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Rosemary Stockdale
Edith Cowan University

Craig Standing
Edith Cowan University

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The Barriers and Benefits of the Electronic Marketplace Environment for SMEs

Dr Rosemary Stockdale
School of MIS
Edith Cowan University
Perth, Australia
r.stockdale@ecu.edu.au

Professor Craig Standing
School of MIS
Edith Cowan University
Perth, Australia
c.standing@ecu.edu.au

Abstract

Although there are many initiatives to encourage SMEs online, not all have been successful. It may therefore seem premature to discuss electronic marketplaces in the context of SMEs. However, if SMEs ignore e-marketplaces a number of problems can result. E-marketplaces present a significant threat to SMEs since they increase competition and leave non-participants vulnerable to more e-enabled firms. This paper examines the barriers and benefits of e-marketplaces in the context of SMEs. It first addresses the nature of e-marketplaces, before identifying the benefits that may be realisable by SMEs from participation. Drawing on the literature, the barriers facing smaller firms in this environment are discussed. Identification of these barriers, such as lack of standards, supply chain integration and global trading, enables a greater understanding of how SMEs can plan effective strategies to gain from e-marketplace participation.

Keywords: Electronic marketplaces, SMEs, benefits, barriers

1. Introduction

The availability and falling costs of personal computers has had a major effect on the ability of small to medium sized firms (SMEs) to compete in electronic commerce (Cragg & King 1993; Poon & Swatman 1999). The impact of e-commerce has been a mixed blessing for many firms. The breadth and speed of the changes brought by the Internet has radically altered the business landscape. Firms need to plan effective strategies to realise benefits from the dynamic and information rich environment (Downes & Mui 1998). The electronic environment can be intimidating to many smaller firms, and the development of information systems such as electronic marketplaces remains a mystery to many SMEs.

It may seem premature to discuss e-marketplace adoption by SMEs since many are not yet secure with other, perhaps simpler, applications of e-commerce. However, there are problems associated with a decision to ignore e-marketplace opportunities. The ability of e-marketplaces to facilitate trading over regional and geographic boundaries at low cost and without regard to the size of the firm opens up all markets to broader competition. While this supports firms in seeking new markets, it also leaves traditional markets open to outside competition.

The contribution of this paper is to define the potential benefits that can be obtained by SMEs participating in e-marketplaces and to examine the barriers that smaller firms need to overcome to benefit from participation. SMEs need to understand e-marketplace opportunities to develop informed strategies (Brunn, Jensen & Skovgaard 2002). This will enable decisions regarding participation to be taken more effectively by smaller firms seeking to extend their markets, to retain contracts with larger organisations or to deal with competition from non-traditional competitors.

The paper is structured as follows. We first discuss the nature of e-marketplaces and how they work. We then draw on the literature to examine the benefits and barriers of participation or non-participation for SMEs. This is used to develop guidelines on how smaller businesses can develop strategies to support electronic marketplace participation.

2. The Nature of E-Marketplaces

The existence of marketplaces in human society has a long history from before the Agora of Ancient Greece to the online trading places of the 21st century. Trading of goods and services for other goods or for money is central to the concept of human socialisation (McMillan 2002). The advent of the electronic environment has not changed the principles of markets and marketplace trading, merely the way we go about it. In essence, the technology facilitates the business of the market, but it is not the reason for the market to exist. Online markets must offer an advantage over traditional markets if they are to succeed and encourage firms to overcome any difficulties arising from the using the technology. Consequently, an online market must be as rich, complex and complete as a traditional market and must create extra value for its users (Kambil & van Heck 2002).

The development of electronic marketplaces followed swiftly on the use of the Internet for businesses purposes. The initial proliferation of e-marketplaces proved to be unsustainable and a forecasted period of consolidation is now underway (Forrester Research 2000). The number of marketplaces in any one industry sector has been considerably reduced and the methods of transacting business and generating revenue have matured. In addition, the scope of the value add facilities has increased and become more targeted to the market. In this evolving environment there is some confusion as to what constitutes an electronic marketplace. Bakos' (1991) early definition of "an interorganisational information system that allows the participating buyers and sellers to exchange information about prices and product offerings" has been widely accepted (Choudhury, Hartzel & Konsynski 1998; Clemons, Reddi & Row 1993; Forrester Research 2000). This definition has been refined and updated to take account of the changes in the e-marketplace environment and the terminology that has arisen from developments of the World Wide Web. Terms such as e-hubs, portal, exchange and auction are used in different contexts with contradictory meanings assigned to them. To avoid confusion, but with due acknowledgement of the complexity of the environment we have incorporated the key elements of several definitions (Federal Trade Commission 2000; Grieger 2003; Raisch 2001; Sculley & Woods 2001; Weill & Vitale 2001). Based on this and for this paper an e-marketplace is defined as :

An interorganisational information system that allows multiple buyers and sellers, and other stakeholders, to communicate and transact through a dynamic central market space, supported by additional services.

3. How E-marketplaces Work

Despite the differences and wide variety in market makers' business models three main elements in the structure of an e-marketplace are identified by the literature:

- ◆ The origins of the marketplace, who owns and operates it
- ◆ The transaction mechanisms that are offered by the marketplace
- ◆ The additional facilities that a marketplace offers to its participants.

3.1 Ownership models

Ownership models have become more diverse as the number of marketplaces has increased and market makers have reviewed and refined their business models. Four identifiable marketplace structures have been recognised:

3.1.1 Intermediaries

One of the earlier models of ownership, intermediary marketplaces operate services across industry sectors concentrating on delivering generic services such as auction facilities or value add services (Skjott-Larsen, Kotzab & Grieger 2003). They bring together buyers and sellers to allow trading to take place through a variety of mechanisms.

3.1.2 Consortia

The intermediary marketplaces were soon followed by large multinational organisations investing in partnerships to form unprecedented collaborations with competitors to launch industry specific marketplaces (Raisch 2001). The structure of the consortium style marketplace gives advantages to the owners by providing a focal trading point to attract suppliers to a specific industry. Suppliers' advantage lies in access to supply chains of large organisations.

3.1.3 Hierarchies

A more recent development has been the increase in the number of private marketplaces or hierarchies. Large organisations invest in and host their own marketplaces thereby retaining control of the facilities they develop and offer to suppliers (Bar 2002). Such marketplaces require a large investment of time, money and technical expertise and are beyond the scope of many organisations. However, the development of off-the-shelf software may enable smaller companies to launch less complex versions. Included in the hierarchical model are the increasing number of government e-marketplaces. These fall into two categories; e-procurement hubs for government and government hosted sites to support and encourage e-commerce.

3.1.4 Cooperatives

The cooperative or large group ownership structure of e-marketplace is anticipated to arise in the near future. This model is based on a group of stakeholders cooperating as market makers for common interest. Common interest may lie within the type of industry, a geographic area or a specific goal (Standing & Stockdale 2003a).

3.2 Transaction Mechanisms

There are several different transaction mechanisms evident in electronic marketplaces, the most common being online catalogues, auctions, negotiation facilities and exchange. There is a great variety within each of these mechanisms. For example, over 30 types of online auction have been identified (Davis 2001) and the types and features of catalogues are numerous (Stanoevska-Slabeva, & Schmid 2000). Currently, there is little empirical evidence of the optimum type of mechanism for different goods and services, although categorisations of e-marketplace types have been made (Kaplan & Sawhney 2000; Sculley & Woods 2001). Some market makers specialise in one mechanism, for example, FreeMarkets (www.FreeMarkets.com) specialises in auctions while others offer a range of mechanisms. For example, Quadrem (www.Quadrem.com) offers negotiation, catalogues and auction. The exchange mechanism tends to be more prevalent where established exchanges have established a web presence, such as the London Metals Exchange (www.lme.co.uk).

3.3 Additional Facilities

Market makers use value-add facilities to enhance the attractiveness of their websites in pursuit of the competitive advantage necessary to survive in the developing environment of e-marketplaces (Bakos 1991). The facilities on offer range from information services such as a listing of industry events, research papers, tutorials and news, to transaction orientated facilities. These include insurance, online payment, escrow, completion of customs paperwork, data warehousing and tracking of deliveries. E-marketplaces can contribute to the enhancement of trust by offering verifications services and screening of potential trading partners (Choudhury et al. 1998). Some market makers adopt the community site model, well described by Hagel and Armstrong (1997), offering a complete range of facilities relevant to a specific industry or regional area. Market makers who have a good understanding of their target participants develop market models to enhance the value proposition for marketplace members. Value-add facilities play an important role in creating such models.

3.4 Income Models

An additional factor that may influence the selection of an e-marketplace by any prospective participant is the method of income generation. There are several methods of income generation including transaction fees, licence fees, advertising and the sale of marketing data. The most common method is the transaction related fee where buyers or suppliers pay a percentage of the transaction value to the market maker (Kambil & van Heck 2002). Licence fees are less attractive to smaller firms who are reluctant to commit to an untested trading platform. These two methods of income generation are seen to deter buyers and sellers from entering marketplaces and this is influencing market makers towards generating income from service fees on value-add facilities where participants are seen to be more willing to pay (Federal Trade Commission 2000; Kambil & van Heck 2002).

4. Benefits and Barriers for SME Participation in E-marketplaces

SMEs seeking to develop a strategy to support participation in electronic marketplaces require an understanding both of the benefits to be gained and the barriers to be overcome. This section of the paper examines the literature to identify the benefits and barriers.

4.1 Benefits

The advantages of e-commerce participation for SMEs relate to their ability to keep pace with a changing business landscape. Brought about by information technology (IT), these changes include facilitated access to global markets, changed production methods and costs, enhanced communication, reduced transaction costs and stimulated competition (Sculley & Woods 2001; Timmers 1999; Tumolo 2001). The size of the firms enable SMEs to be more adaptable and responsive to changing conditions than large organisations (Walczuch, van Braven & Lundgren. 2000) and to benefit from the speed and flexibility that the electronic environment offers.

The new environment promises much to SMEs from e-commerce, but adoption levels remain low (Levy & Powell. 2003; Mehrtens, Cragg & Mills. 2001; Poon 2000). This is partially due to a lack of understanding of the benefits SMEs can achieve (Goode 2002) and of unrealistic expectations of benefits and the difficulties of evaluating them (Poon 2000). In contrast, the literature on electronic marketplaces does not differentiate between size of firm, but rather takes a 'one size fits all' approach to benefits (Fariselli, Oughton, Picory & Sugden. 1999). Identified benefits that can be of relevance to SMEs are given in Table 1.

Table 1: Benefits to be gained from SMEs participation in e-marketplaces

Advantage	Benefits	Source
Access to a wider range of markets	For suppliers there is the potential to broaden the company's target market globally by seeking out marketplaces with a global reach For buyers there is potential to widen the supplier base to find lower prices or new product line.	Brunn et al. 2002; Essig & Arnold. 2001; Fariselli et al. 1999; Senn 2000; Tumolo 2001
Greater potential for partnerships	Electronic communication enhances the ability to maintain geographically distant relationships through e-mail and multimedia programs, thereby support widening the supply/seller base.	Hurwitz 2000; Tumolo 2001
Flexibility in administration and communication	The use of the electronic environment enhances the flexibility and accuracy of administration procedures and facilitates communication within a company and across partnerships.	Brunn et al. 2002; Hermanek, Schlemmer, Hope & Huff. 2001; Hurwitz 2000
Information	An advantage of many e-marketplaces is the accumulation of information into one site. It is in the interest of both market maker and participants that all parties are well informed, although a level of trust in the marketplace must be established to maintain confidence in the sources of information. In addition, information exchange is enhanced through the offering of multimedia applications for marketing, tendering, and design purposes. Designs and plans can be presented via site for tendering purposes using software drawing packages. Some sites offer Web services to develop marketing for their participants.	Bakos 1998; Brunn et al. 2002; Burton & Mooney. 1998; Essig & Arnold. 2001; Lin & Hsieh. 2000; Weill & Vitale 2001
Improved customer services.	The ability to tailor customer services to individuals is well supported online and e-marketplaces facilitate this ability. For example, Ford anticipates that it will be able to supply car dealerships with special order models within two weeks through receiving online specifications.	Bakos 1998; Burton & Mooney. 1998; Tumolo 2001
Updating of information	Many marketplaces support instant updates of catalogues and price lists, product specifications and configurations. Traditional catalogues are expensive to print and distribute and require additional printing costs to update them. Cost of online updates are substantially lower.	Baron et al. 2000; Stanoevska-Slabeva, & Schmid 2000; Tumolo 2001
Lower transaction costs	Search costs for new buyers/suppliers are substantially lower. Additionally electronic transaction processing such as order entries, online payment options and order tracking are seen as more efficient and less expensive.	Bakos 1998; Clemons et al. 1993; Malone et al. 1987; Modahl 2000; Tumolo 2001

Differentiation of products and services/customisation	The transparency of information in e-marketplaces enables companies to identify where they can differentiate their products and services from competing companies within the same marketplace.	Brunn et al. 2002; Burton & Mooney. 1998; Korchak & Rodman. 2001
Ability to enter supply chain for larger companies	Large companies have broadened their supplier bases through the use of e-marketplaces. The advantages of cost and speed that can be gained from trading online are available to companies of all sizes and reduce the barriers that have hindered smaller companies attempting to enter the supply chains of larger companies.	Erbschloe 1999; Korchak & Rodman. 2001

Overall, the range of benefits that can be achieved from participation in electronic marketplaces is extensive, although not all will apply to every company. SMEs can realise benefits but it may take time for them to be recognised within the company. A steep learning curve will precede any benefit gain for many companies and it should not be expected that this can be achieved in the short-term. A longer, slower approach may be a more reliable way to achieve sustainable advantages from e-marketplace participation. Nevertheless, recognition of the advantages to be gained from e-marketplaces is desirable from an early point of developing e-commerce to enable business strategies for selection of suitable electronic marketplaces to be put in place.

4.2 Barriers to E-Marketplace Participation

Many SMEs are not achieving even minimal levels of e-commerce adoption raising concerns as to why adoption programmes, many of them government led, are not more successful (Jutla, Bodorik & Dhaliqal. 2002; Korchak & Rodman. 2001; Van Beveren & Thomson. 2002). Major barriers to increasing adoption remain: lack of resources and knowledge (Cragg & King 1993; Mehrtens et al. 2001), the skill levels of business operators (Darch & Lucas. 2002; Duan, Mullins, Hamblin & Stanek. 2002), lack of trust in the IT industry (Bode & Burn. 2002; van Akkeren & Cavaye. 1999), and the lack of e-commerce readiness in some industry sectors (Lewis & Cockrill. 2002). A further barrier is the lack of recognition of the potential to improve business appropriate to the effort and costs of adoption and lack of understanding of the realisable benefits (Goode 2002; Poon 2000).

Those SMEs that have overcome these barriers and begun along the road to online business often remain reluctant to move into the electronic marketplace environment. The evidence for this is being increasingly reported in the business press (Erbschloe 1999; Howarth 2002), but remains largely anecdotal. However, research into the effects of global markets and supply chains is beginning to examine more aspects of SMEs' involvement in e-marketplaces (Fariselli et al. 1999; Gullledge 2002; Stockdale & Standing 2003a). The barriers to e-marketplace participation sometimes reflect the more generalised barriers of e-commerce adoption, but are discussed here specifically in relation to the marketplace.

4.2.1 Lack of Support from Market Makers

Market makers often aim their marketing at the larger corporations and do not perceive the difficulties of smaller companies and their differing needs (Howarth 2002; Standing & Stockdale 2003b). Although some marketplaces carry statements that they support smaller businesses, they may charge initial fees that are beyond the resources of many or require an

understanding of, and commitment to, specialist software. SMEs are unlikely to commit resources without a recognisable return of benefits for the investment of time and money (Korchak & Rodman. 2001) .

4.2.2 Lack of standards

The lack of a common framework for buyers and sellers hinders the development of many marketplaces. Currently, e-marketplaces often adopt their own platforms without regard to any industry or technological standards. Gullledge (2002) reports that over 120 standards that extend XML have been identified. Such variety can deter participation by large and small firms, unwilling to commit to software and training before they can identify returns on their investment (Howarth 2002; Lucking-Reiley & Spulber. 2001).

4.2.3 Understanding of the Environment

SMEs often do not have an understanding of the nature of the Internet and how it interacts with other methods of trading (Stockdale & Standing 2003b), although this is not confined to smaller businesses (Porter 2001). It is important for SMEs to understand that the Internet is not a substitute for established methods of trading except for companies that are created specifically for the Internet environment such as Amazon. For the majority of business the Internet is a complementary tool that can enhance their current business.

4.2.4 Supply Chain Integration

Smaller companies do not often see themselves as part of a large supply chain. They underestimate how e-commerce can facilitate interaction with larger firms within a supply chain by enabling the sharing of information, electronic ordering (thereby dispensing with a paper system), electronic fulfilment, tracking, and efficiencies in cost and time (Korchak & Rodman. 2001). If SMEs do not understand that e-commerce competencies will support their ability to function within the larger supply chain they will lose out to other firms which can operate in the electronic market.

4.2.5 Industry environment

Many SMEs operate within a relationship environment that does not encourage innovation and there is little incentive to be the first mover in the transition to e-marketplaces. For example, while small companies that supply Ford or Renault must go to the major automobile marketplace, Covisint, to maintain that relationship, there is little incentive for publishers to go online as few of their buyers (bookshops) are using even the first rung of the e-commerce adoption ladder.

4.2.6 Identification of benefits

The perceived instability of the electronic environment hinders the progress of e-marketplace adoption. SMEs rarely benefit from being first movers unless action is in response to innovations in their external networks (North & Smallbone. 2000) and therefore there is no incentive to undertake risk. There has to be some realistic immediate benefits to encourage the first move, before longer-term benefits become an issue (Korchak & Rodman. 2001).

4.2.7 Global trading

The ability to trade globally is often associated with the electronic environment. While e-marketplaces can support many of the processes required to achieve global purchases and sales through offering customs advice, currency exchange and shipping services, many pitfalls remain (Ives & Javenpaa. 1991; Peppard 1999). These can include language

difficulties, cultural differences and import/export legislation. These are not insurmountable obstacles, but require recognition and understanding.

4.2.8 Financial constraints

There may be an adverse effect on credit lines from trading through e-marketplaces for SMEs that do not have the financial backup to appreciate any differences in the trading environment. There is some anecdotal evidence that SME credit lines are not geared to frequently changing buyer/supplier relationships and financial institutions may be wary of extending credit for Internet based trading.

There are a wide variety of potential benefits and barriers to e-marketplace participation for small and medium sized businesses. There is no easy recipe for overcoming the challenges and realising the benefits. Some barriers relate to recognised problems common to SME e-commerce adoption, such as connectivity, while others are more specific to the individual company such as lack of resources. In contrast, the realisation of the benefits of participation generally rest with the ability of individual SMEs to identify opportunities and to plan their online trading effectively within the constraints of their industry environment. Effective planning of a participation strategy therefore is of critical importance if an SME is to realise benefits.

5. Developing Strategies for E-Marketplace Participation

SMEs' participation in e-commerce is not often characterised by formal strategic planning (Hall 1995), although by using a broader definition of strategy, Chau (2003) found wide evidence of some element of strategic planning in SMEs in Australia. His definition included businesses that have made significant alterations to business processes to incorporate e-commerce components. Chau (2003) further found that business planning and strategic goals enable SMEs to establish their businesses at a desired level of participation, thereby bypassing the stages of growth models (McKay, Parananto & Marshall. 2000; Poon & Swatman 1997) familiar to researchers in this area.

There are different motivations for SMEs to move into online trading through e-marketplaces and this may have an influence on the level of strategic planning achieved by a firm. It is only recently that motivations for e-commerce adoption in smaller businesses have been addressed (Levy & Powell. 2003; Mehrtens et al. 2001). Stockdale and Standing (2003b) identified two groups of SMEs that have overcome the barriers to e-marketplace participation. The first group are recognisable in Chau's (2003) description of firms that have made some changes to business practices to benefit from a recognised level of e-commerce participation. These firms identify a need to participate either because their industry sector is active online, or because they recognise an opportunity to grow their business through e-marketplace activity. The second group are those SMEs that follow trading partners online in order to retain a relationship. Where the larger partner has moved to an e-marketplace, smaller trading partners are forced into the electronic environment, often at a sophisticated level. Strategic planning in the latter cases is less evident.

The eight barriers to e-marketplace participation identified in this paper fall into two groups. Three of the barriers are generally specific and not within the capability of individual firms to overcome, although knowledge of them will contribute to a more effective strategy. These are lack of understanding of SMEs' needs, the lack of a common technological standard and the level of e-competencies within industry sectors. Nevertheless, an understanding of these barriers will enable SMEs to more effectively select an e-marketplace in which to participate

by researching the way a prospective marketplace supports individual firms, the technology required to participate and the types of marketplace servicing a particular industry. An SME in an industry sector that is slow in e-commerce uptake may still choose to seek out a marketplace that will enable it to source goods or extend its market. Conversely, a smaller firm in a technologically advanced industry sector will need to research the different types of marketplace available and have an understanding of what each offers. The issues that SMEs need to address in the context of external barriers are given in Table 2.

Table 2: External barriers to participation in e-marketplaces by SMEs

External Barriers	Issues to be addressed
Lack of common technical standard	What are the technical requirements of participation in an e-marketplace? Does participation require specific software? What costs are involved? How commonly used is the platform? Is there a requirement for special training and skills? Are skills and software transferable to other e-marketplaces?
Stakeholder recognition of SME needs	Does the e-marketplace recognise SME needs (fees, software costs, training etc.)? Are there local or regional organisations with specific knowledge of e-marketplaces?
Level of e-commerce adoption in industry sector	If industry sector has high level adoption, are there dedicated marketplaces for the industry? What are the costs of participation? What other firms are participating? Does the e-marketplace offer industry benefits? If industry sector has low adoption levels are there opportunities to find suppliers through an e-marketplace? Are there opportunities to find new trading partners? What level of activity is evident in the industry? Are there niche areas of participation?

The remaining five barriers constitute elements that require a measure of strategic planning if participation is to bring benefits to the firm (Table 3). For example, SMEs require an understanding of the environment in which they intend to operate. This includes consideration of where use of the e-marketplace sits within the business processes of the firm and how use of it can contribute. Use of an e-marketplace in itself will not enable realisation of benefits if there is no understanding of the environment and what benefits are available. This is particularly true of SMEs that have been forced into a marketplace to retain a trading partnership. With an understanding of the environment and the potential benefits to be gained, the e-competencies forced on them can be used to further explore the marketplace and gain the advantages of new partners and markets. In essence, if the SME is proactive rather than reactive in the enforced situation then much can be gained from the skills they have learned. These firms are often within the supply chains of large organisations, but may fail to recognise that, with e-competencies, they are attractive to other organisations seeking to broaden their supplier bases. SMEs moving online to enhance their businesses can also benefit from studying the supply chains of large organisations, many of which are e-enabled. There may be financial constraints on smaller firms extending their business to non-traditional markets and consideration of credit lines, payments and even currencies is a vital part of the planning process. Electronic marketplaces that support financial services can be of great value to smaller firms that have limited resources. However, technology advances in e-money and e-payment systems are predicted to overcome many of the financial constraints facing smaller firms (Fariselli et al. 1999).

Table 3: Internal barriers to participation in e-marketplaces by SMEs

Internal Barriers	Issues to be addressed
Understanding of environment	What are e-marketplaces and what do they offer? How do they work? Why consider using an e-marketplace? What can participation offer to the firm? Where does use fit with the requirements of the firm? What skills and resources are required to enter the environment?
Identification of benefits	What benefits are sought from participation in the e-marketplace? What benefits does the e-marketplace offer or claim to offer? Are they appropriate/realisable? How do benefits compare between e-marketplaces? Are there unidentified benefits from use?
Global trading	If participation in the e-marketplace brings prospective trading partners from overseas, what help is available to take advantage of the opportunities? Does the e-marketplace support financial and logistic services? Are there cultural and language issues? What are the import/export regulations? What extra costs are involved?
Financial constraints	Are credit lines available to extend trading? What are the payments terms of prospective trading partners? What currencies are involved? What methods of payment are available? Are e-payment systems offered by the e-marketplace?
Supply chain integration	Are existing trading partners participating in e-marketplaces? What large organisations participate in an e-marketplace and which have potential as trading partners? What transaction mechanisms do they use? What skills does the firm need to use these transaction mechanisms?

For SMEs seeking to move into global markets, seen as a major benefit of electronic marketplaces, careful selection of an e-marketplace that can facilitate payment, logistics and other such services can be a major advantage. An understanding of the complex social, cultural and economic issues and the advantages to be gained will contribute to the planning process and the realisation of benefits. The perception that operating in a global market is an extension of operating within regional boundaries may hold true in the short term, but sustained benefit realisation requires greater understanding (Peppard 1999). This will be particularly true for SMEs with their limited resources, although the flexibility and innovation that characterises many SMEs (North & Smallbone. 2000) can be of particular advantage in the global market.

6. Conclusions

Although many SMEs are struggling with e-commerce adoption, understanding of the e-marketplace environment is important. The opportunities to extend trading beyond traditional market boundaries makes all firms vulnerable to new sources of competition. Many smaller firms that supply large organisations are being forced into the environment to retain their trading partners, while other firms seek to extend their markets or to enhance their businesses by trading beyond their traditional customer bases. A recognition of both the benefits and the barriers that face firms entering the e-marketplace environment will enable SMEs to more effectively plan their participation and realise the benefits of e-marketplace trading. Where firms follow an established partner online, they can gain further benefits and seek new relationships if they understand the environment in which they find themselves and use their e-competencies to actively participate in what the e-marketplace has to offer.

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