



Motivators of SME initial export choice and the European Union regional effect in manufacturing

Article

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Motivators of SME export initiation choice and the European Union regional effect in manufacturing

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Abstract

Purpose – A global reach in exporting has been linked to profitability. The paper seeks to answer the influence of EU regulations on exporting decisions of UK manufacturing SMEs by investigating the home and host country based motivators behind SMEs' choice to export, and export regionally, within the EU.

Design/methodology/approach – Contrasting the Uppsala and Resource-based view perspectives (using a sample of UK independent manufacturing SMEs and utilizing a survey, correlation analysis and factor analysis), the paper finds and describes the effect of the most recurrent motivators from the literature on the SMEs' decision to export within the EU or not.

Findings - The paper finds that SMEs whose latest international market entry was not in the EU scored significantly higher in the factor scorings for the motivators in the external dimension than participants whose latest entry was in the EU. Several motivators show an association with the choice to export per se. The importance of regionalization to export initiation (and EU membership) within the EU is emphasized in the results.

Practical implications – In the current climate, how can SMEs reduce market research costs for managers by relying solely and proactively on home country and internal advantages and motivators and being more aware of their surroundings? Managers and policymakers can direct their strategy, resources and policy more efficiently according to motivators; internal home country motivators (e.g. strengths of prices of products) direct the SME to overcome inter-regional liability of foreignness while host country motivators (e.g. legal restrictions in the host country) direct them to regional ventures.

Originality/value –The literature and empirical work on the topic has been fragmented and conflicting focusing on specific motivators but not necessarily justifying the selection or origin of motivators even less on SMEs or taking into account regionalization. The topic of EU membership effect on UK SMEs has been under researched.

Keywords – Small to medium-sized enterprises, resource-based theory, export, motivation, United Kingdom, manufacturing.

Paper Type – Research paper

Introduction

The factors that set off SME growth (including exporting) are still in need of research (Bamiatzi and Kirchmaier, 2014). In international business research, the general consensus is that there is a positive relationship between international involvement of small and medium-sized firms (SMEs) and firm performance (Hilmersson, 2014). Edmunds and Khoury (1986) present the importance of exporting for SME profitability stating all SMEs should export. However, up until today the entry mode and pre-export phase research conducted on large multinationals is still much larger than on SMEs (Chellilah *et al.*, 2010; Hilmersson, 2014). Much of the literature on the internationalization of SMEs involves a contrast between the process or stages approach (i.e. incremental learning), originated by Johanson and Vahlne (1977; 1990), and the international new ventures or 'born global' approach (Knight and Cavusgil, 2004; Oviatt and McDougall, 1994). Yet, as Fillis (2001) states the majority of frameworks fail to readily explain smaller firm internationalization behaviour and motivations. Research on geographical proximity for SME exporting has not focused on the inter-regional liability of foreignness between the European Union (EU) and its motivations, while it has been shown that SME internationalization performance is affected by geographical scope (D'Angelo *et al.*, 2013; Rugman, 2003).

Work on the origin of the behavioural triggers of exporting (including location) is not as widespread as the work on the definition of the motivators per se (Tan *et al.*, 2014). In addition the absence of any unifying theory for SME growth means that the literature continues to feature varied and fragmented growth measures explaining SME growth and exporting (Dobbs and Hamilton, 2007). Furthermore, previous research on regionalization and exporting has focused predominantly on the regional nature of large multinationals, as opposed to SMEs, while traditionally international trade in goods (and services) has been regarded as the principal channel for economic integration (Beleska-Spasova and Glaister, 2009; Cerrato and Piva, 2015). Behavioural triggers, or motivators, initiate the learning process by alerting the decision-maker to possible opportunities that are presented to the firm through an international venture. Although exposure to stimuli factors is insufficient for a firm's initial internationalization as it is the manager who acts as mediator, it is nonetheless an essential condition for its future foreign market engagement and sequential exporting venture as it determines the internationalization path (Tan *et al.*, 2007). Whether decision-makers perceive relevant stimuli or not will influence a firm's foreign market commitment (Wiedersheim-paul *et al.*, 1978). As Leonidou *et al.* (2007) state research shows exporters are more favourable to motivators than non-exporters. As the European Commission (2010) shows, only 4% of EU SMEs have an export plan or intention.

Therefore the question remains; what is the effect on SMEs of home and host country based motivators in their decision to export and what is the regional effect of EU membership? What is the influence of EU regulations on exporting decisions of manufacturing SMEs from the UK? Where do these motivators stem from, the home country environment or the host country environment? The study suggests there is a critical difference in the impact of host country and home country motivators (amongst which EU membership) in managers' attitude towards initiating exporting and regionalization, particularly for sequential exporters. It also finds an association between home country motivators and exporting and a positive relationship between host country motivators and the EU market which conforms to previous research on exporting motivations and risk (Bilkey and Tesar, 1977; Reid, 1983; Wilkinson and Brouters, 2006).

The results show that EU markets offer a clear incentive for inexperienced or risk-averse exporters despite the high level of regulations yet many managers are not aware of it. Overoptimism is linked to lower duration in business ownership (Dawson *et al.*, 2014), and

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3 that is why it is significant to research the motivators of exporting rather than relying on
4 overoptimism. For risk-averse managers, this means paying close attention to the host
5 environment as the closer markets seem to be ideal (particularly due to psychic distance) for
6 inexperienced SMEs. As Wiedersheim-Paul *et al.* (1978) note decision-makers who perform
7 more passive activities and have less positive attitudes toward exporting are less likely to
8 benefit financially from export strategies. The paper aims to provide a guide for a better
9 understanding of where firms stand in their pre-export phase and readiness with regards
10 particularly to the EU market, and where improvements in their capabilities might lie. This
11 aids in enhancing the future use of the motivation constructs presented in this paper.
12 According to Hollensen (2004), the stimulation is particularly important as the overall
13 decision to initiate exports is usually made by the president or CEO of the SME.
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17 **Literature review**

18 Looking for answers in the previous research in the area of entry-mode selection and the pre-
19 export phase it can be seen it has mostly been theoretical, disconnected, and the behavioural
20 pre-export phase research is neglected (Anderson and Gatignon, 1986; Dunning, 1988; Hill *et*
21 *al.*, 1990; Leonidou *et al.*, 2007; Naranayan, 2015; Tan *et al.*, 2007). The existing empirical
22 research has mostly focused on the manufacturing sector (Harvie and Charoenrat, 2014;
23 Rosnan *et al.* 2016; Trimeche, 2003; Zucchella and Siano, 2014) or contained a mix of
24 sectors and industries (Hemilä and Vilko, 2014). The service sector has seen a rise in research
25 albeit smaller (Agarwal and Ramaswami, 1992; Aykol and Leonidou, 2014; Fayos Gardo' *et*
26 *al.*, 2015). As Leonidou *et al.* (2007) state in their review of the motivator literature, the
27 literature on pre-export phase firm behaviour has, till now, has been non programmatic (with
28 duplication of work), fragmented, inconsistent, and approached only partially specific
29 motivators while neglecting other critical ones and finally did not offer an analysis of the
30 importance of each stimulus to exporting. It is evident that unification and analysis of the
31 most significant existing motivators within the literature and a closer look at the more recent
32 topics of SMEs and exporting is necessary, particularly within the EU regional setting.
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36 *Export research*

37 Export research has gone through an evolution over the past three decades from looking at
38 why firms export (and which factors contribute to high export activity) to studying export
39 performance (the relationship between export strategy and export performance), to
40 comparative studies and large sample research (e.g. Zou *et al.*, 1998; Dhanaraj and Beamish,
41 2003). Several recent empirical studies have examined the impact of export related activities
42 (e.g. Alborno *et al.*, 2012; Becker and Egger, 2013; Keizer *et al.*, 2002; Trimeche, 2003;
43 Shih and Wickramasekera, 2011; Verardi and Wagner, 2012) albeit less on SMEs (e.g. El
44 Makrini, 2015; Freeman *et al.*, 2012; Ortiz *et al.*, 2012).
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47 *Export location research*

48 Location has an impact on export performance and profitability (Cerrato and Piva, 2015;
49 Freeman *et al.*, 2012). Regional strategy has become more significant recently for SMEs
50 while quick and reactive managerial responses (at times without foreign market knowledge)
51 have become potentially counter-productive (Chatterjee and Cheng Hwa, 2000). Furthermore,
52 Rugman and Hodgetts (2001), and Rugman (2003), emphasize the importance of
53 regionalization to business as they stress that firms are in essence regional, countering the
54 assumption of a globalized international business status quo.
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Export motivator research

Motivational factors are amongst the most important dimensions to export readiness (Segal *et al.*, 2005). They refer to “*all those factors triggering the decision of the firm to initiate and develop export activities*” (Leonidou *et al.*, 2007). Seringhaus and Rosson (1989) divide export barriers into four large categories: motivational, informational, operational/resource-based, and knowledge. Motivators can also be separated into proactive/reactive (e.g. foreign market knowledge/unsolicited order also known as push/pull; Leonidou *et al.*, 2007; Tan *et al.*, 2007) and internal/external (e.g. excess capacity/government policy; Leonidou *et al.*, 2007); internal being those that derive from within the firm and external from the environment. Proactive motivators denote a firm’s interest in exploiting a unique organizational competence or market opportunity, and reactive indicate engagement in export activities as a response to internal or external pressures (Leonidou *et al.*, 2007). Not all home country variables are proactive, i.e. not all initiate from within the firm, such as domestic competition (Leonidou *et al.*, 2007).

Most of the empirical research viewed the SME’s involvement in international operations as an evolutionary and sequential process, based on the fundamental assumption that export activity develops from a series of incremental decisions. Theoretical development has been based mostly on the “Uppsala Internationalization Model” (Johanson and Widersheim-Paul, 1975; Johanson and Vahlne, 1977, 1990; Lynn Childs and Jin, 2014), suggesting that firms move through stages of psychological commitment as they grow from being non-exporters to being actively involved in exporting with higher commitment emphasizing knowledge gathered through experience in foreign activities, psychic distance, and the incremental resource commitment of the firm. The international expansion of firms is a learning process in which firms progressively gain international experience (Armario *et al.*, 2008; Försgren, 2002). This model suggests that firms are instigated mainly reactively usually via an unsolicited order from the host country without taking into account that exporting can occur via planned or unplanned strategies (Crick and Spence, 2005; Melin, 1992). In addition a lot of work has been based on internal resources as instigators, the resource-based view, and managerial competence (Barney, 1991; Dhanaraj and Beamish, 2003). The Uppsala model has been challenged as lacking in explanatory power and testability (Andersen, 1993; Reid, 1983; Reilly and Sharkey Scott, 2014; Turnbull, 1987), as being overly simplified, and as being out of date (Johanson and Vahlne, 2009).

Exporting SMEs and the EU common market

SMEs are the fastest growing segment in international trade and critical to economic growth accounting for approximately 50% of global GDP and 60% of global employment (Bamiatzi and Kirchmaier, 2014; Gerlach-Kristen *et al.*, 2015; Kushnir *et al.*, 2010). Small firms accounted for 99.3% of all UK private sector businesses, 48% of private sector employment and 33% of private sector turnover (United Kingdom Department for Business Innovation and Skills, 2015). SMEs within the EU contribute more towards net job creation than their larger counterparts (De Kok and De Wit, 2013). Although declining in share of UK economic output and number of firms as other industries rise, the manufacturing sector still represents 44% of UK exports, and the UK remains the world’s 11th largest manufacturer (United Kingdom House of Commons Library, 2015; United Kingdom Department for Business Innovation and Skills, 2015).

With the issue of the repercussions of Britain leaving the EU growing in debate, the role of the EU as a lure for SME exporting is more and more a matter of argument. Within the context of SME internationalization for UK SMEs the EU common market is viewed as a

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3 significant motivator by 81% of UK SMEs and this is because of the advantages it bestows to
4 the SME; red tape and border bureaucracy has been reduced, and trade within the EU has
5 risen by 30% since 1992 (European Commission, 2007). However, as Mulhern (1995) points
6 out many of the developments of the EU common market are not favourable to SMEs
7 necessarily, as policies are criticised as being ineffective for SMEs leading to a debate on
8 whether SMEs are triggered by EU membership or simply proximity.
9

10 Governmental export promotion policies' results, while at times positive (Ali and
11 Shamsuddoha, 2014) have been heavily criticised for their inefficiencies and lack of targeting
12 (Bernard and Jensen, 2004). Nevertheless, most SMEs noted regulation as one of their
13 biggest barriers in the EU despite the advantages in trade (see for example, Demary *et al.*,
14 2016, for a list of the barriers). As SMEs in manufacturing have been hit hard by the recent
15 crisis, can they afford to direct their efforts to the EU market regionally? What attracts them
16 there?. There is currently no universal method to evaluate the cost to SMEs of compliance to
17 EU regulations. Nevertheless, the attitudinal factors affecting managers can be assessed.
18 80% of world trade among regions is merchandise trade - that is, only 20% of world trade is
19 in services (United Nations Conference on Trade and Development, 2014). The EU is the
20 UK's main export destination along with the United States of America (Beleska-Spasova and
21 Glaister, 2009).
22

23 Despite opportunities, trade flows continue to be concentrated within regions rather than
24 between regions. 63% of Europe's exports remain within Europe (Eurostat, 2014). In general,
25 SMEs have fewer resources (particularly financial) to adapt to turbulence and crises and are
26 thus the most affected by them, they thus have to adapt to these situations using varied
27 strategies such as exporting to face the challenges (Calof, 1993; O'Rourke, 1985;
28 Organisation for Economic Co-operation and Development, 2015). As Kahiya (2013) states,
29 export barriers (and inversely motivators) can determine the internationalization path and
30 speed of the SME.
31

32 Within the market entry strategy, exports represent a most common, and often initial, stage
33 which allows SMEs to gain international experience, grow and to reduce uncertainty in
34 foreign markets (Leonidou *et al.*, 2007; Love and Roper, 2015; Majocchi *et al.*, 2005; Zou *et al.*,
35 1998). Therefore, exports are regarded as an optimal (Hinson and Abor, 2005), and most
36 recurrent (Johanson and Vahlne, 1990; Jones, 2001; Rosnan *et al.*, 2016) basis for SMEs to
37 begin internationalization as the international expansion of SMEs is regarded as a process
38 whose activities develop incrementally over time. As Hilmersson (2014) states, the strategy
39 of firm internationalization can be seen as a relevant predictor of performance particularly
40 during market turbulence.
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43 **Theoretical framework and hypotheses**

44 The 27 variables selected from the literature, after narrowing down from 44 using principal
45 component analysis, are presented in table 1 (e.g. excess capacity, legal restrictions,
46 unsolicited order) and are recurring in the literature (Driscoll, 1995; Kuada and Sørensen,
47 2000; Leonidou *et al.*, 2007).
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[Table 1]

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4 The factors, as is presented below, are categorized as technological, reactive, marketing,
5 external and internal. Following Leonidou *et al.* (2007)'s classification of export stimuli, the
6 paper finds that the 44 motivators (or stimuli) assessed can be presented as 5 factors (or
7 dimensions) and re-categorized according to their contribution to key functional areas of the
8 organisation; the 27 final variables are higher contributors to key functional areas of the
9 SME's organisation meaning they have been deemed by the literature as having a higher
10 impact on the decision to export (Leonidou *et al.*, 2007). Technological motivators are those
11 that add to R&D and increasing value through technology, marketing motivators are those
12 that add value through marketing, reactive motivators are external instigators associated with
13 reactive behaviour as per the literature (Leonidou *et al.*, 2007; Johanson and Vahlne, 1990),
14 external and internal motivators are proactive motivators yet sub divided into internal and
15 external according to provenance, not belonging to technology or marketing or any specific
16 sub-category. These can be seen in the theoretical framework;
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22 [Figure 1]
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25 In accordance with studies on export behaviour (Pan and Tse, 2000; Barkema and
26 Droogendijk, 2007; Andersson *et al.*, 2004) the paper is not process based (Welch and
27 Paavilainen-Mäntymäki, 2014) but contributes to the internationalization process research
28 using variance data with variance theory accessing present export choices at one point in time
29 (e.g. Barkema and Droogendijk, 2007). In the paper the effect of the motivators is assessed
30 during the year of export and as a single move. Age, as D'Angelo *et al.* (2013) point out, does
31 not have a significant effect on export success. Size is measured at the present point of first
32 export year and degree of internationalization, for example, is measured at one point in time
33 as percentage of international to total sales (e.g. Andersson *et al.*, 2004). The firms are
34 classified according to degree of commitment to internationalization and export status as in
35 Rao and Naidu (1993) where "stage" of internationalization does not denote a process but a
36 "type" (i.e. Mode and degree of commitment). The stages are not seen as sequential per se
37 (Wickramasekera and Oczkowski 2006), but as varying in commitment levels and are
38 categorized accordingly. Thus, the latest entry mode of all firms used in the paper is
39 exporting and the factors are all assessed for their influence at one point in time.
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42 As Leonidou *et al.* (2007) state the effect of motivators varies in time and must be
43 assessed at a specific point in time in accordance with a specific setting. These motivators are
44 situational; i.e. act at one point in time (Driscoll, 1995; Kuada and Sørensen, 2000; Leonidou
45 *et al.*, 2007). As in the literature, following the manufacturing-services literature dichotomy
46 mentioned above, the paper uses a holistic manufacturing setting (e.g. Weaver and Pak, 1990;
47 Hart and Tzokas, 1999; Kennon *et al.*, 2015) at a specific point in time (the year of the first
48 move abroad) to study the phenomenon. The motivators tend to be home-based (Alrashidi,
49 2014; Leonidou *et al.*, 2007). As Leonidou *et al.* (2007) state, the stimulation effort is
50 generally (but not solely) based on reactive factors and this may lead the firm into
51 problematic export paths. The effort should be based on proactive factors (e.g. firm-specific
52 advantages) as each opportunity is examined carefully to ensure that it conforms to the
53 company's goals for profits, sales and is overall strategic export plans (Soininen, 2013; Wolff
54 *et al.*, 2015).
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56 Following the Uppsala model perspective common amongst SMEs (Bilkey and Tesar,
57 1977; Johanson and Vahlne, 1977, 1990) and Barney's (1991) resource-based view of internal
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3 competences (Dhanaraj and Beamish, 2003; Lin and Wu, 2014; Peng, 2001; Terziovski,
4 2010; Westhead *et al.*, 2001), the paper investigates whether the hypothesis that proactive
5 (home country-specific) are more prone to lead to risk-loving expansion further away from
6 the home market and region, than reactive (host country-specific) motivators (Reid, 1983;
7 Leonidou *et al.*, 2007; Morschett *et al.*, 2010) is true:
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11 ***H1: Home motivators are positively associated with the choice to export outside the EU***
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14 The motivators tested lead the firm to export specifically through their direct impact.
15 Leonidou *et al.*, 2007 argue that firms motivated by host country pressures (or low impact
16 motivators) are less likely to engage in exporting (particularly high commitment outside their
17 region) due to their inertia, lack of know-how, and their being risk-averse. In particular for
18 SMEs, sensitivity and flexibility to react to events in their surrounding network contacts are
19 critical capabilities for successful internationalization (Zhang *et al.*, 2014). Reactive host-
20 country based external motivators lead to risk-averse strategies particularly within the EU
21 common market (Morschett *et al.*, 2010):
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25 ***H2: Host motivators are positively associated with the choice to export in an EU country***
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28 For SMEs, acting when faced with specific opportunities and searching the environment can
29 be a critical competitive advantage (Fiet *et al.*, 2013). The existence of successful
30 multinational firms and of significant, repeated, stimuli from both the home and host country
31 associated with exporting per se can encourage innovation and expansion by smaller firms
32 outside of their own region and reduce research costs (Tödtling and Kaufmann, 2001):
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36 ***H3: The selected motivators are associated with the choice to export***
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39 [Figure 2]
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44 *Methodology-Participants* The definition of SME adopted by the paper is the EU SME definition of
45 2003 (European Commission, 2003). The main factors determining whether an enterprise is
46 an EU SME are:
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49 [Table 2]
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54 The SMEs are all independent (i.e. not subsidiaries) in manufacturing; the questionnaire
55 was used to single out the exporters with a recent (5 years) latest entry into a foreign market.
56 The year of establishment of the sample's firm ranges from 1920 to 2004, with the majority
57 of the firms having registered with companies house (and hence been established) between
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3 1981 and 2004. Following the methodology, as representative sample a sample of 648
4 independent and registered SMEs with international activity were singled out.

5 As the response rate for SME surveys is not usually very high, e.g. 10-15% (Jobber and
6 O'Reilly, 1998; Dennis, 2003), the paper targeted all of the enterprises from the sources of
7 data and achieved an overall response rate of 15.9% from complete questionnaires using
8 prenotification (e.g. Jobber, 1986). Questionnaires with Likert-type scales were then sent out
9 during the period of 2010-2011 to all the 648 independent SMEs working within
10 manufacturing in the UK which have been singled out from the databases. The questionnaires
11 were sent to the CEOs of each SME as strategic decision makers, in line with the research of
12 John (1984) and Hollensen (2004) regarding selecting knowledgeable informants.

13 A total of 105 questionnaires were returned presenting exporting activity from a total of
14 648 questionnaires sent out, out of which 103 were complete and 2 were not, i.e. they had
15 more than 30% of their data missing (Acock, 2005). The response rate achieved for the total
16 number of sent questionnaires was satisfactory according to the literature (Leonidou, 1995;
17 Jobber and O'Reilly, 1998).
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22 *Questionnaire design*

23 As proven and universal constructs do not exist for these variables appropriate scales had to
24 be constructed using the literature on SME motivators (e.g. Kim and Hwang, 1992; Leonidou
25 *et al.*, 2007), thus the scale of 1-7 was deemed most appropriate for the discrete variable (as
26 seen in table 1) and 1-2 for the dichotomous variables. The international market entry mode
27 variable was measure using a 1-5 ordinal scale increasing in resource commitment with
28 1=exporting, 2=licensing, 3=franchising, 4=joint-venture, 5=FDI, and exporters singled out.
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30

31 *Measures*

32 Since we were interested in identifying motivators for latest entry mode in the EU, we used
33 principle component analysis (PCA) to reveal latent unobserved variables underlying our 47
34 questionnaire items. Using the Wilcoxon rank sum test, we then looked for any significant
35 differences in the mean factor scores between these motivators in order to identify if some
36 motivators were more likely to result in entry into the EU market. Convergent and
37 discriminant validity was examined through the use of the Fornell-Larcker criterion (Fornell
38 and Larcker, 1981), i.e. by comparing the average variance extracted from the latent variables
39 to the square of correlations between the latent variables obtained using confirmatory factor
40 analysis. Finally, internal consistency and reliability were examined using Cronbach's α . For
41 the entire analysis, a significance level of $\alpha \leq 0.05$ was used when attempting to reject the
42 null hypothesis.
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44

45 *Identifying the motivators using principle component analysis*

46 Principal component analysis with varimax rotation revealed 15 components with
47 eigenvalues > 1.0 , however, the Scree plot (Figure 3) shows an elbow at five components,
48 which we interpreted as being the: external dimension; technology dimension; research
49 dimension; reactive dimension; and marketing dimension. Furthermore, for our sample size
50 of 103 participants, we only interpreted factor loadings $\geq |0.5|$, as recommended by
51 Stephens (2002), resulting in 27 items in total (see Table 4 for components and item
52 loadings). Bartlett's test of sphericity was significant, $\chi^2(1081) = 2044$, $p < 0.01$, providing
53 evidence to support that the correlation matrix diverges from the identity matrix. The Kaiser-
54 Meyer-Olkin (KMO) measure of sampling adequacy was an acceptable 0.6 after dropping
55 three items with low individual KMO values prior to constructing the model. Finally, the root
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means squared residual (RMSR) was 0.09, which is below the 0.1 threshold for an acceptable model fit.

[Figure 3]

[Table 3]

Reliability and validity

Cronbach's α was used to test for internal consistency and reliability of the items that make up the five components and returned the following: external dimension (alpha = 0.89); research dimension (alpha = 0.69); technology dimension (alpha = 0.81); reactive dimension (alpha = 0.72); and marketing dimension (alpha = 0.71), which are fairly reasonable scores given the subjective nature of the data. The total internal consistency for the entire questionnaire was reasonably high (alpha = 0.83), therefore the questionnaire was reliable within the acceptable limits.

Although the factor loadings are of themselves evidence to support construct validity (i.e., items load more strongly on one factor than the others), to further ensure convergent validity, we used confirmatory factor analysis with the same items from the PCA model to extract the average variances. The average variance extracted (AVE) was > 0.5 for the external dimension (0.51), the technology dimension (0.51), and the marketing dimension (0.59), providing evidence to support satisfactory convergent validity. The same was not true for the research (0.4) and reactive (0.2) dimensions. These two variables were therefore not considered for further analysis. Discriminant validity was assessed by comparing the AVE to the squared factor correlations as shown in correlation matrix in table 5. In all cases the AVE $>$ the squared factor correlations, therefore our model demonstrated discriminant validity. Overall we report that although the model is valid, it has room for improvement.

[Table 4]

Findings

To investigate the EU effect, the data was split into two groups; those whose latest market entry was in the EU; and those whose latest market entry was not in the EU (a categorical independent variable with two levels). From there any significant differences in average factor scores retrieved from our principle component analysis between the two groups were assessed using the Wilcoxon rank sum test. The results reveal that participants whose latest entry was not in the EU scored significantly higher in the factor scorings for the external dimension than participants whose latest entry was in the EU ($W = 437$, $p = 0.02$). There were no significant differences between the two groups for the other components. A priori power analysis reveals that for a two-tailed t-test, a medium effect size ($d = 0.5$), a significance level of $\alpha = 0.05$, and a power ($1-\beta$) of 0.7, the required sample size is 100; Thus making the sample size of 103 adequate (e.g. Chelilah *et al.*, 2010; Chowdhury *et al.*, 2015).

Correlation analysis was also run against the SMEs' latest entry mode selected i.e. exporting as in previous SME work (Albornoz *et al.*, 2012; Keizer *et al.*, 2002; Kmiecik *et al.*, 2012; Shih and Wickramasekera, 2011; Yee-Loong Chong *et al.*, 2014). The results of the correlation analysis can be seen in tables 6 and 7.

[Table 5]

[Table 6]

Discussion

*the results indicated with an asterisk are presented with caution since they did not load into any of our five significant components, in addition our sample size was fairly small.

H1: Home motivators are positively associated with choice to export outside the EU

Impact of political stability UK/Economic stability UK/Legal restriction UK/Legal incentives UK

The results reveal that participants whose latest entry was not in the EU scored significantly higher in the factor scorings for the external dimension than participants whose latest entry was in the EU ($W = 437, p = 0.02$). This can, in part, be explained by the importance of external factors, (eg. Red tape, policy and bureaucracy), towards exporting in the EU. With favourable external conditions (government policy, legislation, setup costs, etc) the SMEs' liability of foreignness can decrease allowing for many SMEs to be more risk prone and venture beyond their region. As a matter of fact the lack of adequate public support is considered a barrier for European SMEs more with reference to EU markets than with reference to third markets. This is possibly related to the fact that generally somewhat larger and more experienced SMEs are active in non-EU markets and to the fact that 20% of SMEs are not aware of public support programs available to them (European Commission, 2010).

*Extent of R&D/ Extent of new external technology**

The results show how (internal) research and development and use of new external technology are positively associated with the choice to export outside the EU; just like adopting a new technology, a high level of R&D can give the firm an advantage in creating innovative products which can be irreplicable or patented and thus creating also a competitive advantage for the firm giving proactive managers the edge they need to expand abroad. Coe and Helpman (1995) find a positive and statistically significant effect of (domestic) R&D stock on total factor productivity growth.

Foreign market knowledge

Foreign market knowledge is positively associated with the firm exporting outside of an EU country. The variable foreign market knowledge differs from international experience, as foreign market knowledge is specific to foreign markets, as opposed to the general experience from the process of internationalization (Root, 1982). Foreign market knowledge is a proactive variable, which like international experience, can give a competitive advantage to the firm allowing it to bypass obstacles such as costs, adaptation, and researching markets (Armario *et al.*, 2008).

According to Aharoni (1966), the corporate decision making approach on foreign direct investment by SMEs is a managerial process. As Zou *et al.* (1998) state, export performance and success are under control of management more than external factors. Musteen *et al.*,

(2014) note how foreign market knowledge prior to the first international venture had a positive impact on venture performance.

*Strengths of prices of products**

Strengths of prices of products (i.e. the perceived level of elasticity of price by the manager) is negatively associated to exporting within the EU. As with most host country motivators, this is the opposite of what occurs with the home country equivalent motivator. This is because of the fact that host country motivators affect the firm by “pulling” it whilst home country motivators affect by “pushing” the firm. If a firm manages to succeed in having a ready market abroad where its products are already accepted and demand is high then it may even consider internationalizing there regardless of the situation at home unless it is better than the opportunity abroad and cannot risk any move (in terms of resources) or unless it is too bad in the home country and the firm cannot afford it (Majocchi and Zuchella, 2003).

H 2: Host motivators are positively associated with the choice to export in an EU country

Impact of political stability host/Legal restrictions in the host country/ Economic stability in the host country

Legal, political and economic restrictions are the equivalent of their home counterpart but in a foreign country, acting as a barrier or inducement to the firm. The variables are positively associated with the SME's decision to internationalize into a foreign country within the EU. This is due to the fact that they are proactive “pull” variables and as the situation in the host country worsens for the proactive SME so do the opportunities it has to enter this market, and vice versa. It's the pull factor that attracts the firm towards the country (Dawson and Henley, 2012; Dunning and Lundan, 2008) but it can also become a push factor if the legal restrictions become negative such as high taxation for foreign firms or high red tape for foreign firms coming to do business in the country.

*Market potential of the host country**

The variable shows a positive association with the decision to export in the EU. Like its UK counterpart, it deals with the potential of the market (i.e. demand and purchasing power) but in the host country. As the pull factor of the host market potential rises, the chance of the firm internationalizing beyond the EU and taking a chance into a further away market is higher. As the OECD (2009) states, SME managers in the UK seem to be motivated reactively mainly by the search for a larger market.

*Acceptability of the firm's products in the host country**

Acceptability of products in the host country is positively associated with the choice to export inside the EU, showing that as the acceptability of products in a host country rises, the chances of the firm exporting outside the EU will not necessarily rise. It seems the acceptability of the firm's products is not a strong enough motivator to warrant the SME's involvement and risk in regionally foreign markets (unlike strengths of prices), particularly for inexperienced SMEs. In the case of SMEs it is highly unlikely that the firm would reach the point of having a large market share due to its limited resources and, at times, size (Calof, 1993; O'Rourke, 1985). This is also why firm size could be a barrier to export intensity for some SMEs, albeit not for all (Bonaccorsi, 1992).

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9 H 3: The selected motivators are directly associated with the choice to export

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11 *Firm's first entry mode choice**

12 The SME's first ever international entry mode seems shows an association with the choice to
13 export. It seems the SME's first steps can affect its sequential choices thus challenging the
14 arguments that internationalization involves incremental learning (Johanson and Vahlne,
15 1990; 2009) and strategy does not involve bias from the manager's perspective. As foreign
16 market knowledge is also associated with exporting it seems the manager's knowledge may
17 come from previous moves abroad which affect his/her consequent decisions.
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19
20 *Competitor beginning to export*

21 As for the pull motivation of an unsolicited order, the push motivation of a competitor in the
22 home market beginning to export is associated with the choice to export. It is unclear whether
23 it can lead to internationalization beyond the EU markets but it is evident that it can lead to
24 stimulation of exporting (Lynn Childs and Jin, 2014; Johanson and Vahlne, 1977, 1990;
25 Johanson and Widersheim-Paul, 1975).
26

27
28 *Government policy**

29 This motivator is associated with the choice to export. As government policy is (mostly)
30 considered a barrier (Leonidou, 2004), it is expected it will show association. Government
31 policy can determine the final entry mode that the firm selects and can force the firm to
32 change or stop its plans for expansion (Ali and Shamsuddoha, 2014) as a moderator. For a
33 firm ready to internationalize motivated by a specific motivator, such as a firm-specific
34 advantage, a change in government policy towards higher levels of barriers would alter the
35 firm's strategy and slow down its internationalization, if not end it, according to the costs it
36 can bear, to the level of experience of the manager or the strength of its competitive
37 advantage (Bernard and Jensen, 2004).
38

39
40 *EU membership of the UK*

41 This motivator showed an association with the choice to export. As mentioned above, the EU
42 common market and region can provide an incentive for many SMEs to internationalize,
43 particularly for newcomers or resource constrained firms (Beleska-Spasova and Glaister,
44 2009; Freeman *et al.*, 2012). This could provide interesting findings for SME policy and
45 regionalization as it is evident that EU membership is a stimulus for UK SMEs to export into
46 the EU markets.
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48
49 **Conclusions**

50
51 *Summary and theoretical implications*

52 It was hypothesized that home country motivators would positively affect the choice to
53 internationalize outside of the EU whilst host country motivators would positively affect the
54 choice to internationalize in an EU country. The findings of this paper reinforce and extend
55 previous work on exporting and export promotion such as the work of Leonidou (2007). They
56 contribute not only to the academic debate on export theory by providing new deterministic
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3 measures for motivator variables (Dobbs and Hamilton, 2007), but also provide input into a
4 real world dilemma such as the importance of EU membership to SMEs exporting. The paper
5 provides a platform for the future use of motivational constructs in export motivation
6 research.

7
8 The paper has demonstrated the significance to export readiness and direction (in the
9 current climate) of managers' perceptions of government policy, legal restrictions, economic
10 stability and EU membership to SME exporting; and how it can shape results and research
11 costs by avoiding premature export decisions based on low impact motivators or reactive
12 haste decisions.

13 14 *Practical implications*

15 Boosting, researching and encouraging the international activities of SMEs is of vital
16 importance for managers and policy itself (Hilmersson, 2014; Knight, 2000; Luostarinen and
17 Welch, 1990) particularly exporting (Hinson and Abor, 2005). According to the Organization
18 of Economic Co-operation and Development (2009) SME managers perceive the lack of time
19 to deal with internationalization as a significant barrier, the findings aim to speed up this
20 process and provide clarity. Thus, taking full advantage of the EU membership in the current
21 climate is important for risk-averse managers willing to export, as Cerrato and Piva (2015)
22 state there is a positive relationship between a global reach and profitability.

23 24 25 *Limitations*

26 It would be interesting, with a larger sample, to investigate the differences of the effects of
27 motivators on SMEs, then on medium sized firms and compare them amongst each other
28 including subsidiaries. The same applies for cross-regional country studies.
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Table 1 Motivators tested and their scales

Motivator	Scale
Latest country entered was EU?,	1-2
Firm's latest foreign market entry mode	1-5
Firm level stimuli - In-house research, Uniqueness of products, Excess capacity, Unsold inventories, Capability to develop products, , Extent of customization, Extent of new technology combinations, Extent of new in-house technology, Extent of R&D, Servicing products, Understanding of customers,	1-7
External stimuli - Economic stability UK, Economic stability HOST, Legal restrictions UK, Legal restrictions HOST, Legal incentives UK, Acceptability of firm's products UK, Acceptability of firm's products HOST, Market potential UK, competitor beginning to export, increased domestic competition, Impact of political stability UK, Impact of political stability HOST,	
Managerial stimuli - Decision maker's knowledge of foreign markets, Quality of management	

Table 2 EU SME definition criteria

Company category	Staff headcount	Turnover	Or	Balance sheet total
Medium-sized	< 250	≤ € 50 m		≤ € 43 m
Small	< 50	≤ € 10 m		≤ € 10 m
Micro	< 10	≤ € 2 m		≤ € 2 m

Table 3 Loadings and dimensions

Component	Item loadings	
External Dimension	Item	Loading
	Impact of political stability UK	.74
	Impact of political stability host	.79
	Economic stability UK	.76
	Economic stability host	.77
	Legal restriction UK	.73
	Legal restriction host	.79
	Legal incentives UK	.61
	Technology Dimension	Item
Uniqueness		.53
Capability to develop products		.66
Extent of customisation		.55
Extent of new technology combinations		.72
Extent of new in-house technology		.83
Extend of R.D.		.69
Research Dimension	Item	Loading
	Servicing products	.63
	Quality of management	.66
	Knowledge of foreign markets	.64
	Understanding of customers	.67
	In house research	.66
Reactive Dimension	Item	Loading
	Competitor beginning to export	.56
	Accumulation of unsold inventories	.75
	Excess capacity	.5
	Increased domestic competition	.64
	Unsold inventories	.73

Marketing Dimension	Item	Loading
	Acceptability of firm's products UK	.7
	Acceptability of firm's products Host	.53
	Market potential UK	.5

Table 4 – Factor correlations and average variance extracted for external, technology, and marketing dimensions

	External	Technology	Marketing
External	0.51 (AVE)		
Technology	0.2	0.51 (AVE)	
Marketing	0.23	0.06	0.59 (AVE)

Table 5 Correlation analysis results**“latest country entered was EU”**

Variables	rh	P-Value
Economic stability Host	0.2	0.05
Legal restrictions Host	0.26	0.01
Acceptability of the firm’s products Host	0.2	0.05
Market potential Host	0.28	<0.01
Stengths of prices and products	- 0.2	0.05
Extent of new external technology	0.22	0.03
Extent of R&D	0.21	0.04
Knowledge of foreign markets	0.28	< 0.01

Table 6 Correlation analysis results**“Latest foreign market entry mode”**

Variables	Rh	P-Value
Firm’s first entry mode	0.28	< 0.01
Competitor beginning to export	0.2	0.05
Government policy	0.2	0.05
EU membership of the UK	0.2	0.05

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Figure 1 Theoretical framework

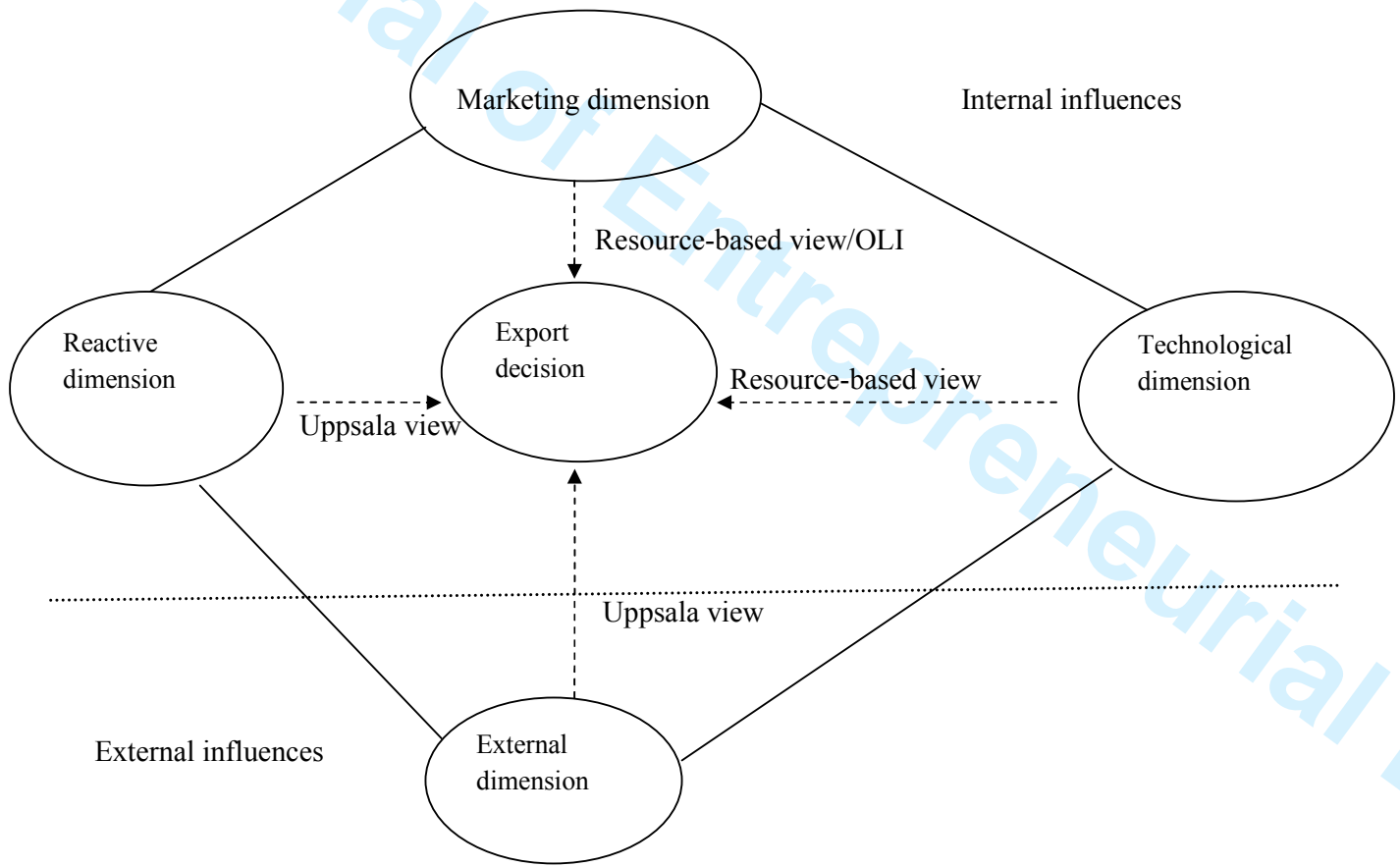
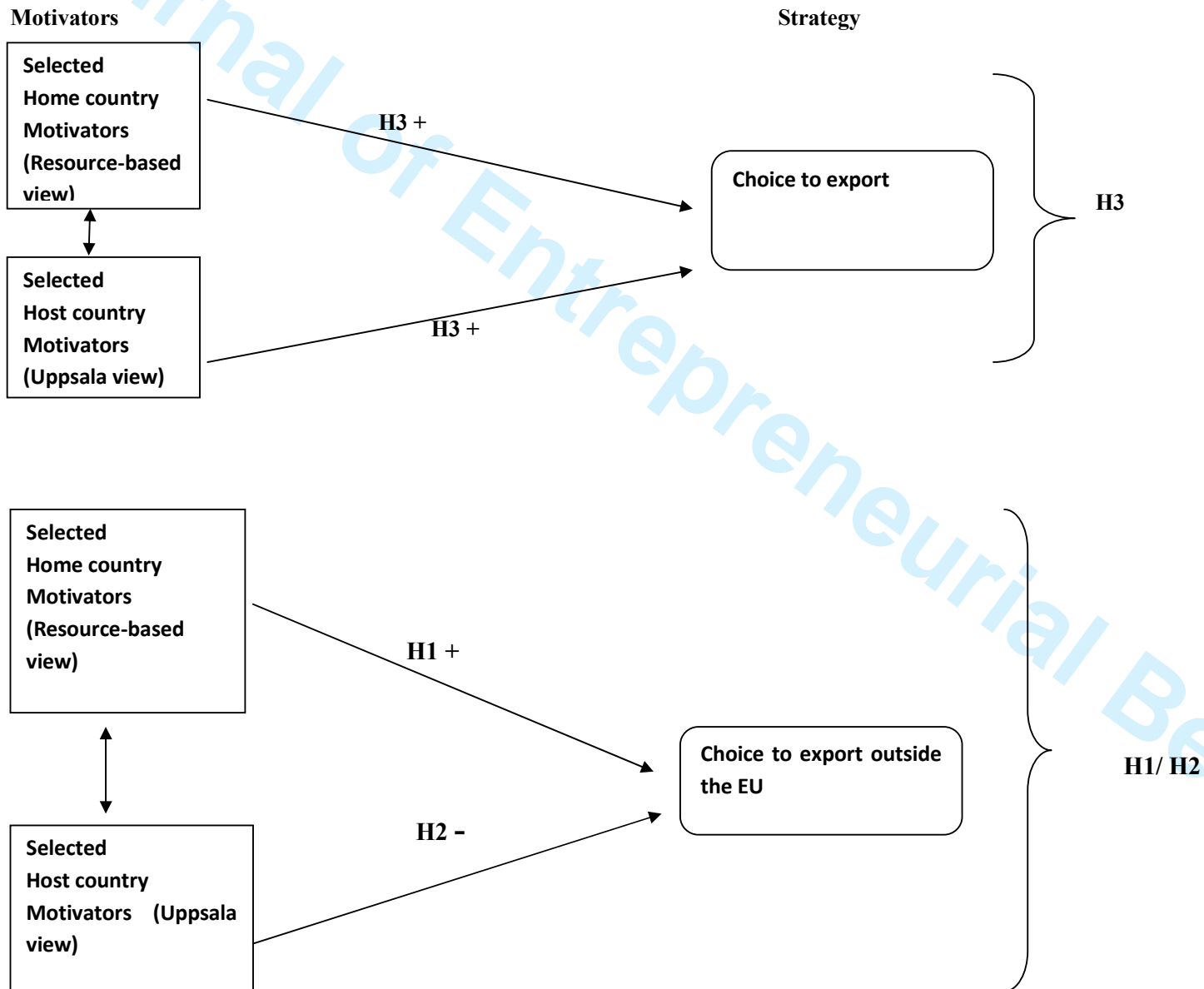
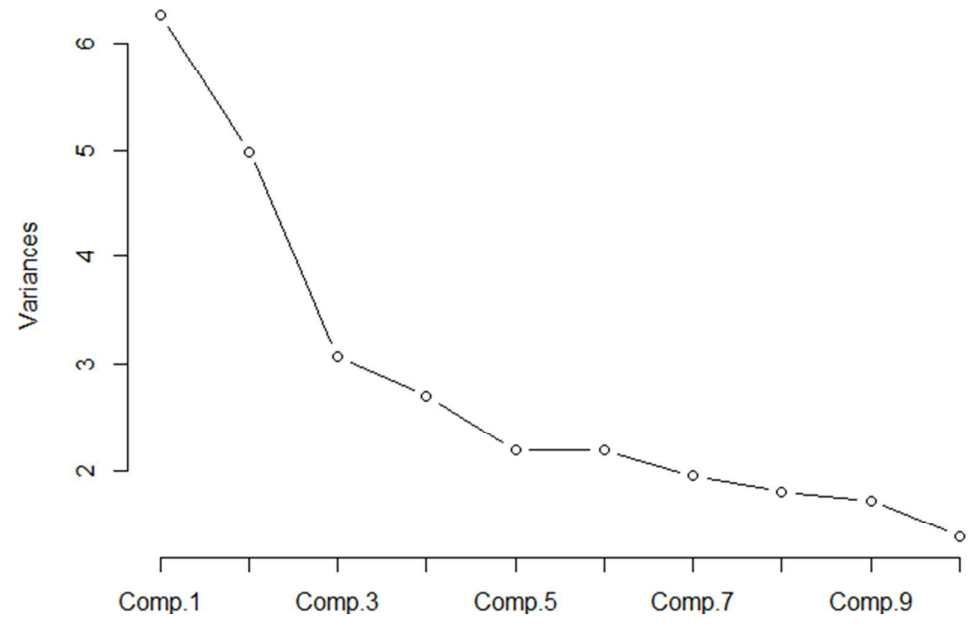


Figure 2 The associations tested by the hypotheses.



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Figure 3 Scatter plot



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