap and the extent to which their social capital inhibits their funding opportunities. **Methodology:** Thirty ethnic-minority entrepreneurs in the Midlands region of Ireland were surveyed and interviewed using a snowball sampling approach. **Findings:** The findings suggest that ethnic-minority SMEs have a significantly higher rate of credit refusal and have comparatively limited finance opportunities. Ethnic-entrepreneurs' social capital resources inhibited their funding preferences as suggested by the Pecking Order Hypothesis; in particular, their weak cognitive and relational resources negatively impacted their structural social capital in relation to formal bank-loan applications. Access to government entrepreneurial supports were also constrained by a dearth of social capital resources that manifested in a range of restrictions (fear of rejection, layers of bureaucracy, lack of adequate information, language barriers). **Value:** This paper uniquely sheds light on the ethnic-entrepreneur's awareness, understanding and in some cases, experiences of accessing bank finance, microfinance and other government supports in post-crisis Ireland. From this specific national experience, policy recommendations to more effectively support ethnic-minority entrepreneurs in accessing finance are identified and discussed.

Keywords: Ethnic-minority entrepreneur, access to credit, bank finance, pecking order hypothesis, social capital, credit rationing.

JEL code classification: G21, G28, D21, L26, J15, J7, J61.

Introduction

Given the importance of the SME sector in economic growth and sustainability in Ireland (Lawless and McCann, 2012) and the increasing population of ethnic entrepreneurs in Ireland (CSO, 2011), this paper explores the ethnic-minority SME sectorsources of finance in post-crisis Ireland. The economic context of this study is the aftermath of the Global Financial Crisis (GFC) in Ireland, where bank lending was severely disrupted. At this time, Holton and McCann (2012) found that Irish businesses did not apply for credit due to the belief that they would be rejected and that the loan/overdraft rejection rate of Irish businesses was the second highest in Europe. Moreover, the terms and conditions of Irish firms' bank financing, were among the tightest in the Euro area. In particular, the GFC had a dramatically negative effect on the volume of credit extended to the Irish SME sector (Holton, *et al.*, 2014). According to the Irish Small and Medium Enterprises Association (ISME), there was a 32 per cent reduction in demand for bank credit and an enduring high refusal rate of 52 per cent of credit applications by banks to SMEs that applied within the period of March – May, 2014 (ISME, 2014b). There is evidence that lending has improved since the GFC but securing credit continues to be challenging for SMEs. For example, banks adapted their approach and offered SMEs performance-dependant short term and/or restricted credit, as a gateway to more substantial longer-term funding (Trethowan, 2014b).

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While it is understood that the GFC was very harsh on the Irish SME sector, there is no specific information on how the crisis impacted funding requests by ethnic-minority small and medium sized entrepreneurs (hereafter eSMEs) post the GFC in Ireland. Therefore, this paper examines the case of the Irish eSME and their funding experiences at a point in time (2013/2014) when access to bank loans was problematic for the entire Irish SME sector (ISME 2013a; 2013b; 2014a; 2014b; 2014c).

Why is the study of ethnic-minority entrepreneurs important? The presence of eSMEs can contribute to the societal well-being, innovation and economic growth of a nation. eSMEs can create employment for their relatives, friends and acquaintances (Rath and Swagerman, 2011) and supply goods and services that local entrepreneurs could not or are less likely to provide (Portes, 1995). Furthermore, eSMEs acting as innovation agents, introduce new products and services and new methods of marketing (Wilpert, 2003), adding to the social and economic well-being of their adopted community.

According to Rath (2010) and Krieger (2011), ethnic-minority entrepreneurship is a growing phenomenon in Europe in recent times. This phenomenon is most evident in Ireland with strong economic growth (NíChonaill, 2009) heralding dramatic demographic changes, which can be attributed to Irish emigrants returning but also to new immigrants entering Ireland (Mottiar and Walsh, 2012). According to the Central Statistics Office (CSO), 11 per cent of the population in Ireland were immigrants in 2006 and despite the intervening GFC (2008 to 2012), the numbers of immigrants increased to 17 per cent of the total population by 2011 (CSO, 2011). According to the 2016 Irish Census, there were 347,233 non-Irish nationals in the labour force and in the same year, immigration figures were 82,300 of which 47,651 were non-Irish nationals (CSO, 2018). More recent figures show that asylum rates are still rising as, in 2017 Ireland had some 2,910 applications for asylum (CSO 2017a). It is expected that this rate of asylum seeking will significantly increase based on the figures for the first two months of 2018 (Lally, 2018). This rising immigrant population has brought with it a wave of eSMEs who continue to establish businesses in Ireland (CSO, 2011).

Amorós and Bosma (2014) found that despite the constrained economic environment post the GFC, the number of eSMEs establishing businesses in Ireland grew to its highest level in 2013, while the number of immigrants intending to set up a business in the following three years was at the highest level since 2010. Indeed, according to the Global Entrepreneurship Monitor Report (GEM) (Fitzsimmons and O’Gorman 2014), eSMEs in Ireland are more likely to set up businesses than their Irish counterparts as the early stage entrepreneurship participation rate amongst immigrant groups is now at 11 per cent compared to 8.8 per cent amongst the native-born population. This evidence suggests that Ireland is an attractive destination for immigration and for eSMEs.

Understanding exactly what is ‘*ethnic entrepreneurship*’ and how can it be distinguished from entrepreneurship in general is an important feature of this paper. There are several definitions of ethnic entrepreneurship, including immigrants who own businesses (Bager and Rezaei, 2000), who are not necessarily part of a minority group (Basu and Altinay, 2002). Masurel *et al.*, (2002, p.3) indicated that ethnic entrepreneurship is a broad concept and agreed with Bager and Rezaei (2000) that they were engaged in a business activity but by people who were of a ‘different ethnic or cultural origin than the indigenous population’. Chaganti and Greene (2002, p.1) posit that to define an ethnic entrepreneur it is dependent on his/her involvement in the ethnic community instead of ‘reported ethnic grouping’. Previous research is centred on ethnic minority groups in their host country, such as the Greeks in the United States, West Indians in the Netherlands or Vietnamese in Canada, (Juteau and Pare, 1996). The native-born ethnic minorities, for example Jewish or African Americans, or Indians in the Caribbean, are also included in the literature as ethnic-minority constituents (Ryan and Barclay, 1992). Considering the general thrust of this literature, we decided to include all ethnic-minority SMEs that are owned and managed by immigrants to Ireland. Therefore, this paper adopts the definition proposed by Cooney and Flynn (2008) where an ethnic entrepreneur is a foreign national who creates an enterprise in Ireland (ibidp.35).

In this context, this paper aims to explore the eSMEs experiences of raising external debt finance and their views on the SME-focused government initiatives, post GFC. This paper contributes to the under-developed body of academic research on the ethnic-minority SME sector in Ireland and the ethnic-minority entrepreneurship literature worldwide, by exploring the accessibility of bank and other finance, through the theoretical lens of the pecking order hypothesis (POH), mediated by social capital theory. By giving voice to the experiences of these eSMEs when sourcing funds, this paper can offer specific policy recommendations to support the ethnic-minority SME sector in Ireland.

A literature review: The Challenges of being an eSME

Waldinger *et al.*, (1990) suggested that the development of eSMEs is shaped by the existence of certain impediments to ethnic minorities, where necessity acts as the catalyst for entrepreneurship. Whether the impetus for ethnic entrepreneurship is opportunity or necessity, the eSME is challenged on many levels, including access to finance, market concentration and a deficit of management skills (Carter, *et al.*, 2015; Weight *et al.*, 2015). In relation to Ireland, eSMEs face similar difficulties and challenges, including access to capital, lack of or inadequate skills and competencies that are required to start a business (Cooney and Flynn, 2008; Birdthistle, 2012). Additionally, access to support services and knowledge of such services, language barriers and limited sales and marketing skills have been highlighted by Birdthistle (2012).

These challenges create barriers to eSME's business growth and diversification and consequently dampen their potential value to the economy and society in general. Focusing on credit availability for the SME sector, the lending environment (which includes the legal system, information infrastructures, bankruptcy laws, governance and tax compliance) can negatively affect the extent to which different lending technologies can be extended to SMEs and other businesses (Berger and Udell, 2006). Shimasaki (2009) suggested that this restriction is a lifetime career challenge faced by entrepreneurs. In comparison to their bigger counterparts, SMEs experience restrictions in terms of accessing credit due to information asymmetries and moral hazard associated with their limited asset base and fractured financial history (Stiglitz and Weiss, 1981).

Overall, the eSME literature records the sustained difficulty of accessing bank finance (Jones, *et al.*, 1994; Volery, 2007; Altinay and Altinay, 2008) which results in underinvestment and limited market and growth opportunities for this ethnic minority businesses (Jones, *et al.*, 2000; Bewaji, *et al.*, 2015). Relative to the mainstream SMEs, eSMEs have had more severe problems raising finance and hence relied upon "bootstrapping" as a financing strategy, even before the GFC (Irwin and Scott, 2010). An early study of Irish-based eSMEs found that accessing finance was the key challenge for eSMEs as they relied on bank loans as a key source of finance, in 2006 (Cooney and Flynn, 2008). The majority of eSMEs did not explore other external sources of finance (including state agencies) and their knowledge of external financing sources was limited to financial institutions and personal contacts. The most frequent reasons given by eSMEs for raising bank finance at that time, were to expand their product range and to enter new markets. As this study is based on 2006 data, prior to the GFC, there is a gap in our current understanding of how credit rationing affected Irish eSMEs.

Theoretical explanation of funding choices

The choice of funding sources in SME sector can be explained by the pecking order hypothesis (POH), (Myers and Majluf, 1984; Beck *et al.*, 2008). This hypothesis suggests that if internal equity and retained profits are insufficient for SME's funding needs, then external financing (such as bank debt/credit) is the next alternative, followed by equity funding as a final preference. In the Irish context, Mac anBhaird and Lucey (2010) confirmed the POH as the best explanation of funding choices in Irish SMEs pre GFC. In post-crisis Ireland, these financing preferences endured for Irish SMEs (Mac anBhaird, 2013; Mateev *et al.*, 2013), underlining the importance of bank finance (in comparison to equity) for Irish SME survival and growth. Specifically, Irish SMEs tend to rely heavily on (internal) retained profits and short-term debt, in line with POH predictions (Mac anBhaird and Lucey, 2011).

Given the nationalisation of Irish banks and the exit of international banks from the market post the financial and banking crisis (Trethowan, 2014a), the banking sector became more concentrated, which resulted in less favourable conditions for lending to SMEs (as predicted by Berger and Udell, 2006). Indeed, an examination of the SME credit provision in that time period confirmed that reduced credit availability was due to credit rationing rather than improved lending practices as claimed by banking institutions (McCann, 2011; Lawless and McCann, 2012). In recognition of the importance of SMEs as an economic engine of growth and recovery, Irish policy makers launched a finance initiative called Microfinance Ireland (MFI), to bolster the domestic economy and to foster entrepreneurial activities, post GFC. MFI is a not-for-profit lender that was established to deliver the Government's Microenterprise Loan Fundⁱ. Businesses with fewer than 10 employees and an annual turnover of less than €2m with commercially viable business proposals are the target SME group (Sunday Business Post, 2013).

Our understanding of the preferred funding choices of eSMEs through the lens of the POH does not consider the role of social capital in this process, even though social capital plays a decisive part in gaining access to important resources (Volery, 2007; Seghers *et al.*, 2012). The POH assumes that all funding preferences are made from an equal basis of access to funding choices and a universal understanding of funding alternatives.

Therefore, in addition to examining the funding choices of eSMEs post GFC, we also examine what role the eSME's social capital played in securing external debt finance after the GFC.

Funding choices as predicted by POH through a social capital lens

Social capital theory fundamentally proposes that actors and components within a wider environmental network (Lin, 2002) act as gatekeepers of tangible and intangible resources including access to finance (Nahapiet and Ghoshal, 1998; Tötterman and Sten, 2005). Indeed, Seghers *et al.*, (2012) have positively linked social capital with the entrepreneur's financing alternatives; stronger social capital is reflected in deeper knowledge of the financing opportunities available. Social capital networks are comprised of three key elements, namely network structure, participant cognition and relationships (Woolcock and Narayan, 2000). In this research, we examine eSME access to credit within the context of their entrepreneurial ecosystem, focusing on exploring and understanding if/how eSME's utilize social capital to access finance, in line with existing literature (Nahapiet and Ghoshal, 1998; Simsek *et al.*, 2003; Inkpen and Tsang, 2005; Tötterman and Sten, 2005; Fang *et al.*, 2010; Soetanto and van Geenhuizen, 2015)ⁱⁱ.

Both informal and formal structural dimensions of networks are critical to securing eSME funding. The structural dimension of a social network is characterized by the configuration, stability and durability of established informal and formal relationships (Oh *et al.*, 2004; Inkpen and Tsang, 2005; Tötterman and Sten, 2005). Informal networks are exemplified by the ability of an eSME to raise initial equity funding through family, friends and their additional informal relationships within the wider network. Hussain and Matlay (2007) underlined the importance of family and friends to the eSME and their preference for less structured forms of financing. We expect that for eSMEs, informal relationships are stronger than formal relationships and consequently their principal source of finance is derived from family and friends, as opposed to the POH's assertion that this funding choice is a preference for retaining equity control of their businesses.

The formal networks would be those relationships with external debt and equity providers, for example, banks, business angels and venture capitalists (respectively). Evidence indicates that entrepreneurs, who have a relationship with their banks, can reduce information asymmetries and expand their financing alternatives (Behr and Güttler, 2007; Seghers *et al.*, 2012). We expect that formal bank lending relationships are weaker for eSMEs in a post-crisis Ireland and that borrowing is not a dominant feature of the eSME funding portfolio. Under POH, this funding opportunity is assumed universally accessible to all SMEs, who meet the lending criteria.

The participant cognitive dimension of social capital refers to common goals, shared culture, languages and codes, evidenced in the common representations, interpretations, and perceptions among member actors in a social network (Simsek *et al.*, 2003; Inkpen and Tsang, 2005; Tötterman and Sten, 2005). Here, the eSME's cognitive links to their own ethnic communities are known as intra-ethnic networks. eSMEs may experience cognitive divergences between their goals, culture and language and the wider community, more specifically native-born providers of external funding within their inter-ethnic networks, (networks which occur between people of different ethnicities). Van Auken (2001) demonstrated how the knowledge base of the entrepreneur determined their funding choices; as financial alternatives may not be understood equally among SMEs. We expect that eSME to experience cognitive dissonance in relation to inter-ethnic networks, including external fund providers and government support agencies, in particular banking institutions and are less likely to engage with these funding opportunities.

Thirdly, the relational dimension refers to the extent to which members consider the needs and goals of other network members or actors (Feldman and Zoller, 2012). This concept includes member trust, norms, obligations and expectations, and the potential to establish and manage norms so as to enhance trust (Nahapiet and Ghoshal, 1998; Simsek *et al.*, 2003; Inkpen and Tsang, 2005; Tötterman and Sten, 2005; Fang *et al.*, 2010). Trust is central to cooperation and exchange of intangible resources such as information and therefore is core to the entrepreneurial ecosystem (Nahapiet and Ghoshal, 1998; Iansiti and Levien, 2004; Tötterman and Sten, 2005). From the perspective of the eSME, the differences in social and cultural norms between their ethnic minority communities and their host country can potentially hamper the development of trust, limiting access to important intangible and tangible resources. Therefore, the development of trust (a reduction in fear) between eSMEs and resource providers, through enhanced cognition of each other's cultures and expectations can enable stronger formal and informal network relationships. These different dimensions of social capital can scaffold support for resource acquisitions by the eSME. Conversely, any limitations in the cognitive and relational dimensions can weaken the structural dimension of the eSME's social capital.

In the context of the Irish policy focus on SMEs and the growing importance of the ethnic-minority SMEs to this Irish economy, the objective of this paper is to explore the funding choices of eSMEs in post-crisis Ireland, employing social capital theory to explain the presence of any potential deviations from the POH for funding sources of the Irish-based eSME. While native-born (Irish) entrepreneurs are outside the scope of this research, we endeavour to make comparisons to the wider SME sector by employing the contemporaneous ISME survey statistics on bank lending experiences of the Irish SME sector, to contextualise our findings for these eSMEs within the wider SME sector. We contribute to the existing literature on ethnic-minority entrepreneurship and eSME sources of finance, by focusing on the Irish-based eSMEs in a difficult credit environment post GFC, and exploring their social capital cache as a mediator of access to finance.

Sample and Methodology

The focus of this paper is on how eSMEs finance their businesses in post-crisis Ireland and whether social capital impacts their funding choices. Around the time of the study, the Irish census figures show that approximately 12 per cent of the population is characterised as ethnic minority (CSO, 2012). Within the Irish context, there appears to be similar levels of ethnic-minority entrepreneurship compared to other immigrant countries, with 12.6 per cent of the ethnic-minority population claiming ownership or part ownership of a business (Cooney and Flynn, 2008). This level of ethnic-minority entrepreneurial activity is higher than the general population with one in eleven (9.09 per cent) of the general adult population in Ireland engaged in some form of early stage entrepreneurial activity, according to the Global Report of GEM for 2013 (Amorós and Bosma, 2014).

All the surveyed and interviewed eSMEs for this study operate in the Midlands region of Ireland. By deliberately selecting the Midlands region, we focus on an impoverished region with a strong ethnic-minority presence and higher than normal unemployment. We are motivated to study self-employment as an alternative to unemployment in the Midlands, where there are weaker labour participation figures, especially for the migrant population. Unemployment in the Midlands is 25 per cent higher than the national average (Solas, 2017) and among the migrant population, it is 10 per cent higher than the general Irish population (CSO, 2018). Employment opportunities in this region consistently trailed all other regions in Ireland from 2007 to 2015 (Solas, 2017) and the Midlands had the least number of active enterprises (92.13 per cent of which were micro businesses) in Ireland at the time of this study. There was a gap between the median income for all workers in Ireland and median income for workers in ethnic communities in 2014: ethnic communities earned 14.6 percent less (CSO StatBank, 2017). Also, even among the employed, incomes in this region are the second lowest in Ireland (after the border region) in both 2013 and 2014 (CSO, 2015).

According to the Central Statistics Office, the population in this region consisted of 13 per cent non-Irish nationals in 2011, higher than the national average which would have included the large urban areas of Dublin, Cork and Galway (12.2 per cent) (CSO, 2012). From 2011 to 2016, the non-Irish population had grown in the Midlands: for example, there was a 9.1 per cent increase in Longford County with notable increases in some urban areas Edge worth town (32.3 per cent) and Ballymahon (32.1 per cent) (CSO, 2017b).

The focus of this paper on the Midlands is also motivated by previous Irish ethnic minority policy focus on large urban areas (Dublin, Cork and Galway) to the detriment of rural and smaller urban areas. For example, EMERGE (Ethnic Minority Entrepreneurship in a Rapidly Growing Economy) was a project that endeavoured to assist eSMEs in overcoming business obstacles and to function within the regulatory and cultural environment in large cities in Ireland (Dublin, Cork and Galway). This programme delivered training, mentoring and networking in those urban settings and also contributed to policy development via submissions made to the EU Green Paper on Entrepreneurship, the Small Business Forum and the consultation process on 'Immigration & Residence in Ireland' initiated by the Department of Justice, Equality and Law Reform, Ireland. This policy contribution was based on the experiences of ethnic entrepreneurs in the large cities in Ireland, and may not necessarily have captured the experiences of ethnic entrepreneurs in the more rural and smaller urban settings. Given this lack of policy attention, the paucity of employment opportunities and the increased non-Irish national population in this region, this paper aims to shed light on eSMEs' entrepreneurial activity and sources of finance by exploring the experiences of eSMEs in the Midlands.

A final list of 90 ethnic-minority entrepreneurs was drawn up from industry sources, social media, personal contacts, vendor recommendations, which focused on the urban areas of midlands Ireland, who met the sample criteria (definition of eSMEs).

The original smaller sample was then augmented using a snowball on-probability sampling technique, where existing study subjects were used to recruit future subjects from among their acquaintances. This technique is often used in hidden populations that are difficult for researchers to access, like this group of fringe entrepreneurs. These entrepreneurs were written to and then telephoned, to extend an invitation to participate in this that resulted in a final sample of 30 respondents.

Data for this paper was gathered through semi-structured interviews and survey questionnaires administered to 30 eSMEs in the urban midland's region of Ireland. The questionnaire included 34 questions, with a mixture of open-ended and closed-ended questions with the latter designed to elicit opinions based on a 5-point Likert scale. The questionnaire was divided into 3 sections, (general information, financing information, and opinions on finance and other supports available). The main body of the survey asked the eSME about their sources of finance, their experiences trying to secure bank loans, their awareness of initiatives like microfinance to fund their business and their perceptions of the key barriers of doing business in Ireland. The English-language questionnaire was also designed to gather the viewpoints of eSMEs on the present Irish business environment such as its tax regime and the various Irish government supports and programmes available to them. Each questionnaire took approximately 30 minutes to complete. Furthermore, semi-structured interviews were held to support the interviewees' understanding of the questions in the survey. The content of these semi-structured interviews is captured in the answers to the open-ended questions in the survey, completed in face-to-face sessions with the respondents. Finally, a semi-structured interview with Mr. Garrett Stokes, the Chief Executive Officer of MFI was conducted by telephone to discuss access to microfinance for SMEs in Ireland and in particular, the microfinance application successes of eSMEs in Ireland.

Limitations of the study

One of the challenges of this study was the language barrier between the respondent and the research instrument, where some ethnic owner/managers had very limited knowledge of the English language, making it difficult for them to respond to questions during the completion of the self-administered questionnaires and the interviews. This language barrier was overcome in many cases by the researcher explaining the questions in more depth on the spot (in plainer English, in different ways or sometimes translating the question). Care was taken not to influence or direct the respondents when filling out the questionnaire in these cases. The researchers were also mindful of the cultural differences among eSMEs as these may also create barriers; for example, a handshake with a prominent Islamic female owner-manager was not acceptable. The results of this study may not be wholly transferrable to the wider ethnic-minority community in Ireland as the small sample is restricted ethnic minority SMEs in the midlands of Ireland (a similar restriction is seen in Hussain and Matlay (2007) and Altinay and Altinay (2008)). Finally, the sampling method had the potential to introduce bias by recruiting respondents from within the same social circle of the respondents. By employing a variety of techniques to develop a population list, the sample was broadened, and this reduced this potential bias.

Sample description

Of the 30 respondents, four (13.3 per cent) were female and the rest were male, and they originated from six ethnic-minority groups (Polish, African, Middle Eastern, Serbian, Turkish and Pakistani) within the services sector. When compared to the Global GEM report for 2014, the Irish percentage of male and female Total Early Stage Entrepreneurship^{iv} (TEA), in comparison to the adult population, is 8.87 per cent and 4.23 per cent respectively (Singer *et al.*, 2015). This suggests that the percentage of male TEA entrepreneurs should roughly be double the percentage of female TEA entrepreneurs. The gender divide in this sample of eSMEs is quite different, with a much higher proportion of male entrepreneurs (7 times more) in comparison to the Irish TEA population. An earlier study (2006) of ethnic minorities by Cooney and Flynn (2008) also highlighted the gender skew towards males, in Ireland.

Findings

When asked about the internal and external sources of finance for their business, the respondents indicated that they secured funding to grow their business from five main sources (see Figure 1), and 10 of the 30 eSMEs had multiple sources. As we predicted, the main source of finance for eSMEs was friends and family, through their informal structural and relational networks in concert with Hussain and Matlay (2007). Some 70 per cent of respondents (21 of 30) sourced their capital from friends and family solely or in combination with other sources. Compared to Cooney and Flynn (2008, p.78) with funding of 30 per cent from friends and family, this source of finance has become the dominant source in post GFC Ireland in the midst of a credit crunch, among eSMEs.

Surprisingly, only one third of the respondents used their own savings when starting a business; this result contrasts with the findings of the Global Report of GEM that most Irish entrepreneurs use their own funds in conjunction with other sources to start their businesses (Amorós and Bosma, 2014). While 76 percent (23) of the eSMEs approached banks for external funding, only four successfully secured bank loans (13 per cent of respondents). According to Cooney and Flynn (2008,p.78), a comparable 60 percent of their eSME sample approached banks for funding and in the main were successful (78 percent). This result effectively relegates bank finance to a non-choice for Irish eSMEs. The majority that approached the bank for loans (53 per cent) sought external finance mainly for working capital needs like purchasing raw materials and recruiting staff, with one eSME wishing to purchase a franchise. The remaining funding needs (45 per cent) were for capital expenditure. This is contrasted with Cooney and Flynn’s (2008, p. 79) earlier findings, where eSMEs sought loans for growth rather than operational purposes (to enter new markets and expand their product range).

Finally, the state sponsored microfinance initiative was the second most successful external source of capital. To qualify for microfinance, the eSME must first apply for a bank loan and be refused that loan. Some 11 respondents (37 per cent of the sample) applied for microfinance and of those, 6 respondents secured funding (58per cent). The CEO of Microfinance, Mr. Garrett Stokes confirmed that on average 44 per cent of all microfinance applications from 2012 to 2018 (Microfinance Ireland, 2018) were approved for funding by MFI. That 44 per cent approval rate relates the time period 2012 to 2018(Microfinance Ireland, 2018) and the annual average approval rate for 2014 was 59 per cent, (Microfinance Ireland, 2015, p.7), which is comparable to the 58 per cent approval rate achieved by the respondents in this sample.

Within that 44 per cent approval group, Mr. Stokes states that almost 1 in 5 of all successful applicants (19 per cent) are eSMEs, which is evidence that eSMEs are successfully securing Microfinance in proportion to the mainstream SME sector (22 per cent eSME and 78 percent Irish SMEs)^v.The findings here indicate that Microfinance as a policy intervention was very beneficial for the Irish-basedeSME.

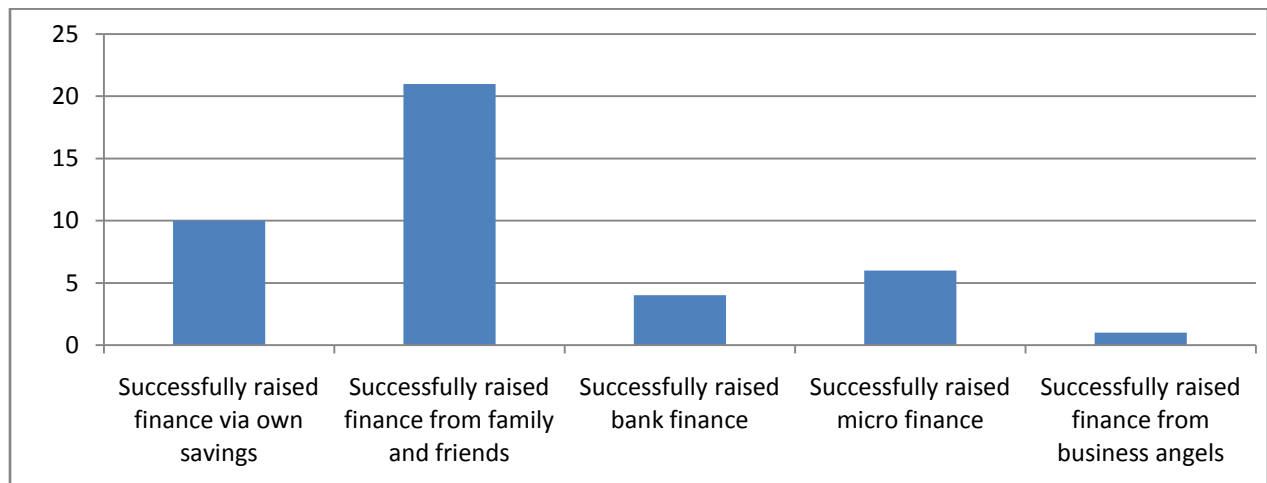


Figure 1.eSMEsSources of Finance 2013-2014

A comparison of the bank loan experiences of eSME and SME post GFC

Focusing on bank finance as a source of capital, we next examine whether the lending pattern to eSME was significantly different to the general lending pattern in the SME sector, at that time, post GFC. The results above suggest that 23 approached banks for finance and only 4 succeeded. This suggests that while the eSME had a need and appetite for external debt funding, debt as a funding choice was not readily accessible. Nineteen eSMEs (82.6 per centof the 23 that applied) indicated that they failed to secure a bank loan. This eSME bank loan refusal rate of 82.6 per cent in 2014 is double the reported contemporaneous average of a 42 per cent refusal rate of Irish SMEs (ISME, 2014c). Table 1 provides a statistical comparison of the results of the ISME Quarterly Bank Watch Survey and the results from this ethnic-minority sample. It is notable that the contemporaneous loan refusal rate trend for the general Irish SME population fell steadily for the previous five quarters, albeit marginally^{vi}. This general trend is statistically significantly different from theeSME refusal rate of 82.6 per cent and it paints a bleak picture for the funding opportunities for eSMEs.

While banks were refusing loans to small businesses across Ireland, this high refusal rate suggests there are major gaps in the eSME's social capital that prevent him/her securing external debt finance – a significant structural chasm (Burt, 2004) between the eSME and their potential external debt providers, indicative of structural, cognitive and relational social capital divergences (Granovetter, 1973). This high refusal rate is not related to a higher frequency^{vii} of bank loan applications from eSMEs as can be seen in Table 1, where the frequency of bank applications/approaches is like the main SME sector. This suggests that while the POH can be theoretically useful to explain funding choices, it is limited as it presupposes the universal capacity to choose and equal capability to access debt funding.

Table 1: Statistical comparisons (t tests) of Irish SMEs and Irish based eSMEs (2013-2014)

ISME BANKWATCH SURVEYS	ISMElast contemporaneous quarter ^a	ISMEAverage over 5previous quarters ^a	Ethnic Sample Average	Contemporaneous last Quarter Comparison		Previous 5 Quarters Comparison	
				<i>t</i>	<i>Sig.</i>	<i>t</i>	<i>Sig.</i>
Refused a bank loan in the entire sample	42%	51%	67%	2.818	0.009***	1.79	0.084*
Refused a bank loan for all those that applied for a loan	42%	51%	82.6%	-3.045	.006***	-4.159	.000***
Approached bank	88%	88%	86.7%	-.211	.834	-.211	.834
Agree that banks making more difficult to access finance	64%	63%	70%	.705	.486	0.823	0.417
Aware of the Credit Review Office	72%	70%	73% ^b	.162	.872	.406	.688
Aware of Micro Finance Scheme	40%	38%	37% ^b	-.372	.712	-.149	.883

^aSources: ISME (2013a), ISME (2013b), ISME (2014a), ISME (2014b), and ISME (2014c).

^bNote awareness of the Credit Review Office and of Micro Finance Scheme is proxied by opinions offered on the Credit Review Office and definite applications to the Micro Finance Schemes made by the respondents, respectively.

***Significant at the 1% level, **Significant at the 5% level, *Significant at the 10% level

In Table 1, the perceptions of the difficulty experienced by eSMEs when accessing finance from banks is statistically comparable to the wider SME sector in Ireland. The majority (52 per cent) of eSMEs, who agreed that banks are making it more difficult to access finance, were applying for loans of less than €10,000 for working capital funding needs. The funding requests for eSMEs ranged from €1,500 to €30,000, with 12 of the 30 respondents looking for less than €10,000 amounts and 18 respondents were trying to secure funding of less than €20,000. Only one eSME successfully secured a bank loan for an amount under €10,000, with 11 eSMEs in that range being refused loans, which translates into a success rate of just 9.1 per cent in that investment range, the lowest success rate for all investment ranges. This suggests that eSMEs that require funding for relatively small amounts, typically to serve working capital needs, are more than likely refused credit. This outcome supports the claim that Irish banks were rationing capital to SMEs in general, rather than the banking sector claim that demand had decreased (Lawless and McCann, 2012). Drilling down further into the responses here, the respondents that applied for loans for less than €10,000 expressed the greatest difficulty in relation to their experience when applying for bank credit, which suggests weaker structural social capital for this group. This indicates that the eSME sector and the banking sector are both failing in their efforts to bridge this structural gap in eSME social capital.

The eSMEs have a comparable awareness of the Credit Review Office (CRO) to the general SME sector (see Table 1). While their awareness is similar, this does not translate to loan appeal applications to the CRO. Only one ethnic minority respondent appealed their bank loan refusal to the CRO. At that time, the CRO reported that it upheld 56 per cent of all appeals in favour of borrowers, or at least with a commitment to reassess the lending (Trethowan, 2014b). This eSME stark figure indicates that the ethnic community perhaps does not have the requisite knowledge base to appeal a bank's negative loan decision, a weakness we suggest originates from their cognitive social capital.

On a positive note, the eSME success rate for securing microfinance is higher than bank finance, with 11 respondents applying for microfinance and more than half securing it (six respondents). This result suggests that the high loan refusal rate experienced by the eSME is somewhat offset by the availability of the government sponsored microfinance initiative. 11 of the 30 (37 per cent) respondents were aware of microfinance (see Table 1). This is statistically comparable to the contemporaneous reports of 40 per cent of SME sector being aware of the availability of microfinance, as reported by ISME (ISME 2014c). It also supports the notion that the difference in accessibility of external debt previously noted between eSMEs and native-born entrepreneurs, has been sidestepped by the necessary public provision of entrepreneurial capital, due to the private banking market failure in relation to eSME finance.

As keenly aware of microfinance as their native-born counterparts, eSMEs are successfully securing this source of finance. Microfinance offers eSMEs a funding alternative that does not overly penalise the eSMEs weaker financial and social capital positions. Indeed, Mr. Garrett Stokes, the Chief Executive Officer of MFI, confirmed in an interview that eSMEs are well represented amongst the small businesses applying for microfinance. According to Mr. Stokes, eSMEs account for 19 per cent of all SME loans approved by the Microfinance Ireland. Mr. Stokes also discussed the success of the outreach policy of MFI, whereby this not-for-profit organisation regularly meets ethnic minority groups and businesses to present and disseminate the Microfinance business funding model message. This approach to developing the relationship between SME sector and MFI has had a positive effect on the inter-ethnic networks between MFI and ethnic communities and businesses.

Barriers to funding post GFC for the Irish-based eSME

As noted above in Table 1, eSMEs perceive (in tandem with the wider SME community) that the banks in Ireland are increasing the difficulty in accessing finance. When asked through survey and semi-structured interviews about the difficulties associated with securing a bank loan, eSMEs highlighted a number of factors that impede access to bank finance. They include prohibitive interest rates (in an era of historically low interest rates), fees and commissions, the bureaucratic process involved, the burden of the terms and conditions and the necessity for collateral to secure a loan (see Table 2). In this section, we discuss these issues as identified by eSMEs and interpret them in light of three social capital dimensions that enable access to essential resources: structural, relational and cognitive.

Table 2: Tabulated eSMEs perceptions of barriers to securing bank finance (2013-2014)

	Perspectives on Barriers					Total N
	Biggest barrier	Somewhat a barrier	No opinion	Not really a barrier	Not a barrier	
Interest Rate Structure	9	8	6	4	3	30
	30.0%	26.7%	20.0%	13.3%	10.0%	100.0%
Process Involved	8	5	10	5	2	30
	26.7%	16.7%	33.3%	16.7%	6.7%	100.0%
Fees and Commissions	6	7	9	8	-	30
	20.0%	23.3%	30.0%	26.7%	-	100.0%
General Terms and Conditions attached	5	10	4	5	6	30
	16.7%	33.3%	13.3%	16.7%	20.0%	100.0%
Collateral	2	-	1	8	19	30
	6.7%	-	3.3%	26.7%	63.3%	100.0%

In Table 2, the obstacle identified as the most problematic for eSMEs, was the interest rate charged by banks to the eSME, with 17 (56.7 per cent) of the respondents indicating it was a barrier, to varying degrees^{viii}. In fact, three respondents, who perceived that interest rate charges were a major barrier, cited that this was the reason they did not seek bank loans (discouraged from applying for a loan, in concert with findings by Casey and O'Toole, 2014). Post the GFC given that the European Central Bank has kept interest rates at historically low levels (Jobst and Lin, 2016), the presence of prohibitive rates indicates that banks are charging higher premiums to the SME sector, especially to the eSMEs to compensate for the perceived higher lending risk associated with eSMEs and the general collapse of collateral values post the GFC.

These prohibitive rates reflect an asymmetric information gap between banks and eSMEs, and suggest that banks opt to charge more rather than invest in narrowing that gap by further developing relationship lending (enriching their social capital inter-ethnic networks with eSMEs), echoing Behr and Güttler (2007) and Seghers *et al.*, (2012). Equally, the findings suggest that eSMEs in this study have accepted the status quo and have not taken measures to bridge that gap with their lenders. The bureaucracy of the application process was the second biggest barrier identified by the eSME (Table 2). The formal means of communicating and applying for bank finance is a key stumbling block for the eSME. This represents a significant barrier for eSMEs approaching banks for loans and suggests that external bank finance is less accessible for this minority group, as overly-complicated loan application rules, precedents, and procedures as operationalised by banks intimidate eSMEs and emphasise their weak structural social capital.

The lack of collateral was not considered a barrier or not really a barrier for 27 of the 30 respondents (90 per cent). This is a surprising opinion on behalf of the eSME as Irish banks traditionally preferred collateral-backed loans, a practice which gave rise to severely weakened bank balance sheets because of the property market crash (EU Commission, 2012). Given the high refusal rate of bank finance experienced by the eSME, the lack of collateral may be a contributing factor to that high rejection rate. The fact that eSMEs fail to recognize collateral as a significant limiting factor when securing a loan, suggests a certain lack of knowledge or naivety on their part – a definite gap in their understanding, manifestly evidence of weak cognitive social capital.

Despite the high bank loan refusal rate and loan difficulties, eSMEs still have ambitions to secure bank funding in the future. When asked whether they intend to grow their business and where they intend to raise any future finance needs, bank finance featured prominently in the responses from the eSMEs. Indeed, 24 of those 26 who wish to grow their business, believe that bank finance will feature as a future source of finance, with microfinance as the second most popular future choice of funding. We conclude that the introduction of the government-sponsored microfinance fund as a direct result of the private sector financial and banking crises, has provided a much-needed source of finance to the eSME, bridging their structural and cognitive social capital gap in the private funding market.

Barriers to other supports for growing Irish-based eSME businesses

In Table 2, the responses from the sample are tabulated, indicating their opinions about the accessibility of entrepreneurial supports for eSMEs. Many respondents (56.7 per cent) were familiar with the various government finance and training supports available and those accessed included Local Enterprise Offices, Credit Review Office, MFI and Enterprise Ireland. However, 13 of the 30 respondents had no interaction with Irish government supports at all. Indeed, eSMEs perceived that there were problems accessing these supports (24 out of 29 responses), with the fear of being rejected and distrusting official channels (signalling weak relational social capital) featuring in equal measure with lack of information (a cognitive social capital gap) when talking about these supports.

Most of the respondents (16 of 20)^{ix} who experienced barriers to attaining their business goals indicated that their difficulties stemmed from the perceived complexity of compliance/regulations and tax issues (these obstacles can be parsed as structural and cognitive social capital deficiencies). This finding is potentially linked to the weaknesses in the inter-ethnic and intra-ethnic networks and ties that fail to fully support the tax and regulatory compliance of ethnic business communities. These issues are most frequently cited as difficulties experienced when running an ethnic-minority business in Ireland.

Only two of 30 respondents mentioned that the lack of host community acceptance negatively affects their business outlook, suggesting that there is limited evidence of an inter-ethnic relational social capital gap between communities. Despite the obstacles that eSMEs encounter when operating a business in Ireland, most are optimistic about the future of their business and have plans to develop and grow it in the future. Intriguingly, the high bank loan refusal rate does not dampen their enthusiasm for bank finance. We conclude that the eSME in general finds that the host community in Ireland is accepting of the ethnic entrepreneur's business/community and the relational social capital gap the eSME experiences is confined to '*official Ireland*'.

Overall, the findings in relation to the sources of finance sought by eSMEs and their opinions about the barriers to business development, point to several issues that have inhibited growth in their businesses, most importantly the lack of access to external finance with a high refusal rate of bank loan applications, reflecting the dearth of the eSME's structural and cognitive social capital. These findings in the context of the POH and the level of social capital associated with the various sources of finance, are summarised and presented in Table 3.

For example, all three aspects of social capital were noted to be strongly related to the first source of capital in the POH –family and friends. Most funding was provided informally via a network of family members and friends, and funding from within the entrepreneurs own ethnic community, based on trust and norms emanating from those relationships. The study concluded that bank finance as a source of capital in the POH is generally unattainable for the eSME due to the high refusal rate and the difficulties expressed with the bureaucratic nature of the banks. In relation to cognitive and relational social capital there was weaker inter-ethnic understanding on both sides, as high bank loan interest rates are charged to cover the perceived ‘risk’ of ethnic businesses and the weak understanding displayed by eSMEs of collateral as a commonly used basis for bank lending.

Table 3: Pecking order of eSME funding sources, as explained via their social capital strengths and weaknesses

Sources of Finance	Social Capital		
	<i>Weak</i>	<i>Medium</i>	<i>Strong</i>
Family, Friends, Fools	-	-	Structural, Cognitive, Relational <i>Intra-ethnic understanding (within own communities)</i>
Micro Finance	-	Relational Cognitive <i>Inter-ethnic understanding. (between own communities and wider financial community)</i>	Structural, <i>Inter-ethnic understanding. (between own communities and wider financial community)</i>
Bank Finance	Cognitive, Relational <i>Inter-ethnic understanding (between own communities and wider financial community)</i>	Structural <i>Inter-ethnic understanding. (between own communities and wider financial community)</i>	-
External Equity (i.e. Business Angels, Venture Capitalists)	Structural, Cognitive, Relational <i>Inter-ethnic understanding. (between own communities and wider financial community)</i>	-	-

Note:

Structural Social Capital: Configuration, stability and durability of established relationships

Cognitive Social Capital: Common goals, shared culture, languages and codes,

Relational Social Capital: Member trust, norms, obligations and expectations

Stemming from the high bank refusal rate, an alternative source to bank finance for the eSME emerged in the form of microfinance. There were strengths in relation to structural capital for the eSMEs as they applied for and were successful in gaining microfinance on comparable acceptance rates to native-born entrepreneurs. There is evidence of relatively weaker cognitive social capital as the awareness of this fund is not universal among eSMEs. Relational social capital was also rated as medium due to the presence of fear (of rejection and of the bureaucracy involved), which is the antithesis of trust.

The final choice as per the POH – external equity – was not a viable choice for the eSMEs. eSMEs had very limited exposure to external equity providers due to poor networks and eSMEs did not consider it as a form of future finance. To summarise, eSMEs have a reduced set of funding opportunities in comparison to their native-born counterparts, and we suggest that this phenomenon is explained by gaps in their structural, cognitive and relational social capital.

Conclusions

This research has identified firstly, the sources of finance accessed by eSMEs, secondly, some of the constraints faced by eSMEs in accessing business financing from banks and thirdly, their perceptions of government financial supports and microfinance in particular. Banking finance was successfully secured by just 13 per cent of eSME respondents despite, as research findings indicated, their desire and efforts to access such a formal financing stream being like the general SME population. This outcome allied to findings indicating their lack of recourse to the credit refusal review options available to them (in the form of the credit review office) further constrain formal finance access opportunities. As findings indicated, this lack of recourse was not due to lack of awareness of the credit review office as the level of eSME awareness reflected the general SME population.

We contend that these findings are symptomatic of eSME's underdeveloped relational and cognitive dimensions of social capital, which consequently weaken their capacity to exploit their formal structural social capital in their entrepreneurial eco-system. Therefore, explaining their funding choices through the lens of the POH is somewhat redundant, as their funding preferences are curtailed by accessibility and availability of bank finance and their lack of recourse to the review other options available. In fact, the evidence suggests that eSME's weaker social capital base has hampered their ability to access bank finance, as theorised by the POH.

Given formal funding access constraints, the main funding source for eSMEs were accessed through informal networks in the form of friends and family solely or in combination with other sources, with microfinance the next popular external source. A key and surprising conclusion was that only one third of the respondents used their own savings when starting a business. The higher bank loan refusal rate experienced by eSMEs suggests that they have been disproportionately disadvantaged by bank credit rationing in post-crisis Ireland. However, without such a financial crisis, there may not have been the impetus to provide alternative SME financing for those who were refused bank finance; the introduction of microfinance was a welcome boon for eSMEs in a bleak financing landscape. MFI confirmed that on average, eSMEs account for 1 in 5 of all loans approved. Indeed, in this study MFI was found to be the exception for eSMEs, by being a relatively easy governmental support agency to access by eSMEs. These research findings echoed Cooney and Flynn (2008), who found that eSMEs are less likely to engage with mainstream business support agencies, relying on self-help and informal sources of assistance instead. Based on the MFI model of outreach communication and education, we suggest that more targeted information about government entrepreneurial supports may reduce the fears of eSMEs in relation to accessing government entrepreneurial supports as articulated in our survey findings and boost the accessibility of those supports for eSMEs via their increased cognitive social capital. This outreach communication and education is especially important for eSMEs that are not based in the large urban settings.

We contend that our research outcomes assert that this reluctance to engage with available, formal supports stems from weaknesses in their own and their community's social capital, as supported by their entrepreneurial eco-system. Not all the responsibility of social capital development should fall on the shoulders of the eSMEs and his/her ethnic networks. The wider community and its agents have a duty of care to nurture the relational and cognitive dimensions of social capital between their agencies and the eSMEs and within the ethnic-minority entrepreneurial eco-system. There is evidence that the outreach programme offered by MFI to ethnic communities successfully disseminates their message and reduces the fears of eSMEs. These research conclusions from the Irish eSME experience enable the identification of key implications and recommendations for national policy, which we also assert, may have supranational relevance.

Recommendations

The first key research conclusion was a clear social capital gap between SMEs and eSMEs with respect to higher than normal refusal rates of loans from financial institutions and the failure of eSMEs to avail of recourse options to appeal these refusals, despite evident awareness of these recourse options. These conclusions prompt critical recommendations as to how financial institutions, policymakers and supporting government agencies can best support this group in the future and close this identified social capital gap.

For lending institutions, we would recommend that they take specific measures to lower the barriers of entry for eSMEs. Given the increasingly more risk regulated global banking environment, it may not be feasible for such institutions to offer more targeted financial support. Thus increasing the degree of interaction and by extension the degree of social capital between eSMEs and such institutions is recommended. Lending institutions in many instances have created community banking teams who work specifically with ethnic communities, but this needs to be extended from retail banking to emphasising more the potential business start-up and development supports they provide. Although the institutional reasons for loan rejection were not considered as part of this research, demystifying and deconstructing the loan application process may mitigate against preventable administrative and information asymmetry errors that are a likely feature of eSME applications. The MFI outreach programme could be emulated as a model here for other fund providers.

The drive to address such asymmetry cannot be the sole responsibility of the institutions and the ethnic communities themselves could utilise existing relational and social capital to further disseminate a greater understanding of the lending requirements and credit products available to ethnic entrepreneurs, thereby scaffolding all three dimensions of their social capital and consequently increasing their funding opportunities. It follows that by developing the cognitive dimension of eSMEs networks, in order to reduce the gap between the intra and inter-ethnic networks, eSMEs can potentially expand funding and business opportunities.

Although we believe this initial recommendation to be important, we are also aware that pushing eSMEs towards more formal funding providers could paradoxically negatively impact on a funding success story, namely microfinance. This research did not explore motivations for eSMEs to gravitate towards particular funding sources, but a clear research conclusion was that in the Irish experience, eSMEs have greatly availed of this funding option. This finding somewhat contradicts the previous evidence that eSMEs are less likely to engage with mainstream business support agencies, relying on self-help and informal sources of assistance instead (Cooney and Flynn, 2008). Thus, to build on this success, we recommend that funding firms should actively target ethnic-minority businesses similar to the approach of MFI, to leverage this propensity to engage with mainstream financing modes; fostering inter-ethnic social capital as previously discussed. As indicated, incentivising increased eSME interaction with government microfinance sources may lead to less eSME engagement with formal private sector financial institutions. This outcome may become problematic, particularly if microfinance availability is constrained due to national and European economic circumstances.

From a national policy perspective, we recommend that the Irish government should focus more of their policy efforts on the eSME to support general economic recovery by increasing employment in an often disadvantaged and marginalised socio-economic group. To further support eSMEs, the Irish government could initiate a formal forum for eSMEs to engage with the government and its agencies and through the adoption of a mentoring programme to incentivise intra-ethnic social capital. Such forums and approaches have been utilised in other countries, albeit often not centrally funded and typically organised at the regional level, i.e. the Minority Ethnic Business Forum of Advantage West Midlands in the UK (Regional Competitiveness and Employment Objective 2007 – 2013, 2012).

The research findings reaffirm that eSMEs are concentrated in the traded services sectors and are found on the margins of the mainstream economic environment (Cooney and Flynn 2008; Birdthistle, 2012). As Birdthistle (2012) identified, there are worrying results in relation to participating on the training programmes offered by government agencies. Therefore, we recommend that targeted training programmes for eSMEs, at all stages of the entrepreneurship lifecycle, need to be provided and advertised in multiple languages, to augment their cognitive social capital. Additionally, it is recommended that further research needs to be conducted to understand the contribution of eSMEs to innovation and high-growth firms in an Irish context and if/how inter-ethnic social capital is fostered and managed.

Furthermore, it is recommended that the national government undertake additional targeted public information campaigns on the various existing governmental support programmes, to highlight their availability and suitability to ethnic entrepreneurs. It is likely that eSMEs would require more general additional support to assist them to overcome certain barriers and challenges (such as the language barrier) to access and use these supports and programmes. Moreover, issues around accessing governmental supports, as this research indicated in the case of the credit review office, may not be attributable to a lack of awareness of the support being available but may be more related to reluctance to engage with the support, possibly due to cultural and/or language and/or procedural barriers.

Undertaking more nuanced public information campaigns, whereby the ease of the supports procedures is emphasised as much as their availability, would be recommended as this would mitigate against information asymmetry and opportunity cost concerns that may exist. In addition, the wider adoption of the ethnic-minorities languages on application forms or more standby interpreters to carry out enterprise business functions on behalf of the Government would assist. In reflecting on the research conclusions, there are policy and institutional actions that can be taken to address some of the prevailing deficiencies in relational and cognitive social capital at an inter-ethnic level to cultivate a more resilient social capital base for the ethnic entrepreneur. This would not only enhance the economic status of eSMEs but would also have wider positive effects for a national economy.

References

- Altinay, L. and Altinay, E., (2008). "Factors influencing business growth: the rise of Turkish entrepreneurship in the UK". *International Journal of Entrepreneurial Behavior Research*, Vol. 14, Issue 1, pp.24-46.
- Amorós, J.E., and Bosma, N. (2014), "Global entrepreneurship monitor 2013 global report", available at: <http://www.gemconsortium.org/report>, (accessed 12 April 2017).
- Bager, T. and Rezaei, S. (2000), "Immigrant businesses in Denmark: Captured in marginal business fields?", working paper, Centre for Small Business Research, University of Southern Denmark, Denmark, June.
- Basu, A. and Altinay, E. (2002), "The interaction between culture and entrepreneurship in London's immigrant businesses", *International Small Business Journal*, Vol. 20, Issue 4, pp. 371-93.
- Beck, T., Demirgüç-Kunt, A. and Maksimovic, V., (2008). "Financing patterns around the world: Are small firms different?". *Journal of Financial Economics*, Vol. 89, Issue 3, pp. 467-487.
- Behr, P. and Güttler, A., (2007). "Credit risk assessment and relationship lending: An empirical analysis of German small and medium-sized enterprises". *Journal of Small Business Management*, Vol. 45, Issue 2, pp.194-213.
- Berger, A.N. and Udell, G.F. (2006), "A more complete conceptual framework for SME finance", *Journal of Banking and Finance*, Vol. 30 No. 11, pp. 2945-2966.
- Bewaji, T., Yang, Q. and Han, Y., (2015). "Funding accessibility for minority entrepreneurs: An empirical analysis", *Journal of Small Business and Enterprise Development*, Vol. 22, Issue 4, pp.716-733.
- Birdthistle, N. (2012), *An Examination of Ethnic Entrepreneurship in the Mid-West Region of Ireland*, Report commissioned by DorasLuimni.
- Burt, R. (2004), "Structural holes and good ideas", *American Journal of Sociology*, Vol. 110 No. 2, pp. 349-399.
- Carter, S., Mwaura, S., Ram, M., Trehan, K. and Jones, T. (2015), "Barriers to ethnic minority and women's enterprise: Existing evidence, policy tensions and unsettled questions", *International Small Business Journal*, Vol. 33 No. 1, pp. 49-69.
- Casey, E., O'Toole, C.M., (2014) "Bank-lending constraints, trade credit and alternative financing during the financial crisis: Evidence from European SMEs", *Journal of Corporate Finance*, Vol. 27, pp.173-193.
- Chaganti, R. and Greene, P.,G. (2002), 'Who are ethnic entrepreneurs? A study of entrepreneurs' ethnic involvement and business characteristics', *Journal of Small Business Management*, 40(2), pp.125-143.
- Cooney, T.M. and Flynn, A. (2008), "A mapping of ethnic entrepreneurship in Ireland", available at: <https://arrow.dit.ie/imerep/1/> (accessed 19 September 2018).
- CSO (2011), *Census 2006: Non-Irish Nationals Living In Ireland*, Stationery Office, Dublin, Ireland.
- CSO (2012), *Population classified by Area*, Stationery Office, Dublin, Ireland.
- CSO (2015), 'County incomes and regional GDP 2014', available at: <https://www.cso.ie/en/releasesandpublications/er/cirgdp/countyincomesandregionalgdp2014/>(accessed 19 September 2018).
- CSO (2017a), "Population and migration estimates: April 2017", available at: <http://www.cso.ie/en/releasesandpublications/er/pme/populationandmigrationestimatesapril2017/> (accessed 26 April 2018).
- CSO (2017b), "Census 2016 Profile 7 Migration and Diversity", Press Statement, 21st September, Central Statistics Office, Cork, Ireland, available at <https://www.cso.ie/en/csolatestnews/presspages/2017/census2016profile7-migrationanddiversity/> (accessed 26 April 2018)
- CSO StatBank (2017), 'Earning Analysis using Administrative Data Sources' available at: <https://www.cso.ie/px/pxeirestat/Statire/SelectVarVal/saveselections.asp>(accessed 19 September 2018).
- CSO (2018), "Census of population 2016 – profile 11 employment, occupations and industry", available at <http://www.cso.ie/en/releasesandpublications/ep/p-cp11eoi/cp11eoi/lfnmfl/> (accessed 26 April 2018).

- EU Commission, (2012), “Ireland's economic crisis: how did it happen and what is being done about it?”, available at http://ec.europa.eu/ireland/economy/irelands_economic_crisis/index_en.htm, (accessed 14 May 2017).
- Fang, S.C., Tsai, F.S. and Lin, J.L. (2010), “Leveraging tenant-incubator social capital for organizational learning and performance in incubation programme”, *International Small Business Journal*, Vol. 28 Issue 1, pp.90-113.
- Feldman, M. and Zoller, T.D. (2012), “Dealmakers in place: Social capital connections in regional entrepreneurial economies”, *Regional Studies*, Vol. 46 No. 1, pp. 23–37.
- Fitzsimmons, P. and O’Gorman, C. (2014), *Entrepreneurship in Ireland 2013: Global Entrepreneurship Monitor*, Dublin City University, Dublin, Ireland.
- Granovetter, M.S. (1973), “The strength of weak ties”, *The American Journal of Sociology* Vol. 78 No. 6, pp. 1360–1380.
- Holton, S. and McCann, F. (2012), “Irish SME credit supply and demand: comparisons across surveys and countries”, available at: <https://ideas.repec.org/p/cbi/ecolet/08-el-12.html> (accessed 14 September 2018).
- Holton, S., Lawless, M. and McCann, F. (2014), “Firm credit in the euro area: a tale of three crises”, *Applied Economics*, Vol. 46 No. 2, pp. 190-211.
- Hussain, J. and Matlay, H., (2007). Financing preferences of ethnic minority owner/managers in the UK. *Journal of Small Business and Enterprise Development*, Vol. 14, Issue 3, pp.487-500.
- Iansiti, M. and Levien, R. (2004), *The Keystone Advantage: What the New Dynamics of Business Ecosystems Mean for Strategy, Innovation, and Sustainability*, Harvard Business Press, Boston.
- Inkpen, A.C. and Tsang, E.W. (2005), “Social capital, networks, and knowledge transfer”, *Academy of Management review*, Vol. 30 Issue 1, pp.146-165.
- Irwin, D. and Scott, J. (2010), “Barriers faced by SMEs in raising bank finance”, *International Journal of Entrepreneurial Behaviour & Research*, Vol. 16 No. 3, pp. 245-259.
- ISME (2013a), “Quarterly Bank Watch Survey Q3, 2013”, available at https://isme.ie/wp-content/files_mf/137871338013252banksurveyprPDF.pdf (accessed 3 June 2017).
- ISME (2013b), “Quarterly Bank Watch Survey Q4, 2013”, available at: http://isme.ie/wp-content/files_mf/138597528413336BankSurvey.pdf (accessed 2 June 2017)
- ISME (2014a), “Quarterly Bank Watch Survey Q1, 2014”, available at: http://isme.ie/wp-content/files_mf/139444541814069BankSurvey.pdf (accessed 10 June 2017)
- ISME (2014b), “Quarterly Bank Watch Survey Q2, 2014”, available at: http://isme.ie/wp-content/files_mf/140178193214151BankSurveypdf.pdf (accessed 3 June 2017)
- ISME (2014c), “Quarterly Bank Watch Survey Q3, 2014”, available at: http://isme.ie/wp-content/files_mf/140965657114245BankSurveypr.pdf (accessed 3 June 2017).
- Jobst, A. and Lin, H. (2016), “Negative Interest Rate Policy (NIRP): Implications for monetary transmission and bank profitability in the Euro area”, working paper, International Monetary Fund, August.
- Jones, T., McEvoy, D. and Barrett, G., (1994). “Raising capital for the ethnic minority small firm”. *Finance and the small firm*, pp.145-181.
- Jones, T., Barrett, G. and McEvoy, D., (2000). “Market potential as a decisive influence on the performance of ethnic minority business”. In *Immigrant businesses*, (pp. 37-53). Palgrave Macmillan, London.
- Juteau, D. and Pare, S. (1996), “L’entrepreneuriethnique”, *Interfaces*, Vol. 17 No. 1, pp. 18-28.
- Krieger, H. (2011), *Promoting Ethnic Entrepreneurship in European Cities*, Publication Office of the European Union, Luxembourg.
- Lally, C. (2018), “Significant increase in numbers seeking asylum in Ireland”, available at: <https://www.irishtimes.com/news/crime-and-law/significant-increase-in-numbers-seeking-asylum-in-republic-1.3465992> (accessed 30 May 2018).
- Lawless, M. and McCann, F. (2012), “Credit access for small and medium firms: Survey evidence for Ireland”, Research Technical Papers 11/RT/11, Central Bank of Ireland.
- Lin, N. (2002) *Social Capital: A Theory of Social Structure and Action*, Cambridge University Press, UK.
- Mac anBhaird, C. and Lucey, B. (2010), “Determinants of capital structure in Irish SMEs”, *Small Business Economics*, Vol. 35 No. 3, pp. 357-375.
- Mac anBhaird, C. and Lucey, B. (2011), “An empirical investigation of the financial growth lifecycle”, *Journal of Small Business and Enterprise Development*, Vol. 18 No. 4, pp. 715-731.
- Mac anBhaird, C. (2013), “Demand for debt and equity before and after the financial crisis”, *Research in International Business and Finance*, Vol. 28, pp. 105-117.
- Masurel, E., Nijkamp, P., Tastan, M. and Vindigni, G. (2002), “Motivations and performance conditions for ethnic entrepreneurship”, *Growth and Change*, Vol. 33 No. 2, pp. 238-260.

- Mateev, M., Poutziouris, P. and Ivanov, K. (2013), "On the determinants of SME capital structure in Central and Eastern Europe: A dynamic panel analysis", *Research in International Business and Finance*, Vol. 27 No. 1, pp.28-51.
- McCann, F. (2011), *Access to Credit Amongst SMEs: Pre and Post-crisis Evidence from Eastern Europe*, Central Bank of Ireland, Economic Letter Series, 3.
- Microfinance Ireland (2015), 'Directors Report and financial statements for the financial year ended 31st December 2014', available at: <https://dbei.gov.ie/en/Publications/Publication-files/Microfinance-Ireland-Annual-Report-and-Accounts-for-2014.pdf> (accessed 20 September 2018).
- Microfinance Ireland (2018) 'Report on the Microenterprise Loan Fund Scheme as at 31st March 2018', available at: <https://dbei.gov.ie/en/Publications/Microenterprise-Loan-Fund-Scheme-31-March-2018.html> (accessed 20 September 2018).
- Mottiar, Z. and Walsh, L. (2012) "Leisure space reflecting changing city demography: tracking the phase of an international quarter development in Parnell Street East, Dublin", *Leisure Studies*, Vol. 31 Issue 1, pp. 21-32.
- Myers, S.C. and Majluf, N.S. (1984), "Corporate financing and investment decisions when firms have information that investors do not have", *Journal of Financial Economics*, Vol. 13 No. 2, pp.187-221.
- Nahapiet, J. and Ghoshal, S. (1998), "Social capital, intellectual capital, and the organizational advantage", *Academy of Management Review*, Vol. 23 No. 2, pp.242-266.
- NíChonail, B. (2009), "Perceptions of migrants and their impact on the Blanchardstown Area: Local Views", available at: <http://www.itb.ie/researchatitb/documents/perceptionsofmigrants-finalreport.pdf> (accessed 20 September 2018).
- Oh, H., Chung, M.H. and Labianca, G. (2004), "Group social capital and group effectiveness: The role of informal socializing ties", *Academy of Management Journal*, Vol. 47, pp. 860-875.
- Portes, A. (1995), "Latin American class structure, their composition and change during the last decades", *Latin American Research Review*, Vol. XX No. 3, pp. 7-39.
- Rath, J. (2010), "Ethnic entrepreneurship: Concept paper", available at: <http://www.eurofound.europa.eu/publications/htmlfiles/ef1039.htm> (accessed 13 June 2014).
- Rath, J. and Swagerman, A. (2011), *Promoting Ethnic Entrepreneurship in European Cities*, Publications Office of the European Union, Luxembourg.
- Regele, M.D. and Neck, H.M. (2012), "The entrepreneurship education sub-ecosystem in the United States: Opportunities to increase entrepreneurial activity", *Journal of Business and Entrepreneurship*, Vol. 23 No. 2, p.25-47.
- Regional Competitiveness and Employment Objective 2007 – 2013 (2012), "West Midlands European Regional Development Fund Operational Programme" available at: https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/315877/WM_OP_FINAL_v3.1.pdf (accessed 13 December 2018).
- Ryan, S. and Barclay, L. (1992), *Sharks and Sardines: Blacks in Business in Trinidad and Tobago*, University of the West Indies Multimedia Production Centre, St Augustine.
- Seghers, A., Manigart, S. and Vanacker, T., (2012). "The impact of human and social capital on entrepreneurs' knowledge of finance alternatives". *Journal of Small Business Management*, Vol. 50, Issue 1, pp.63-86.
- Shimasaki, C.D., (2009). 'Financing Your Company—Part 1: Raising Money, Capital Needs, and Funding Sources', in *The Business of Bioscience. What goes into making a Biotechnology Product* (pp. 117-145), London, New York, NY, Springer.
- Simsek, Z., Lubatkin, M.H. and Floyd, S.W. (2003), "Inter-firm networks and entrepreneurial behavior: A structural embeddedness perspective", *Journal of Management*, Vol. 29 No.3, pp.427-442.
- Singer, S., Amorós, E. and Moska, D. (2015), "Global Entrepreneurship Monitor 2014 Global Report" available at: <http://www.gemconsortium.org/report> (accessed 14 September 2017).
- Soetanto, D. and Van Geenhuizen, M. (2015), "Getting the right balance: University networks' influence on spin-offs' attraction of funding for innovation", *Technovation*, Vol. 36, pp.26-38.
- Solas, (2017), 'Profile of the Midland Region', Report by the Skills and Labour Market Research Unit, available at: https://www.regionalskills.ie/regions/midlands/regionalskillsfora_midland_version_sentdes_im_may_2017.pdf (accessed 13 December 2018).
- Stiglitz, J.E. and Weiss, A. (1981), "Credit rationing in markets with imperfect information", *The American Economic Review*, Vol. 71 No.3, pp. 393-410.
- Sunday Business Post (2013), "Microfinance Ireland to offer startup loans", 8 January 2013, p.9.
- Tötterman, H. and Sten, J. (2005), "Start-ups business incubation and social capital", *International Small Business Journal*, Vol. 23 No. 5, pp.487-511.

- Trethowan, J. (2014a), "Thirteenth Quarterly Report", available at: <http://www.creditreview.ie/docs/Report13.pdf> (accessed 12 April 2014)
- Trethowan, J. (2014b), "Fourteenth Quarterly Report", available at: <http://www.creditreview.ie/docs/Report14.pdf> (accessed 12 April 2014).
- Van Auken, H.E., (2001). "Financing small technology-based companies: The relationship between familiarity with capital and ability to price and negotiate investment". *Journal of Small Business Management*, Vol. 39, Issue 3, pp.240-258.
- Volery, T. (2007), "Ethnic entrepreneurship: a theoretical framework," In *Handbook of research on ethnic minority entrepreneurship: A co-evolutionary view on resource management*. Dana, L.P. ed., (pp. 30-41) Edward Elgar Publishing.
- Waldinger, R., Aldrich, H. and Ward, R. (1990), *Ethnic Entrepreneurs*, Sage Publications
- Wilpert, C., (2003), 'Germany: From workers to entrepreneurs', in Kloosterman, R. and Rath, J. (Eds.), *Immigrant Entrepreneurs: Venturing Abroad in the Age of Globalization*, Oxford, Berg.
- Woolcock, M. and Narayan, D. (2000), "Social capital: Implications for development theory, research, and policy", *World Bank Research Observer*, Vol.15, No. 2, pp. 225-249.

Referee: 1 Recommendation: Minor Revision	Response to Referee's Comments
Comments:	
Thank you for the opportunity to read your paper. I think the section with the build up on statistics can be condensed.	Action completed under heading 'sample description', in relation to gender discussion. Also we condensed material under ethnic-minority entrepreneurs in Ireland heading
On page 6 under "funding choices"-I think that first paragraph needed more citations , actually both the structural and cognitive sections need more citations.	Added citations in the structural and cognitive sections
I like the depth of information discovered.	No action required
Under recommendations-why should the government do this?	Governmental policy and institutional actions that can be taken to address some of the prevailing deficiencies in relational and, cognitive social capital at an inter-ethnic level to cultivate a more resilient social capital base for the ethnic entrepreneur would not only enhance the economic status of eSMEs, but would also allow for more effective utilisation of and return on national entrepreneurial supports and fundamentally have a wider positive effect on the national economy.
1. Originality: Does the paper contain new and significant information adequate to justify publication?: It is a very interesting approach to the topic of eSME.	No action required
2. Relationship to Literature: Does the paper demonstrate an adequate understanding of the relevant literature in the field and cite an appropriate range of literature sources? Is any significant work ignored?: There is a need for more literature review.	The literature on social capital and links to financial resources is also augmented under the heading 'Funding choices as predicted by POH through a social capital lens' The gap in the literature is developed further and highlights the importance of the POH to Irish SMEs and adding the Irish dimension to the eSME story – Cooney and Flynn 2008.
3. Methodology: Is the paper's argument built on an appropriate base of theory, concepts, or other ideas? Has the research or equivalent intellectual work on which the paper is based been well designed? Are the methods employed appropriate?: Yes	No action required
4. Results: Are results presented clearly and analysed appropriately? Do the conclusions adequately tie together the other elements of the paper?: It is presented well and with depth	No action required
5. Implications for research, practice and/or society: Does the paper identify clearly any implications for research, practice and/or society? Does the paper bridge the gap between theory and practice? How can the research be used in practice (economic and commercial impact), in teaching, to influence public policy, in research (contributing to the body of knowledge)? What is the impact upon society (influencing	No action required

public attitudes, affecting quality of life)? Are these implications consistent with the findings and conclusions of the paper?: They did and took it a step further to policy implications and recommendations	
6. Quality of Communication: Does the paper clearly express its case, measured against the technical language of the field and the expected knowledge of the journal's readership? Has attention been paid to the clarity of expression and readability, such as sentence structure, jargon use, acronyms, etc.: Yes it was well written	No action required
Referee: 2 Recommendation: Reject	
Comments:	
The topic is certainly interesting. However, the manuscript presents some critical issues that the authors try to solve. More specifically:	
1. The authors could try to clarify to what extent and under what conditions their results could be useful in other contexts of analysis	Although this is an Irish study, we contend that the research conclusions and recommendations have utility for both entrepreneurial researchers (given the utilisation of the pecking order hypotheses) and policy makers, in particular in contexts where available ethnic entrepreneurial supports are under-utilised or accessed.
2. The limitations of the research could be moved to the final part of the work. In this section, the authors could also refer to the specific context	Limitations moved to the end of the paper and expanded on the context limitation.
3. The paragraph of the results could be completely rewritten, reporting the details of a new analysis (qualitative or quantitative)	The methodology is clarified as both qualitative and quantitative, as a survey instrument (quantitative analysis of Likert scale questions, and statistical comparisons with national averages) with open-ended questions gathered through semi-structured face to face interviews to complete the open-ended questions with the respondents. This is made clear throughout the document.
4. The theoretical framework could be updated. It is suggested to identify hypotheses, literature, or propositions, according to the new methodology chosen	No new methods chosen (see above), improved lit review more clearly highlights the Pecking Order Hypothesis POH as the framework which we examine the funding choices of the eSMEs, using social capital as an explanation of deviations from the POH
1. Originality: Does the paper contain new and significant information adequate to justify publication?: In the introduction, the authors say that " <i>there is no specific information on how the crisis impacted funding acquisition by ethnic minority SMEs</i> ". However, the current structure of work proposes a constant link with the specific situation of Ireland, without providing the answer to the more general research question.	The introduction is re-written to highlight the specific literature gap and it has been restructured to better motivate the study. In particular, we state that our research gap is based on the fact that there is no specific information on how the crisis impacted funding acquisition by ethnic minority SMEs in Ireland.
2. Relationship to Literature: Does the paper demonstrate an adequate understanding of the relevant literature in the field and cite an appropriate range of literature sources? Is any significant work ignored?: The structure of the paper could be improved to further enhance this aspect. After the introduction, the authors could insert a paragraph dedicated exclusively to the literature review.	The paper is substantially restructured to bolster and re-focus the introduction. The a literature review follows the introduction under the title <i>A literature review: The Challenges of being an eSME</i>
3. Methodology: Is the paper's argument built on an appropriate base of theory, concepts, or other ideas? Has the research or equivalent intellectual work on which the paper is based been well designed? Are the methods employed appropriate?: The connection of the items considered in the analysis with the literature is not clear and should be further explained. This problem also reflects in the later parts of the manuscript, which seem to be disconnected from a gap in the literature that needs to be developed further	The gap in the literature is developed further and highlights the importance of the POH to Irish SMEs and adding the Irish dimension to the eSME story – Cooney and Flynn 2008. Literature on social capital and links to financial resources is also augmented under the heading 'Funding choices as predicted by POH through a social capital lens'.
4. Results: Are results presented clearly and analysed appropriately? Do the conclusions adequately tie together the other elements of the	In the paper the results are both descriptive (Table 2) and statistical (Table 1), and are not solely based on

<p>paper?: The presentation of the results is based exclusively on descriptive statistics. The authors themselves use the term "sample description" in this section</p>	<p>descriptive statistics. We moved the sample description into the methodology section and focused the results on the statistical comparisons and the themes garnered from the opened end questions.</p>
<p>5. Implications for research, practice and/or society: Does the paper identify clearly any implications for research, practice and/or society? Does the paper bridge the gap between theory and practice? How can the research be used in practice (economic and commercial impact), in teaching, to influence public policy, in research (contributing to the body of knowledge)? What is the impact upon society (influencing public attitudes, affecting quality of life)? Are these implications consistent with the findings and conclusions of the paper? The possibility of generalizing the results is limited by the number of observations. This limits the scope and value of the implications, which however should be developed much more in the work</p>	<p>The first key research conclusion was a clear social capital gap between SMEs and eSMEs with respect to higher than normal refusal rates of loans from financial institutions and the failure of eSMES to avail of recourse options to appeal these refusals, despite evident awareness of these recourse options. An additional significant conclusion consistent with the research findings is that the ethnic entrepreneurs' reluctance to engage with available supports stems from weaknesses in their own and their community's social capital, as supported by their entrepreneurial eco-system. We contend that notwithstanding the number of observations, that the conclusions of this paper uniquely sheds light on the ethnic-entrepreneur's awareness, understanding and in some cases, experiences of accessing bank finance, microfinance and other government supports in post-crisis Ireland. These conclusions prompt critical recommendations as to how financial institutions, policy-makers and supporting government agencies can best support this group in the future and close this identified social capital gap. From this specific national experience, policy recommendations to more effectively support ethnic-minority entrepreneurs in accessing finance are identified and discussed.</p>
<p>6. Quality of Communication: Does the paper clearly express its case, measured against the technical language of the field and the expected knowledge of the journal's readership? Has attention been paid to the clarity of expression and readability, such as sentence structure, jargon use, acronyms, etc.: The paper does not present particular problems from the stylistic point of view. The expressions are sufficiently clear</p>	<p>No action required</p>
<p>Referee: 3 Recommendation: Reject</p>	
<p>Comments:</p>	
<p>This paper examined how ethnic minority entrepreneurs were affected to access bank finances after the financial crisis in Irish SMEs. In addition, the moderating effect of social capital of entrepreneurs were also studied. This is an interesting research topic. The empirical study on minority entrepreneurs is quite needed in the entrepreneurship research, and such research may provide useful information for policy makers. However, I found that the paper failed to provide strong statistical method and empirical results to support the objectives you targeted to measure. The following are some detailed concerns I have about this study.</p>	<p>No action required</p>
<p>1. Please clarify why it is important to select the post-financial crisis period to study Irish eSMEs and access to bank loans specifically. Evidently the crisis is negative to all SMEs. In addition, previous literature has found that the minority entrepreneurs have more difficulty to access bank loans comparing to non-minority entrepreneurs. Is there any difference during this time or eSMEs in Ireland? If so, please explain.</p>	<p>The GFC and banking crisis in Ireland are shown to be negative for the SME sector but more particularly eSMEs. The differences between the eSMEs before the GFC and after the GFC are more clearly expressed in the results sections. Ireland is an interesting case study as it had net migration post GFC and suffered more severely because of the GFC, (domestic banking and property crises causing sovereign bankruptcy). Cooney and Flynn 2008 provide a comprehensive profile of eSMEs before the GFC and we offer evidence of funding choices of eSMEs after the GFC. We marry financial theory and social capital to explain the choices eSMEs appear to make in relation to</p>

	their funding profiles, post GFC.
2. It will be good if you can compare the eSMEs' access to loans between pre-financial crisis and post-crisis and see the difference. Or compare the eSMEs and non-eSMEs during post-crisis time. Through these comparisons, the conclusion that it is difficult for eSMEs to get loans (especially financial crisis time) will be more convincing.	Compare the eSMEs' access to loans between pre-financial crisis and post-crisis – this is provided in the augmented results section. Compare the eSMEs and non-eSMEs during post-crisis time – we compare the eSMEs and the Irish SME sector in Table 1.
3. The definition of the eSMEs is a little bit confusing. You used the “entrepreneurs with a specific socio-cultural or ethnic background” (p.g. 2). What does specific refer to? You mentioned you included all the definitions of previous research. Do you mean all those SMEs with immigrant background (1st generation, 2nd generation and more?).	In the introduction, we refined the definition we employed of the ethnic entrepreneur and clarified that our definition is similar to the definition used by Cooney and Flynn (2008), who also wrote about Irish-based ethnic entrepreneurs.
4. On page 6, it was mentioned “We expect that for eSMEs, the informal relationships are stronger than formal relationships and consequently their principal source of finance is from family and friends.”. Please insert some citations to support that informal network is more significant than formal network for eSMEs.	We included additional citations under the heading Funding choices as predicted by POH through a social capital lens, to support that informal network is more significant than formal network for eSMEs.
5. It's confusing here “..... their goals, culture and language (intra-ethnic networks) and the wider community, more specifically native-born providers of external funding (inter-ethnic networks)” (p.g., 6). Please define the intra-ethnic networks and inter-ethnic networks clearly. In addition, as you mentioned previously, native born ethnic-minorities are defined as ethnic-minorities. And here you considered native born providers to be in the inter network. Please separate them.	Under the heading, Funding choices as predicted by POH through a social capital lens, we have included an explanation of intra-ethnic networks and inter-ethnic networks. Also we have rewritten the social capital material and better integrated it with the pecking order hypothesis.
6. Please develop the hypotheses clearly. Specifically, how the 3 components of social capital moderate the relationship of eSMEs and access to loans? Positive or negative? In addition, from the paragraphs of participant cognitive dimension and relational dimension, it seems that these two dimensions moderate the network structure and access to loans. I suggest you reorganizing the rationales.	The authors have addressed in the body of the paper much more clearly, how the 3 components of social capital moderate the relationship of eSMEs and access to loans. Also the rationales have been reorganised.
7. I have much concern about the data and the method.	No action required
a. First, the sample size is too small (only 30 firms). Second, only 13% of them got bank financing (that is about 4 firms). I don't think this can provide a valid and strong empirical study.	The sample is small due to the nature of the population – on the periphery and distrustful of communicating financial information. The empirical analysis looks at the refusal rates as opposed to the success rates so the numbers aren't as small as they appear at first glance.
b. What are the dependent and independent variables? Moderating variables? Control variables? What are your measurements? How about the reliability tests for the variables?	Regressions are not employed here as the sample size wouldn't support the analysis.
c. Is the ISME rates regional or national? Your eSMEs sample is regional? If the former is national level, then the comparison is not appropriate. What are the sample size of the ISME survey?	ISME rates are national rates and the eSME sample is a 'regional sample'. As the island is a small economy, there are not large regional variations in the SME sector. It is more of a urban and rural divide
d. Where are the moderating effects in your result? The formal/informal networks effect on the eSMEs and their access to bank loans?	No there are no moderating affects, as regressions weren't used
e. Please provide the regression models and related information of the models if you used regression in the method.	The sample size would make regression analysis impractical.
f. Are government initiatives also moderators for eSMEs to access loans? If so, please use social capital theory to explain why it can help eSMEs in the theoretical sections.	No the government initiative (MFI) is triggered by the bank loan refusal and not the other way round.
g. Since all 3 components of social capital are weak and eSMEs seldomly use external funds, how can we draw the conclusion that they moderate eSMEs and access to loans?	In Table 3 Structural capital in the form of informal relationships is strong and consequently family and friends are the dominant source of finance post GFC. This contrasts to the other dimensions of social capital.
Minor problems:	
Typo on page 3 “.....to support the ethic-minority SME sector in	Sentence adjusted

Ireland.” I think it should be ethnic-minority.	
Typo on page 4 “.....following three years was at the highest level since 2000.” I guess it should be 2010.	Changed to 2010
1. Originality: Does the paper contain new and significant information adequate to justify publication?: No.	No action required
2. Relationship to Literature: Does the paper demonstrate an adequate understanding of the relevant literature in the field and cite an appropriate range of literature sources? Is any significant work ignored?: Average	No action required
3. Methodology: Is the paper's argument built on an appropriate base of theory, concepts, or other ideas? Has the research or equivalent intellectual work on which the paper is based been well designed? Are the methods employed appropriate?: Poor	No action required
4. Results: Are results presented clearly and analysed appropriately? Do the conclusions adequately tie together the other elements of the paper?: Poor	No action required
5. Implications for research, practice and/or society: Does the paper identify clearly any implications for research, practice and/or society? Does the paper bridge the gap between theory and practice? How can the research be used in practice (economic and commercial impact), in teaching, to influence public policy, in research (contributing to the body of knowledge)? What is the impact upon society (influencing public attitudes, affecting quality of life)? Are these implications consistent with the findings and conclusions of the paper?: <u>The contribution is not very clear and the impact is not significant.</u>	The first key research conclusion was a clear social capital gap between SMEs and eSMEs with respect to higher than normal refusal rates of loans from financial institutions and the failure of eSMEs to avail of recourse options to appeal these refusals, despite evident awareness of these recourse options. An additional significant conclusion consistent with the research findings is that the ethnic entrepreneurs’ reluctance to engage with available supports stems from weaknesses in their own and their community’s social capital, as supported by their entrepreneurial eco-system. We contend that the conclusions of this paper uniquely sheds light on the ethnic-entrepreneur’s awareness, understanding and in some cases, experiences of accessing bank finance, microfinance and other government supports in post-crisis Ireland. These conclusions prompt critical recommendations as to how financial institutions, policy-makers and supporting government agencies can best support this group in the future and close this identified social capital gap. From this specific national experience, policy recommendations to more effectively support ethnic-minority entrepreneurs in accessing finance are identified and discussed.
6. Quality of Communication: Does the paper clearly express its case, measured against the technical language of the field and the expected knowledge of the journal's readership? Has attention been paid to the clarity of expression and readability, such as sentence structure, jargon use, acronyms, etc.: Average	No action required
Referee: 4 Recommendation: Reject	
Comments:	
Review “Examining ethnic entrepreneurs’ funding access in post-crisis Ireland”	
I read this paper with great interest. You point to some important issues, namely the funding of SMEs led by minorities in tough environments (i.e., post-financial crisis). However, I also have some important concerns. I detail these concerns below. Where possible, I also provide recommendations to address my concerns.	No action required
1. My first major comment is that your introduction and literature review is very ineffective. More specifically, you almost immediately jump into the Irish context. But you fail to address more general issues. For example, most research on financing SMEs focuses on capital structure but does not provide a detailed insight into how	As part of the restructuring process of the paper, the introduction has been re-written to highlight the specific literature gap and it has been restructured to better motivate the study, to addresses the issues highlighted by the reviewer. In particular, we state that our research gap

<p>entrepreneurs make funding decisions. As another example, most capital structure theories (originally developed for large, public firms) generally pay very limited attention to the founder/entrepreneur/manager. These issues are broader issues that can connect your study to a broader readership, and make your study more interesting. I personally believe you first need to identify an important research question. And motivate why it is important (you try to do so on page 3 but it did not convince me – there is quite some work on the financing of ethnic entrepreneurship for example and much research on the impact of the crisis on SMEs).</p>	<p>is based on the fact that there is no specific information on how the crisis impacted funding acquisition by ethnic minority SMEs in Ireland.</p>
<p>Relatedly, you now state: “there is no specific information on how the crisis impacted funding requests by ethnic-minority small and medium sized entrepreneurs.” So what? As you indicate later, many studies have pointed towards (1) the financing of (ethnic) minority-led firms and the general funding challenges faced by SMEs and (2) the financial crisis. You connect both streams of literature. But what do we learn that is new (that we did not know from previous work)? Your findings summarized on p 1, for example, do not seem very new to me or very specific for the post-crisis period.</p>	<p>The conclusions of this paper address a clear and important research gap with respect to ethnic-entrepreneurs’ awareness, understanding and in some cases, experiences of accessing bank finance, microfinance and other government supports in a post-crisis economy. The research conclusions prompt critical recommendations as to how financial institutions, policy-makers and supporting government agencies can best support this group in a post-crisis future and close this identified social capital gap. Additionally, specific policy recommendations to more effectively support ethnic-minority entrepreneurs in accessing finance in a post-crisis economy are identified and discussed.</p>
<p>2. I was a bit disappointed with the core of your paper. Given your methodology (including interviews), I expected rich data on the financing process of eSMEs. Unfortunately, the core of your paper was very focused on descriptive statistics. Also, the comparison with data from “general” SMEs collected through different approaches seems not very appropriate to me (but is also not needed). I really would have loved to see much more fine-grained insights into how managers of eSMEs structured their search for financial resources across time, what they did as a reaction to being unsuccessful in raising specific sources of financing, in what order they approached what type of investors, ... Overall, more quotes and direct evidence from these managers/entrepreneurs would have been a real value added.</p>	<p>This paper is both descriptive and statistical (Figure 1 and Table 2) and incorporates some qualitative commentary that has been converted in to themes for ease of analysis (Table 2).</p>
<p>3. Finally, many of your claims are not backed by evidence from your data collection. For example, you state “while banks were refusing loans to small businesses across Ireland, this high rate suggests there are major gaps in eSME’s social capital that prevented him/her securing external debt finance”. Why do you attribute these problems to a lack of social capital (or more limited social capital)? Where is the evidence from your interviews? Surveys? For instance, could it not simply be that your eSMEs are less profitable than the average SMEs you are comparing with? Could it not simply be that the teams behind the eSMEs have less wealth (or experience, thus, less human capital) relative to the teams behind other SMEs? Overall, there could be many other differences between the ‘general’ SMEs and the eSMEs in your sample, besides social capital differences. Again these questions point to the need to provide the reader with much more (detailed) insights into the eSMEs that are part of your sample.</p>	<p>In the paper, we have made better linkages between accessing various sources of finance and social capital. The success in one source (microfinance) and the obvious failure with bank finance suggests that eSMEs businesses are worthy of funding on par with their Irish counterparts. We conclude that the gap here is due to weaknesses in social capital. We have augmented our findings with an interview with the CEO of Microfinance Ireland, who highlighted the outreach programme MFI undertake to build relationships with different groups, including ethnic entrepreneurs.</p>
<p>I believe that the three issues above are so crucial, that these need to be addressed first, before more detailed feedback and comments will become relevant. Good luck.</p>	<p>No action required</p>
<p>1. Originality: Does the paper contain new and significant information adequate to justify publication?: Not confident. There is a lot of work on ethnic entrepreneurship and a lot of work on the impact of the financial crisis. This study simply combines the two literatures. But I am not sure we obtain ant new insights.</p>	<p>The literature in the paper has been augmented in relation to social capital and links to financial resources under the heading ‘Funding choices as predicted by POH through a social capital lens’ The gap in the literature is better developed and highlights the</p>

	<p>importance of the POH to Irish SMEs and adding the Irish dimension to the eSME story – Cooney and Flynn 2008.</p> <p>We have also rewritten the conclusions and recommendation to better highlight the contributions of this paper, in light of the literature.</p>
<p>2. Relationship to Literature: Does the paper demonstrate an adequate understanding of the relevant literature in the field and cite an appropriate range of literature sources? Is any significant work ignored?: Too much embedded in the Irish context.</p>	<p>This study deliberately focuses on Ireland and the motivations for that focus have been further explained in the methodology section of the paper.</p>
<p>3. Methodology: Is the paper's argument built on an appropriate base of theory, concepts, or other ideas? Has the research or equivalent intellectual work on which the paper is based been well designed? Are the methods employed appropriate?: I was expecting a better use of the interview data.</p>	<p>This methodology of this study has been more clearly discussed and the limited extent of open ended questions were better explained.</p>
<p>4. Results: Are results presented clearly and analysed appropriately? Do the conclusions adequately tie together the other elements of the paper?: Many conclusions were difficult for me to link to any evidence.</p>	<p>The first key research conclusion was a clear social capital gap between SMEs and eSMEs with respect to higher than normal refusal rates of loans from financial institutions and the failure of eSMES to avail of recourse options to appeal these refusals, despite evident awareness of these recourse options. An additional significant conclusion consistent with the research findings is that the ethnic entrepreneurs' reluctance to engage with available supports stems from weaknesses in their own and their community's social capital, as supported by their entrepreneurial eco-system.</p> <p>We contend that the conclusions of this paper uniquely sheds light on the ethnic-entrepreneur's awareness, understanding and in some cases, experiences of accessing bank finance, microfinance and other government supports in post-crisis Ireland.</p>
<p>5. Implications for research, practice and/or society: Does the paper identify clearly any implications for research, practice and/or society? Does the paper bridge the gap between theory and practice? How can the research be used in practice (economic and commercial impact), in teaching, to influence public policy, in research (contributing to the body of knowledge)? What is the impact upon society (influencing public attitudes, affecting quality of life)? Are these implications consistent with the findings and conclusions of the paper?: I am not confident the study will bring new insights to policy -makers.</p>	<p>The conclusions prompt critical recommendations as to how financial institutions, policy-makers and supporting government agencies can best support this group in the future and close this identified social capital gap. From this specific national experience, policy recommendations to more effectively support ethnic-minority entrepreneurs in accessing finance are identified and discussed. Therefore, we recommend that targeted training programmes for eSMEs, at all stages of the entrepreneurship lifecycle, need to be provided and advertised in multiple languages, to augment their cognitive social capital. Additionally, it is recommended that further research needs to be conducted to understand the contribution of eSMEs to innovation and high-growth firms in an Irish context and if/how inter-ethnic social capital is fostered and managed.</p> <p>Furthermore, it is recommended that the national government undertake additional targeted public information campaigns on the various existing governmental support programmes, to highlight their availability and suitability to ethnic entrepreneurs. It is likely that eSMEs would require more general additional support to assist them to overcome certain barriers and challenges (such as the language barrier) to access and use these supports and programmes. Moreover, issues around accessing governmental supports, as this research indicated in the case of the credit review office, may not be attributable to a lack of awareness of the support being available but may be more related to reluctance to</p>

	engage with the support, possibly due to cultural and/or language and/or procedural barriers. Undertaking more nuanced public information campaigns, whereby the ease of the supports' procedures is emphasised as much as their availability, would be recommended as this would mitigate against information asymmetry and opportunity cost concerns that may exist. In addition, the wider adoption of the ethnic-minorities languages on application forms or more standby interpreters to carry out enterprise business functions on behalf of the Government would assist.
6. Quality of Communication: Does the paper clearly express its case, measured against the technical language of the field and the expected knowledge of the journal's readership? Has attention been paid to the clarity of expression and readability, such as sentence structure, jargon use, acronyms, etc.: No comments on this front.	No action required

ⁱ[To apply for a microfinance loan, business entities have to be declined credit from a bank in Ireland. Microfinance loans range in size from €2,000 up to €25,000, are unsecured and have a maturity of 3 to 5 years.]

ⁱⁱ[An entrepreneurial ecosystem can be defined as 'the interaction of people, roles, infrastructure, organizations, and events that create an environment for heightened levels of entrepreneurial activity in driving economic growth (Regele and Neck, 2012: 26–27).]

ⁱⁱⁱ[Information on the project EMERGE is available at <http://www.partas.ie/Projects/EMERGE.aspx>].

^{iv}[TEA is a GEM indicator which assesses the percent of working age population both about to start an entrepreneurial activity, and that have started one from a maximum of 3 years and half.]

^v [According to the Irish Census (2011), 83per cent of the population are white Irish and 17per cent are all other ethnic groups. The proportion of the population that becomes entrepreneurs for the white Irish group is 8 in every 100 and in all other ethnic minorities it is 11 in every 100 (Fitzsimmons and O'Gorman 2014). Taking these facts together, we can roughly estimate the racial proportions of entrepreneurs in the population of Ireland around the sample time period; white Irish (83per cent x .08) = 6.64per cent and all other ethnic groups (17per cent x .11) = 1.87per cent. Therefore, (6.64 + 1.87) 8.51per cent of the population in Ireland are entrepreneurs and this roughly is divided into 78per cent of all entrepreneurs are white Irish and 22per cent of entrepreneurs are all other ethnic groups].

^{vi} [Statistics taken from ISME, 2013a; ISME, 2013b; ISME, 2014a; ISME, 2014b; and ISME, 2014c]

^{vii} [21 out of 26 eSMEs in this sample, who applied for bank finance irrespective of their success or not, attempted multiple times to secure bank finance. The majority of eSMEs (14) applied twice (table not reported).]

^{viii} [The barriers to accessing finance were rated by the respondents on a scale of 1 to 5 with 1 being not a barrier to 5 being definitely a barrier].

^{ix}[Only 20 of the 30 respondents expressed an opinion about barriers to attaining their business goals.]