Sustainability and Corporate Social Responsibility in Internationally Operating SMEs: Implications for Performance

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Abstract

International entrepreneurship as a field of study has, over the last two decades, shed light on many of the organizational strategy aspects prevalent in entrepreneurial internationalization. However, one area that has remained conspicuously absent in the discussion has been the relationship between corporate social responsibility (CSR)- and sustainability-related practices and successful internationalization. Both of these areas are increasingly relevant for companies in the environmental and business climate today, particularly for those originating from and operating in international markets where environmental awareness and good corporate behavior is increasingly demanded, both by consumers and by organizational buyers. Extant studies on other contexts have indicated that the relevance and impact of corporate sustainability and CSR may in the SME context be ambiguous and unique compared to larger firms. Therefore, we aim to shed further light on the phenomenon in the context of SME internationalization and international entrepreneurship.

The empirical sample of this study consists of 90 internationally operating Finnish SMEs across several industry sectors. The data were collected via an online survey in 2014, and we apply regression modeling to test the impact of corporate sustainability and CSR on international
performance. The findings indicate that CSR, rather than sustainability-related practices, is positively linked to increased international performance of SMEs. Moreover, CSR related to society has the largest positive impact on performance, overriding even that of CSR towards customers. These results will provide further implications on the dynamics of CSR and sustainability in international performance, in particular highlighting their impact on successful SME internationalization.

1 Introduction

Concepts related to corporate sustainability (CS) and corporate social responsibility (CSR) have remained vastly under-explored in international entrepreneurship literature: The recent reviews by Jones, Coviello and Tang (2011) and Peiris, Akoorie and Sinha (2012) do not find a single study on CSR, and indicate that sustainability is discussed within in traditional sense of the word in the literature (i.e., referring to competitive advantage of companies), rather than as social responsibility and sustainability in a more holistic sense. The latter refers to the “triple-bottom line”, i.e., business that is sustainable from the point of view of the firm - profit, of the society - people, and of the environment and ecology - planet (see Elkington, 1997). Moreover, in the Journal of International Entrepreneurship, only one paper (Kirkwood & Walton, 2010) has during this decade considered the role of sustainability-related practices in international entrepreneurship. That study explored ecopreneurs in New Zealand through a case study, but we still do not have a clear view on whether it is worthwhile for internationalizing SMEs to invest their time and resources to develop socially responsible and sustainable business practices for foreign markets, as the extant research on these topics in the context of international business overall has tended to focus on large multinational enterprises (MNEs) rather than on SMEs (Jamali et al., 2009).

While the research on CSR and sustainability on internationalizing enterprises has remained scarce, there are several reasons why this context is important to highlight: For one, internationalizing SMEs are resource-constrained by nature, lacking in e.g., marketing resources (Knight & Cavusgil, 2004). Thus, they may face distinct tradeoff decisions in how to balance their resources towards internationalization and developing CSR and sustainability-related practices. Second, CSR in the SMEs context presents a unique phenomenon (Mosing & Perrini, 2000; Perrini, 2006), and SMEs also face distinct challenges when engaging in sustainable practices (Gelbmann, 2010). Small firms further tend to view environmental practices as a burden rather than them being conducive to successful business (Revell &
Blackburn, 2007). All of these findings indicate that the impact of CSR- and sustainability-related practices on successful internationalization of SMEs is ambiguous and in need of further study.

Therefore, in this paper, we seek to highlight these phenomena further, by exploring the implications of sustainability for the performance of internationally operating small- and medium-sized enterprises (SMEs). We continue in the next section by discussing the (admittedly small number of) extant literature dealing with the phenomena of CSR and sustainability in the context of SME internationalization and, due to its absence in the international entrepreneurship literature, we concentrate on how CSR and sustainability are viewed in the SME context in general. Section 3 then introduces the research methodology, with the empirical results and discussion thereof provided in section 4. We conclude in section 5 by assessing implications and limitations of the results as well as potential future research avenues opened up by the present study.

2 CSR and Corporate Sustainability in internationalization of SMEs

2.1 CSR in the SME context

The extant research on CSR as a construct could be criticized as fragmented, considering that CSR has been defined and conceptualized in a multitude of ways in different streams of academic literature, resulting in lack of clarity (see Dahlsrud, 2008). Holme and Watts (1999) define CSR as "a duty of every corporate body to protect the interest of the society at large", and we, while adhering to this definition, also note that CSR can be extended not only towards the society as a whole, but also can be focused on e.g., customers, employees or the government (see Turker, 2009). CSR is often examined through the theoretical background of institutional theory (Freeman, 1984; Donaldson & Preston 1995), where organizations are recognized to manage a host of relationships with key stakeholders (e.g., customers and company shareholders, the local and national government, and the larger general public). A major implication therefore is that different types of shareholders beyond the owners of the company are considered important and taken into account when developing strategies (Neely et al., 2002), as the company aims to conform to the expectations and norms of different types of shareholders (Maignan & Ferrell, 2000).
Much of the literature on CSR has been conducted in the context of large companies (Revell & Blackburn, 2007). Research has often found CSR to be a unique phenomenon in management of SMEs, and most of the extant studies in the area have been mainly conceptual (e.g., Ciliberti et al., 2001; Gelbmann, 2010). CSR may be distinct in the SME context both theoretically and managerially: In terms of theory, Perrini (2006) has suggested that when studying the impact of CSR in the SME context, distinct theoretical approaches may be needed, with Murillo and Lozano (2006) further highlighting the difficulties SMEs have in trying to conceptualize CSR in the first place. In terms of practical management of companies, Gelbmann (2010) has noted that communicating CSR- and sustainability-related practices to the stakeholder may be particularly challenging for SMEs due to their characteristics. Indeed, Perrini et al. (2007) also find that smaller firms tend not to incorporate CSR as formalized strategies, whereas larger conglomerates may do so.

Still, the few empirical results there exist on the ways in which CSR impacts financial and growth outcomes in SMEs have tended to find a positive association: Longo et al. (2005) found that engaging in CSR practices may increase growth of SMEs. Similarly, several other studies have also linked increased CSR-awareness to better financial performance (Buciniene & Kazlauskaite, 2012; Torugsa et al., 2012). In the context of internationalization, we identify two types of CSR that may be particularly relevant: First of these is the CSR exhibited by internationalizing SMEs towards their customers: As SME internationalization has been recognized to be network-driven (Johansson & Vahlne, 2009; Johansson & Mattson, 1988; Coviello & Munro, 1997), we might expect that extending socially responsible corporate behavior towards one’s customers would enable further exchange of knowledge through these relationships and consequently, increasingly successful internationalization. Here, we refer to “CSR towards customers” (Turker, 2009) and posit that:

- H1: The higher the corporate social responsibility of SMEs towards customers, the better their international performance.

A second type of CSR that could be expected to be beneficial for global success of internationalizing SMEs might be CSR towards society. As outlined by Turker (2009), CSR towards society captures the willingness of a company to respond to the needs of the larger public, whether at the national level or at the local community level. Accounting for the needs of the local culture and for the expectations of the local employees, buyers and institutional
actors is crucial when internationalizing, since distinct foreign markets may require SMEs to adapt to the cultural and societal expectations of that target market (e.g., Meyer & Skak, 2002; Zhou et al., 2007), and internationalization at its core demands companies to adapt to the expectations of the target markets, both at the product level (Knight, 2001) as well as by aiming to adapt to the needs and expectations prevalent in the target markets. In addition, internationalizing SMEs tend to lack resources, and often marketing resources in particular (Knight & Cavusgil, 2004), and exhibiting socially responsible behavior may be a way for companies to achieve cost-efficient marketing (Jahdi & Acikdilli, 2009). For internationalizing SMEs, these potential benefits may mean that positive word-of-mouth at the societal level offers them the possibility to commit their main resources elsewhere, for example to activities leading to successful foreign operations. Therefore, we also hypothesize that:

- **H2**: The higher the corporate social responsibility of SMEs towards the society, the better their international performance.

In addition to CSR, exhibiting sustainable behavior through strategies related to minimizing the ecological footprints of the company and its products should be assessed in the context of internationalization: For instance, Aragón-Correa et al. (2008) found that SMEs that are most proactive with their sustainability-related practices achieve higher performance. Sustainability can be achieved for instance through environmental innovation (Biondi et al., 2002), highlighting the fact that the extent of sustainability in companies may reside both at the product, as well as at the overlying strategic level. Revell and Blackburn (2007) refer to “environmental performance”, and note that some managers may be reluctant to proactively improve it. However, here we are investigating how sustainability-related practices in SMEs impact their international performance, and investigate sustainable practices at the company level. Environmental strategies may help SMEs increase their exports in general (Martin-Tapia et al., 2010), and therefore we suggest that adapting sustainable practices at the product level may also enable SMEs to internationalize more successfully:

- **H3**: The higher the level of sustainability-related practices in SMEs, the better their international performance.

### 3 Research Methodology
3.1 Data Collection

We collected the empirical data during May-September 2014 via a cross-sectional web-based survey of Finnish SMEs. We drew up the initial list of firms to be contacted from the Amadeus online database, including the following industry sectors: forest industry, chemical industry, metal industry, other manufacturing activities and mining and quarrying, energy supply, water supply, waste management and construction. This list resulted in 1130 SMEs total, each of which were then contacted via phone and asked to participate in the survey.

During this process, we aimed to exclude non-suitable firms such as those without independent decision-making capacity (e.g., recently acquired by a larger company and/or made into a sub-branch or a subsidiary), and this resulted in the exclusion of 78 in total. Moreover, a total of 311 of the contacted SMEs declined to participate, citing a lack of time as the most important reason to do so. Similarly, despite several attempts at reaching the most relevant decision-makers in the SMEs, most often the CEOs, a total of 306 them were not reached during the data collection process. In our opinion, a likely reason could have been the timing of the data collection: late June and the month of July tend to be holiday season in Finland, limiting the reach and availability of both employees and executives in the work context.

The survey itself was developed by a group of researchers who translated the adapted scale items from literature to Finnish. A professional language editor was then employed for the purposes of conducting back-translation, and the back-translated survey compared with the original one, in order to ensure that the items in the survey retained their intended meaning throughout the process. The questionnaire was then pre-tested with two managers in order to ensure that it was as a whole understandable to the potential respondents.

The responses of the SMEs who had been contacted and who had agreed to participate in the survey were tracked and two rounds of reminder e-mails were consequently sent to those who had not responded: one round two weeks after the first contact, and another a week before the data collection was concluded.

After completion of the data collection process resulted in a total of 148 responses, making for a 14% response rate (148/1052). While we do not consider such a response rate a particularly high one, we note that it being above 10%, there may not be much difference in possible non-
response biases for any surveys with less than 80% response rate (see Rogelberg & Stanton, 2007). We further consider the large length of the survey as a potential reason for lowering the resulting response rate.

Of the final respondents, 61% (91) had international operations and thus constitute the final sample for the purposes of this study. These SMEs had on average 58 employees, were on average 34 years old, and were operating internationally since 20 years, on average.

3.2 Measure Development

We adapted the measure for CSR from Turker’s (2009) study. Specifically, we used a 7-point Likert scale items to measure both CSR to society and CSR to customers, and applied principal component factor analysis with varimax rotation method to develop the final scale measures used in the analysis. The resulted two-factor solution captured a total of 70 per cent of the total variation, with Kaiser-Meyer-Olkin measure of sampling adequacy (KMO) of 0.75 and Bartlett's test of sphericity being statistically significant at the 1 per cent risk level. The factor loadings and communalities of the scale items are illustrated in table 1. These two factors had Cronbach’s alpha values of 0.90 and 0.73, respectively.

(Take in table 1)

As the extant literature does not go into detail on scales measuring the attitudes towards environmental sustainability in SMEs, particularly in the context of international entrepreneurship, we included a set of items partly adapted from Carter et al. (2000) from the context of environmental purchasing, but also included an exploratory set of our own items in order to help develop such a scale. The resulting one-factor solution captured a total of 64 per cent of the total variation, with KMO value of 0.78 and a significant Bartlett's test (p < 0.01), and the Cronbach's alpha value for the resulting measure was 0.86, indicating sufficient reliability. The factor loadings of the individual items varied between 0.7 and 0.9, with the communality values all being in the 0.5-0.8 range. The final scale items for the sustainability measure were as follows:
• We pay much attention to the environmental hazards resulting from the manufacture of our products
• We apply the lifecycle analysis when we assess the environmental friendliness of our products
• Our products are part of the process reducing environmental hazards and/or climate change
• Preventing damage to nature is a central goal of our business activities
• Production saving natural resources is a central goal of our business activities

For measuring international performance, we similarly used a subjective performance measure consisting of 7-point Likert-scale items accounting for managerial assessment on the degree of success that the SME had achieved in light of their internationalization. The one-factored result of the principal component analysis explained explained 79 per cent of the total variance, with KMO value of 0.92 with Bartlett's test of sphericity again significant at the 1 per cent risk level. In addition, the resulting seven-item scale exhibited sufficient reliability (Cronbach's alpha = 0.95). Therefore, we deemed the measure for international performance sufficiently reliable and valid to be applied in our analysis. The final scale items were:

• Generally speaking, we are satisfied with our success in the international markets.
• We have achieved the turnover objectives we set for internationalization.
• We have achieved the market share objectives we set for internationalization.
• Internationalization has had a positive effect on our company’s profitability.
• Internationalization has had a positive effect on our company’s image.
• Internationalization has had a positive effect on the development of our company’s expertise.
• The investments we have made in internationalization have paid themselves back well.

Finally, we also included relevant control variables in our analysis, by controlling for firm size (the number of employees) and firm age (in years) in our analysis. The descriptives and the correlation table of the variables used in the empirical analysis can be seen in table 2.

(Take in table 2)
4 Results and Discussion

The overall results of the hypotheses testing are illustrated in table 3. The regression model including only the control variables (table 3, model 0) was statistically significant, \( F=6.98, p<0.01 \) with both the size \( (\beta=0.27, p<0.05) \) and the age \( (\beta=0.23, p<0.05) \) positive and significant. Therefore, model 0 indicated that both size and age predicted increased international performance on their own, with larger, older SMEs having achieved better performance through foreign operations. This result could be seen as expected, since the internationalization efforts of SMEs tend to be restricted by their lack of resources (Buckley, 1989; Burpitt & Rondinelli, 1998), e.g., marketing resources (Knight & Cavusgil, 2004). Consequently, larger firms may be more likely to possess the human and financial resources to more fully fulfill their international and global strategies. Similarly, older SMEs may have had more time to acquire the foreign market knowledge that successful internationalization tends to require (Johansson & Vahlne, 1977; 2009), and the experience gained over time by the management team of an SME may have a beneficial impact on internationalization of SMEs (Reuber & Fischer, 1997). In our model, these variables predicted a total of 13 per cent of international performance among the SMEs \( (\text{adj. } R^2=0.13) \).

\((\text{Take in table 3})\)

The second step saw the testing of the established hypotheses, positing that increased CSR to customers (H1) and to society (H2), as well as increased sustainability (H3) would predict increased international performance among SMEs. As seen in table 3 (model 1), both CSR to society \( (\beta=0.50, p<0.01) \) as well as CSR to customers \( (\beta=0.21, p<0.05) \) predicted increased performance, and as the model remained statistically significant \( (F=6.94, p<0.01) \), H1 and H2 received support from the analysis. As the value for adjusted \( R^2 \) increased by 0.14, from the 0.13 in model 0 to 0.27 in model 1, the results suggest that the total explanatory power of CSR to the international performance was overall ca. 14 percent. In addition to CSR having a positive impact on performance, the impact of CSR to society was particularly strong, with the coefficient \( \beta \) value being high and highly significant at the 1 per cent risk level.

Finally, higher levels of sustainability were not linked to increased international performance, as the coefficient for the former was not statistically significant \( (p>0.05) \), and thus H3, postulating a positive relationship between the two did not receive support from the analysis.
In fact, the coefficient for sustainability was negative (β=-0.26), suggesting that less sustainable practices could be expected to lead to increased international performance instead. However, the correlation between the sustainability and performance variables was, while non-significant at the 5 per cent risk level, still positive (Pearson’s correlation coefficient of 0.15), and therefore as a whole we consider the results on the impact of sustainability on the performance inconclusive.

5 Conclusions

International entrepreneurship literature has remained remarkably silent on concepts related to corporate sustainability (CS) and corporate social responsibility (CSR). There might be several reasons for this absence of research. The few existing studies on these topics suggest that international entrepreneurs may face particular tradeoff decisions in how to balance their resources towards internationalization and developing CSR and sustainability-related practices. Also, CSR in the SMEs context presents a distinct phenomenon, and SMEs also face unique challenges when engaging in sustainable practices. Furthermore, small firms tend to view environmental practices as a burden rather than them being beneficial to successful business. Based on these contradictions and the obvious gap in international entrepreneurship literature, the current paper sought to scrutinize these phenomena further, by exploring the implications of sustainability for the performance of internationally operating small- and medium-sized enterprises (SMEs).

Much of the earlier literature on CSR overall has been conducted in the context of large companies, and is predominantly conceptual in nature. Only a very few empirical results exist on the ways in which CSR impacts financial and growth outcomes in SMEs. Therefore, our empirical study with data from internationally operating Finnish SMEs across several industry sectors provides an important contribution to the body of literature. Our results confirm that CSR, rather than sustainability-related practices, is positively linked to increased international performance of SMEs. Moreover, CSR related to society has the largest positive impact on performance, overriding even that of CSR towards customers.
In sum, we found that CSR, rather than sustainability-related practices in themselves, came to determine international performance among SMEs. The fact that we applied a CSR construct developed for general use, and found a significant impact from it to performance in of SMEs specifically, seems to point towards the applicability of CSR in general to be studied in the SME context. Thus, we see these results as complementing the notes of Mosing and Perrini (2000) and Perrini (2006) who suggested that distinct approaches to examining CSR may be required when examining SMEs: our results provide some evidence that the general approach may be suitable as well.

Conversely, the fact that sustainability-related practices bore no effect on international performance of SMEs, is in line with Gelbmann’s (2010) finding that sustainability in the SME context may be a challenging concept for them to make use of. The reasons for the fact that there was no linkage between sustainability and international performance in our data may be many, but one reason for the non-significant results might be that environmentally friendly production in itself may not be a sufficient condition to increase the competitive advantage of an SME globally, since sustainability can be valued more or less, depending on the foreign markets in which the company is operating. Consequently, if potential customers abroad do not see sustainability as a major reason to invest in the products of the SME, it may be better off investing its relatively scarce resources into innovation or internationalization itself.

Moving beyond our data, we can speculate that the interest towards CSR and sustainability is likely to increase among international entrepreneurs. Recent finding suggest that the ownership structure of the company may affect CSR practices (Cuadrado-Ballesteros, Rodríguez-Arizá & García-Sánchez, 2015), and that CSR may impact performance in international markets more or less, depending the type of innovations the company is developing (Costa, Lages & Hortinha, 2015). Our present study did not include detailed assessment of such ownership and innovation structures, and thus they present a potential avenue for extending the scope of these results further.

In sum, we recognize that additional work bridging various countries and industries will be required to test the relationships we theorized, and to further discover whether the concepts and
measures we applied on CSR and sustainability are appropriate in studying the performance of international entrepreneurial firms.
References


of knowledge development and increasing foreign market commitments. Journal of International Business Studies, 8(1), 23–32.


Table 1. The results of the PCA for the CSR scale.

<table>
<thead>
<tr>
<th>Items</th>
<th>CSR to Society</th>
<th>CSR to Customers</th>
<th>Communality</th>
</tr>
</thead>
<tbody>
<tr>
<td>Our company participates to the activities which aim to protect and improve the quality of the natural environment</td>
<td>0.88</td>
<td></td>
<td>0.78</td>
</tr>
<tr>
<td>Our company makes investment to create a better life for the future generations</td>
<td>0.86</td>
<td></td>
<td>0.75</td>
</tr>
<tr>
<td>Our company implements special programs to minimize its negative impact on the natural environment</td>
<td>0.82</td>
<td></td>
<td>0.67</td>
</tr>
<tr>
<td>Our company targets a sustainable growth which considers to the future generations</td>
<td>0.88</td>
<td></td>
<td>0.80</td>
</tr>
<tr>
<td>Our company contributes to the campaigns and projects that promote the well-being of the society</td>
<td>0.76</td>
<td></td>
<td>0.59</td>
</tr>
<tr>
<td>Customer satisfaction is very important for our company</td>
<td></td>
<td></td>
<td>0.83</td>
</tr>
<tr>
<td>Retaining customers is the most important priority in our organisation</td>
<td></td>
<td></td>
<td>0.79</td>
</tr>
<tr>
<td>Customer satisfaction guides our company’s goals</td>
<td></td>
<td></td>
<td>0.79</td>
</tr>
</tbody>
</table>

Table 2. The correlation table of the variables used in the analysis.

<table>
<thead>
<tr>
<th></th>
<th>Mean</th>
<th>Std. d.</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 CSR to Society</td>
<td>4.21</td>
<td>1.37</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2 CSR to Customers</td>
<td>5.91</td>
<td>0.90</td>
<td>0.10</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3 Sustainability</td>
<td>4.03</td>
<td>1.41</td>
<td>0.69**</td>
<td>0.15</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4 International performance</td>
<td>4.20</td>
<td>1.40</td>
<td>0.40**</td>
<td>0.20</td>
<td>0.15</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5 Number of employees</td>
<td>58.26</td>
<td>52.31</td>
<td>0.21</td>
<td>0.04</td>
<td>0.14</td>
<td>0.28**</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>6 Company age (years)</td>
<td>33.76</td>
<td>25.35</td>
<td>0.10</td>
<td>-0.01</td>
<td>-0.01</td>
<td>0.20</td>
<td>0.26*</td>
<td>1</td>
</tr>
</tbody>
</table>

**p<0.01
*p<0.05
Table 3. Results of the hypotheses testing applying linear regression analysis.

<table>
<thead>
<tr>
<th>Independent variables</th>
<th>Model 0 (Controls only)</th>
<th>Model 1 (International Performance)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>β</td>
<td>t-value</td>
</tr>
<tr>
<td>CSR to Society</td>
<td>0.50</td>
<td>3.62**</td>
</tr>
<tr>
<td>CSR to Customers</td>
<td>0.21</td>
<td>2.14*</td>
</tr>
<tr>
<td>Sustainability</td>
<td>-0.26</td>
<td>-1.86</td>
</tr>
<tr>
<td>Firm size (number of employees)</td>
<td>0.27</td>
<td>2.58*</td>
</tr>
<tr>
<td>Firm age (years since foundation)</td>
<td>0.23</td>
<td>2.09*</td>
</tr>
<tr>
<td>adj. R²</td>
<td>0.13</td>
<td></td>
</tr>
<tr>
<td>F</td>
<td>6.98**</td>
<td></td>
</tr>
</tbody>
</table>

(*p<0.05, **p<0.01)