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KNOWLEDGE ACCUMULATION IN FAMILY FIRMS.
EVIDENCE FROM FOUR CASE STUDIES*

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ABSTRACT

The aim of the present study is to make a contribution to the understanding of how knowledge can be accumulated in family business. Four family firms from Switzerland and Italy are part of this research. Existing literature combined with the case studies analysed lead to the development of a knowledge model which outlines factors responsible for knowledge accumulation viewed as an ‘enabler of longevity’ in family business. The relationships depicted in the model can be read by researchers as hypotheses and suggestions for further research, and by managers as possible factors needed to accumulate knowledge in order to be successful across generations.

Keywords: knowledge Accumulation, Education, Experience

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INTRODUCTION

Knowledge which is viewed as relevant and actionable information based on experience and education (Nonaka and Takeuchi, 1995; Cabrera-Suarez et al., 2001), is a significant source of competitive advantage, which enables an organisation to be innovative and remain competitive in the market. It originates in the heads of individuals and builds on information that is transformed and developed through personal beliefs, values, education and experience (Polany, 1958, 1967; Nonaka, 1991; Nonaka, 1994; Nonaka and Takeuchi, 1995; Grant, 1996a).

The literature clearly distinguishes between pure knowledge (i.e. explicit knowledge) regarding the information and understanding of fundamental principles acquired through education; and skills (i.e. tacit knowledge) which is, instead, the ability to apply the accumulated pure knowledge through the experience gained. Hence, skill is the ability to carry out a particular task or activity, especially because it has been practiced, whereas pure knowledge is the information behind that skill (Nonaka and Takeuchi, 1995; Berman et al., 2002). In this respect, Krogh et al. (1995, p. 63) underline that “a person may have acquired a good theoretical understanding of carpentry, but the building of a house requires yet another knowledge, namely the skill of moving a hammer”. Our research mostly emphasises tacit knowledge because of its centrality within an organization (see Grant, 1996a; Cabrera-Suarez et al., 2001).

In contrast to the strategic management literature, there is a lack of systematic research on the construct of knowledge in family business\(^1\). We focus our attention on this particular form of business organization characterised by multiple family members who participate at the same time to the family and business life, hence influencing in both positive and negative ways knowledge accumulation (KA) (see Cabrera-Suarez et

\(^1\) A family business is here defined as a company in which a family controls the largest block of shares, has one or more of its members in key management positions, and members of more than one generation actively involved within the business (see Westhead and Cowling, 1998; Miller and Le Breton-Miller, 2005; Zahra et al 2007).
al., 2001; Zahra et al., 2007; Chirico and Salvato, forthcoming). For the purpose of our research, knowledge is defined here as pure knowledge and skill which family members have gained and developed through education and experience within and outside the organization. Specifically, our study is aimed at investigating how knowledge can be accumulated, i.e. created, shared and transferred so as to enable a family organization to survive across generations. Towards this end, we analyse four family firms from Italy (Alfa and Beta) and Switzerland (Gamma and Delta).

The paper is organized as follows. After introducing knowledge as an enabler of longevity in family business, the methodology of the qualitative research conducted is presented. This is followed by a section which reports factors influencing KA. In this section we also transcribe the most significant quotations from the family-business members interviewed. The paper concludes with the main findings and contributions of the study. Implications for research and practice are shared in the concluding section.

KNOWLEDGE AS AN ENABLER OF LONGEVITY IN FAMILY BUSINESS

The knowledge-based theory identifies knowledge as the most fundamental asset of the firm which all other resources depend on (Grant, 1996a; Spender, 1996). Consequently, knowledge needs to be accumulated to generate value over time. This is a major challenge faced by any firm in everyday business life —especially by family firms when the new generation has to take over the business from a previous one (Cabrera-Suarez et al., 2001; Kellermanns et al., 2004). Succession is described as “the lengthiest strategic process for family firms” (Barach and Ganitsky, 1995, p. 131). It is considered to be a slow multistage process that involves an increasing participation of the successor and a decreasing involvement of the predecessor until the real transfer takes place (Churchill and Hatten, 1987; Cabrera-Suarez et al., 2001; Motwani et al., 2006). Succession is so central and crucial to the existence of the family firm that Ward
(1987) defines a family business as a business that will be passed on from generation to generation. We argue that family firms can perform well over time when the new generation is integrated into the family business and the transfer of knowledge from the previous generation to the next takes place. At the same time the new generation has to add new knowledge and offer new perspectives for the sustainability of the family firm across generations. Certainly, knowledge also needs to be shared between family members belonging to the same generation (Handler, 1992; Cabrera-Suarez, et al., 2001; Kellermanns et al., 2004; Zahra et al., 2007).

However, while succession has attracted considerable attention in the family-business literature (e.g. Barach and Ganitsky, 1995), the process through which knowledge is created, shared and transferred across generations has not been extensively studied. Understanding how knowledge is accumulated is important given that some studies indicate that only a third of family businesses successfully make the transition from each generation to the next, while only 5% of family firms are still creating value beyond the third generation (The Economist, 2004; Miller and Le Breton-Miller, 2005). A survey in the UK shows that only 30 per cent of family businesses reach the second generation; less than two-thirds of those survive through the second generation; and only 13 per cent of family businesses survive through the third generation (Bridge et al., 2003).

Researchers argue that recurring causes of small business failure fall under the general category of ‘business incompetence’ caused by lack of knowledge (see e.g. Gibb and Webb, 1980; Carter and Van Auken, 2006). Dun and Bradstreet (1991) reported that the main cause of business failure in the US is ‘management incompetence of the business owner’. Likewise, Gibb and Webb (1980) concluded that the primary failure determinants of over 200 bankrupt firms were lack of knowledge and ‘inattention’ by the management. Caroll (1983) also confirmed in a ‘summary of
empirical research on organization mortality’ that the main cause of failure falls under the general categories of managerial incompetence and lack of experience.

Therefore, the statistics showing the failure of family firms after the second generation may be partially explained by the lack of capacity or willingness of family members involved in the succession to create, share and transfer knowledge from generation to generation (Cabrera-Suarez, et al., 2001; Le Breton-Miller et al., 2004; Koiranen and Chirico, 2006; Zahra et al., 2007). Cabrera-Suarez et al. (2001, p. 39) remark that “family firm’s specific knowledge, as well as the ability to create and transfer it, are considered a key strategic asset that may be positively associated with higher level of performance”.

Hence, knowledge can be seen as an ‘enabler of longevity’, i.e., as contributing to the survival of the family organization. Given its recognised importance, this paper seeks to fill the existing gap in the family-business literature —related to the study of KA (see Cabrera-Suarez, et al., 2001; Chirico and Salvato, forthcoming)— through the development of a family-business knowledge model based on existing literature and four family-business case studies.

METHODS

Research design

McCollom (1990) posits that qualitative research is particularly appropriate to the study of family business. The research design of our qualitative research is multiple-case, embedded study. Multiple cases permit a replication logic where each case is viewed as an independent experiment which either confirms or does not the theoretical background and the new emerging insights. A replication logic yields more precise and generalisable results compared to single case studies (Eisenhardt, 1989; Brown et al., 1997; Yin, 2003). We relied on informants at two levels of the generational hierarchy to
yield a more accurate analysis. Moreover, the study conducted was improved by using several levels of analysis, i.e. an embedded design, including family, business and industry (Yin, 2003).

For the reasons explained below, we analysed two small private Italian family firms from Apulia (Alfa SPA) and Tuscany (Beta SA) respectively, and two small private Swiss family firms from canton ‘A’² (Gamma SA and Delta SA). Firstly, the four companies had the potential of yielding interesting insights based on commonalities and differences emerging from comparison amongst them (see Table 1). Secondly, they all belong to the beverage industry; in particular, the Alfa family firm belongs to the spirits industry, and the Beta, Gamma and Delta family firms belong to the wine industry. In those manufacturing sectors, which are dominant businesses both in Italy and Switzerland, the family-business knowledge and traditions have been especially important through generations. Finally, in each generation, family members of at least two generations have been always involved. Hence, this dataset is ideal for our study. Names given to firms and some other information have been disguised for confidentiality reasons. Table 1 reports the case studies used in this paper and Appendix 1 the family-business trees.

Data collection

Data were collected through personal interviews, questionnaires, secondary sources (newspapers, articles from magazines, company’s internal documents, company’s slide presentations, company’s press releases, company’s web sites and company’s balance sheets), conversations and observations in 2005 and 2006. Semi-structured interviews were conducted separately with two respondents from each firm,

² Some information is not available for confidentiality reasons.
an active family member of the latest generation —Generation 3 (G3)— and another one of the previous generation —Generation 2 (G2)— chosen on the basis of their central role within the organization. Interviews were conducted during several formal and informal meetings with an average length of three hours. During informal meetings, we also had the opportunity to talk extensively with other several family and non-family members. After each interview the research team discussed its impressions and observations taking notes to crystallise ideas (see Bryman and Bell, 2007). The interviews were always taped and transcribed word for word within six hours after the interviews. Following Bryman and Bell, (2007)’s suggestions for the internal reliability of a study —i.e. whether or not, when there is more than one observer, members of the research team agree about what they see and hear— interviews were listened to by two or three members of the research team in order to check for consistency of interpretation.

The interviews were conducted in two parts. In the first part, open-ended questions were asked without telling respondents about the constructs of interest in the study in order not to influence them (e.g. family firm’s history, crucial and critical events). They had the opportunity to relate their stories of how knowledge has been accumulated over time. During this phase, probing questions were asked to obtain more details related to the stories discussed by respondents. In the second part, closed-ended questions were asked about the accumulation process of knowledge across generations and the role played by specific factors (e.g. family relationships, working outside the family business, academic and practical training courses and so forth) on the process as a whole (Bryman and Bell, 2007). After interviews, telephone calls were made to confirm our understanding of the answers given by the respondents. We recognise that the anonymity for companies and respondents encouraged sincerity and openness.
**Data analysis**

Four separate extensive case studies were built from data gathered from primary and secondary sources. First of all, we created an electronic database where we entered all transcribed responses given by informants. Following this, interview data were integrated with information from secondary sources to provide further background and help triangulate the data. Using two respondents from each firm and secondary sources, we built a case study for each site. According to Bryman and Bell (2007, p. 413)’s recommendations, we “used each source of data, and each informant, as a check against the others”. Specifically, the use of two respondents from each firm allowed us to compare the answers given by them; and the use of secondary sources enabled us to confirm the information obtained by respondents. For instance, existing literature positively relates KA to product development and value creation (see e.g. Tsai, 2001). Thus, having access to companies’ internal documents and companies’ balance sheets helped us to assess KA also through the firms’ product development and value creation (see Table 1).

Case descriptions were written independently of each other, to maintain the independence of the replication logic. Guided by a theoretical framework based on existing literature (see e.g. Nonaka and Takeuchi, 1995), we built the conceptual insights emerging from the case studies. Whenever an insight emerged, we went back to the theoretical framework —thereby reading more relevant related literature— and back to the new insights. Results were consistent with the initial theoretical framework and they also helped us to integrate it. Hence, data analysis was undertaken using a combination of deductive and inductive methods. The whole process took about six months to complete. The approach was integrated with a growing body of methodological literature on case study research and cross-case analysis in order to
perform cross-case comparisons looking for similarities and differences (see e.g. Eisenhardt, 1989; Miles and Huberman, 1994).

Finally, to ensure that there was a good match between our observations and the theoretical ideas developed (i.e. internal validity), we relied on two techniques: respondent validation and triangulation (credibility, see Bryman and Bell, 2007, p. 411). Accordingly, we submitted research findings to the respondents to ensure that there was a good correspondence between findings and the perspectives and experiences of the research participants (i.e. respondent validation). Moreover, as mentioned before, we triangulated multiple sources of evidence (primary and secondary sources) so as to improve the quality of the study conducted (see Eisenhardt, 1989; Stake, 1995; Miles and Huberman, 1994, Yin, 2003).

----- Insert Table 1 About Here -----
In a family business context, successors need to acquire knowledge from the previous generation but also add new knowledge gained through education and personal experience within and outside the family firm (Cabrera-Suarez et al., 2001; Kellermanns et al., 2004). An interesting comment has been made by Valeria Alfa from the Alfa family firm: “our success depends on the ‘knowledge’ gathered and handed down through the generations and acquired from outside”.

As explained in the data analysis section, the iterative process—which is, one in which there is a movement backwards and forwards between theory and case studies—allowed us to infer that knowledge is best created, shared and transferred when family members involved in the succession strongly value the following factors: - family relationships working within the family business; - commitment and psychological ownership to the family business; - academic courses and practical training courses outside the family business; - working outside the family business; - employing/using non-family members.

The text that follows can be read by researchers as hypotheses and suggestions for further research, and by managers as possible factors needed to accumulate knowledge across generations. We will quote the most significant answers given by the interviewees in order to enable the reader to gain a clear understanding of the issues discussed.

**Family relationships working within the family business**

Working within the family business is important in order to acquire experience and develop skills day by day. People make mistakes and learn how to solve problems. Intense kinship ties facilitate face-to-face interactions—within the family and the business—and help generations to work together before and during the transition
process. Hence, KA may start at home within the family and continue through a career within the business (see Gersick et al., 1997; Zahra et al., 2007; Chirico and Salvato, forthcoming). Coleman (1988) analyses social capital as creator of human capital and Kusunoki et al. (1998) posit that the dynamic interaction of knowledge, as processes of KA, depends largely on the social context within the organisation.

Tagiuri and Davis (1996) argue that the emotional involvement, the lifelong common history and the use of a private language in family businesses enhance communication between family members. First, this allows them to exchange knowledge —especially tacit knowledge— more efficiently and with greater privacy compared to non-family businesses (Tagiuri and Davis, 1996; Cabrera-Suarez et al., 2001). Indeed, shared understanding between actors facilitate the sharing and transfer of knowledge tacitly held in their minds which is usually hard to exchange since it can “only be observed through its application and acquired through practice” (Grant 1996b, p. 111). In particular, strong relationships between two generations positively contribute to the stage ‘training and development of the successors’ described by Churchill and Hatten (1987) in their four-stage model of succession (Chrisman et al., 1998). Second, family social relations allow family members to develop idiosyncratic knowledge which remains within the family and the business across generations (Bjuggren et al., 2001; Kellermanns et al., 2004).

In successful multigenerational family firms, hence, the previous and following generation exchange ideas and encourage mutual learning. Goldberg (1996) demonstrated the importance of ‘appropriate experience working together’ in his study of 63 family business CEOs. Effective successors had many more years of experience working in the family business than did the less effective group of his study.

This view is consistent with the comments from interviewees reported in Table 2.

----- Insert Table 2 About Here -----
Hence, having face-to-face family interactions and more generations which work well together help family members to create, share and transfer their knowledge. Offspring have the opportunity to learn directly from the old generation in a ‘learning-by-doing process’ how to run the family firm, and, specifically, all the tricks of the trade related to the business. Hence, such interaction between generations should begin when offspring are growing up in order to ensure sufficient training and not when they are about to take over the firm (Chrisman et al., 1998; Motwani et al., 2006). In doing so, each succession adds considerable new experience to the family firm.

Furthermore, family firms are often depicted as being high in trust which is an important issue for social interactions. The greater the level of trust, the greater the level of openness (i.e. free flow of truthful information between family-business members) and the better the opportunities especially for tacit knowledge to be created, shared and transferred over time (Dyer, 1986; Lehman, 1992; Mayer et al., 1995; Tagiuri and Davis, 1996; LaChapelle and Barnes, 1998; Steier, 2001).

Quotations from interviewees provide insights as indicated in Table 3.

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**Commitment to the family business**

A recipient or a source’s lack of commitment to the family business may negatively affect the accumulation process of knowledge within the organization (see e.g. Nonaka and Takeuchi, 1995; Barach and Gantisky, 1995; Sharma et al., 2001, 2003; Le Breton-Miller et al., 2004). Commitment is “a frame of mind…that compels an individual towards a course of action of relevance to one or more targets” (Sharma and Irving, 2005, p. 14). In organizational terms, it encompasses personal belief and support of organisational goals and visions; willingness to contribute to the
organisation; and desire for good relations with the organisation (Carlock and Ward, 2001).

Particularly, a family’s affective commitment to the business concern refers to the extent to which family members desire the prosperity of the business and its perpetuation within the family (Sharma et al., 2001; Sharma and Irving, 2005). This may strongly have an impact on their behaviour so as to be willing to go above and beyond the call of responsibility and exert extra efforts on behalf of the family and the business to find a way to make KA possible. Thomas (2001) argues that not every family member can have the same degree of commitment and interest in the family business over time. Hence, although family members are depicted as being very emotionally committed to the family business, family’s commitment tends to decrease after the second or third generation when business problems usually arise (Tagiuri and Davis, 1996; Astrachan et al., 2002;).

Excerpts from interviews are given in Table 4 (see in particular Carlo and Stefano Delta’s speech).

----- Insert Table 4 About Here ----- 

**Psychological ownership to the family business**

Pierce et al. (2001, 2003) refer to psychological ownership as a cognitive-affective condition which generates a psychological state of possessive feelings for an object which may also exist without legal ownership (Furby, 1980; Dittmar, 1992). The above-concept has been applied in a family business context as the family members’ possessive emotional feelings and attachment over the family organization with a strong sense of identity, belonging, responsibility and control over it (see Koiranen, 2006, 2007). Examples of psychological ownership are family members’ strength of identifying themselves with the family business, a sense of belonging to the family business and a strong feeling of responsibility and control over the family business. In
particular, investing a lot of energy, time, money, and emotions to the family business is part of family members’ identity and culture which increase their feeling of possession over the organization. The business becomes an extension of themselves with all family members acting in concert to sustain the continuity of the organization through the accumulation of knowledge across generations. The hope is that future generations will feel the same strong emotional attachment to the family business, which will make the creation, sharing and transfer process of knowledge easier (Reagans et al. 2003).

Comments from interviewees offer insights as shown in Table 5.

----- Insert Table 5 About Here -----

**Academic courses and practical training courses outside the family business**

Academic courses and practical training courses are a form of learning activity by which people, in this case the members of the family firm, can re-experience what others previously learned and have the opportunity to create new knowledge by combining their existing tacit knowledge with the knowledge of others (Nonaka and Takeuchi, 1995).

Particularly, academic courses and practical training courses outside the family business in schools, universities, firms, institutions, and so on, allow people to acquire ‘pure knowledge’ and develop ‘skills’ respectively which, once brought into the family firm, must be shared with and transferred to the other members of the firm. Conversely, practical training courses within the family business allow people to acquire, share and transfer knowledge across generations (Dyer, 1986; Ward, 1987; Barach and Gantisky, 1995; Goldberg, 1996; Le Breton-Miller et al., 2004). In small-to-medium family businesses, practical training courses within a family firm can be simply translated into ‘activities of working together’ (Le Breton-Miller et al., 2004) by which members of the firm create, share and transfer knowledge —especially tacit knowledge— day by day.
often unconsciously (e.g. apprenticeship). For this reason, practical training courses within the family firm will be included in the box ‘family relationships working within the family business’ in figure 1. Internal apprenticeship can be viewed as an excellent training in traditional industries which do not operate in environments of rapid change. Outside training is, instead, essential when the market changes very quickly.

Quotations from interviewees reflecting the importance of academic and practical training courses for KA in family business are reported in Table 6.

--- Insert Table 6 About Here ---

**Working outside the family business**

Working outside the family firm gives a more detached perspective over how to run and how to introduce changes and innovation in the business. Once it is acquired, knowledge needs to be shared and transferred over time. As reported by Brockhaus (2004), many consultants recommend spending at least three to five years in another business. Experience outside the family firm helps the successor to develop a knowledge-base and a sense of identity. It prepares him/her for a wider range of problems that can occur later in the family business (Barach et al., 1988; Correll, 1989; Barach and Gantisky, 1995; Le Breton-Miller et al., 2004). Ward (1987) adds that working outside the family firm is crucial because it gives offspring experience in developing new strategies, adding formal management systems and building new management teams in the business. He concludes that “gaining experience outside the business is one of the strongest recommendations that can be made for successors. In all our interviews, no one who worked outside the family business regretted doing so” (Ward, 1987, p. 60).

This view is consistent with the comments indicated in Table 7.

--- Insert Table 7 About Here ---
Employing/using non-family members

Knowledge can be also acquired by employing/using non-family members who work for or have relations with the family firm. Hence, a family organization has to behave as an ‘open system’ which finds, exploits and organises external resources not available within the family business in order to increase its opportunity advantages (Lansberg, 1988; Kaye, 1999; Westhead, 2003; Le Breton-Miller et al., 2004). Employing/using external members is an indication of the flexibility of the family firm (Ward, 1987; Malone, 1989).

This view is also suggested by the comments reported in Table 8.

----- Insert Table 8 About Here -----  

DISCUSSION

From a practical point of view, our study — through the review of the literature and the case studies analysed— highlights the importance of some factors whose combination enables a family organization to accumulate knowledge across generations.

Some excerpts from interviews which highlight the role played by specific factors on KA are here indicated: - “Intense family relationships are essential to build, share and transfer knowledge in the long run” (Claudio Gamma, G2; Table 2: family relationships working within the family business); - “There is an easy flow of knowledge within and between generations as it was in the past. The reason is that our family was and still is very committed to the business…and it is happy within it” (Valeria Alfa, G2; Table 4: commitment to the family business); - The business is an extension of ourselves. We are the business and the business is part of us. For this reason, we put all our efforts into transferring all our knowledge to the third generation” (Valeria Alfa, G2; Table 5: psychological ownership to the family business); - “We have acquired our basic knowledge at school but training courses
have been crucial to develop specific abilities, for instance in management and product-making” (Filippo Beta, G2; Table 6: academic courses and practical training courses outside the family business); - “If you want to learn something more, you have to leave home for a while. You need to go outside, have a different view of your business and of how to do business” (Carlo Delta, G3; Table 7: working outside the family business); - “I have personally learned a lot from external experts hired within our organization. They are a valuable contribution to our success” (Daniela Beta, G3; Table 8: employing/using non-family members).

In particular, the Alfa and Beta family firms are in the third generation and they are both growing well (see Table 1). Family relationships and trust are still very high as well as commitment and psychological ownership to the family business (see Table 2-5). As noted by Giuseppina Alfa, “the second generation did a great job of building and maintaining a positive and friendly environment within the family and the business. There is (and was) an easy flow of information within and between generations”. Daniela Beta also recalls the suggestions given by the previous generation about how to interact to each other to guarantee the family business’ success. In addition, both the Alfa and Beta family firms also pay great attention to training courses, working outside the family firm and employing/using external family members (see Table 6-8). Indeed, respondents highlight the increase of knowledge across generations.

The Gamma family firm is in the third generation and it, too, is growing well (see Table 1). All factors influencing the creation, sharing and transfer process of knowledge are very high, as can be interpreted through the comments recorded in this paper (see Table 2-8). Power is centralised under Claudio Gamma who appears to be good at directing and controlling the family firm and at distributing rights and responsibilities to family members. According to Claudio Gamma’s comments, knowledge has been increasing in the third generation. For instance, Claudio Gamma recognises that his
nephew, Mattia, is acquiring and adding new knowledge by working in the family firm day by day, in a learning-by-doing process. Mattia seems to be very committed to the family firm and works hard for it. He did several internships in wine firms and will attend a School of Oenology for two years in order to improve his competencies and add new value to the family firm.

In contrast with Astrachan et al. (2002), the Alfa, Beta and Gamma family firms are still very committed and proactive for the wealth of the family business although they passed the second generation. For instance, Giuseppina Alfa underlines that “the history of Alfa entrepreneurs is continuing. After the second generation family businesses usually start to maintain what they already have. We did the opposite by starting the product line-extension and the diversification of our products (which are both knowledge-based), and by acquiring a new company, the Astrelio Maestri di Cioccolato, S.p.A.”.

Finally, the Delta family firm is in the third generation and problems are growing mainly because of - the low degree of commitment and psychological ownership of third generation family members, and - the weak relationships between them (in particular, between Carlo Delta and his cousins, G3; see Table 2-5). In addition, although the Delta family firm is aware of the importance of training courses, working outside the family business and employing/using non-family members for KA, these factors are not taken into great consideration (see Table 6-8).

Carlo Delta, who considers himself part of the second rather than the third generation, remarks that “most of the knowledge is in the hands of the second generation”. He also adds that “I am committed to the wine business; I have acquired new knowledge in business and wine making... I have participated in different conferences related to the wine market in the last twenty years... It is important to know how the grapes grow and how to take the best from them in wine making”. However,
Carlo, as well as Stefano Delta, does not believe that his cousins (G3) are emotionally attached to the family business (see Table 4 and 5). He underlines: “My cousins do not own the business but simply work for it”. The ownership of the family firm is, indeed, in the hands of the second generation including Carlo Delta.

Further, each member of the third generation works with his father in a specific area of the business. It appears that trust and relations between Carlo and his cousins are not strong (see Table 2 and 3) and, as a result, the sharing and transfer process of knowledge is not easy to realize.

The future appears to be very uncertain and knowledge is likely to be lost with Carlo Delta’s retirement. Indeed, Carlo Delta seems to be quite sceptical about the continuity of the family firm after his retirement. He underlines that he usually does his best to share and transfer his know-how to his cousins (G3). But he also admits that this is not an easy task to accomplish because his cousins are not committed enough to the family business. He concludes that: “I am not married, I do not have children, and my cousins and their sons are not interested in the firm...maybe the business will shut down after this generation”. Stefano Delta seems to have the same preoccupations about the future of the company.

Additionally, we noted that while few family members belong to G3 in the Alfa, Beta and Gamma family firms, seven family members belong to G3 in the Delta family firm (see Appendix 1). Consistent with existing literature, potential relationship conflicts (Kellermanns et al., 2004) between family members may easily arise especially when a lot of family members work in the business (see Motwani et al., 2006). In other words, relationships between individuals are difficult and may become even more complicated when a lot of members are involved. Hence, the high number of family members belonging to G3 in the Delta family firm may have facilitated the
emergence of relationship conflicts between them, thereby weakening their family relationships and their emotional attachment to the business.

Conflicts make family members unhappy with the family group in which they work, thereby tending not to take advantages from the joint utilization of their knowledge (see Kellermanns et al., 2004). In this respect, Eisenhardt and Zbaracki (1992) note that emotional disagreements between organizational members prevent KA over time. The comments reported on this paper (e.g. Stefano Delta remarks that in G3 “conflicts arise too often”. See Table 2) show that conflicts between Carlo Delta and his cousins (G3) —most likely driven by Carlo’s power and his long presence within the firm compared to his cousins— have generated tension, irritation and resentment between them, thereby negatively affecting KA. Additionally, contrary to the Alfa, Beta and Gamma family firms, the second generation of the Delta family firm has not been able to soothe disagreements and teach the third generations how to cooperate with each other to solve problems.

CONCLUSIONS

The purpose of the present research was to make a contribution to the understanding of how knowledge can be accumulated in family business. Towards this end, we relied on a case study approach which “has been shown to be a worthwhile method that is gaining increasing acceptance” (Perren and Ram, 2004, p. 94).

Existing literature combined with the words of the respondents reported in this paper and the secondary sources on which we relied, lead to the development of the family-business knowledge model as depicted in Figure 1. It summarises concepts and relationships presented in this research. KA is viewed as an ‘enabler of longevity’ in family business in which learning emerges through an evolutionary process that begins in the family and continues within and outside the business. Accordingly, the family
involvement makes KA distinctive in this type of organization. At the bottom of the model are the *emotional factors* which positively influence the accumulation process of knowledge within the organisation: family relationships working within the family business —fuelled by trust between family members—and commitment and psychological ownership to the family business. At the top of the model lie the *openness factors* which positively influence the acquisition of knowledge from outside the organisation: academic courses and practical training courses outside the family business; working outside the family business; and employing/using non-family members.

To sum up, the four case studies highlight the importance of specific factors whose combination enhances knowledge across generations even though it does not imply that all of them are essential or have the same amount of importance. For instance, Valeria Alfa says: “Learning-by-doing is (and was) more important than academic courses in our company”. In particular, our sample shows that those family firms open to the external environment and, most importantly, characterized by intense family relationships and high levels of family members’ emotional attachment to the business, are more likely to accumulate knowledge and survive across generations.

----- Insert Figure 1 About Here -----  

**Limitations**

Although an important first step in relating KA to a family-business context, we recognise that our study inevitably has some limitations. First of all, although we have chosen our respondents on the basis of their central role within the organization and we did our best to triangulate interview data with secondary sources, part of our results may be biased by respondents’ subjective perception and retrospective rationalisation.
Second, the study did not take into consideration the possible reluctance of the previous generation to accept new knowledge and management approaches (Lansberg, 1988) and the possible reluctance of the new generation to recognise the previous work and knowledge brought by the previous generation (Westhead, 2003; Kellermanns et al., 2004). Successful multigenerational family firms are those in which the previous and following generation communicate to each other, exchange ideas, offer feedback and support mutual learning.

Finally, because of the small size of our sample, the model represented in figure 1 cannot be generalised to all family businesses, although its external validity can be improved by introducing other case studies to the research. Through our convenience sample (see Bryman and Bell, 2007), the intent was to focus the attention of family-business researchers and practitioners on the knowledge issue, which appears to be of great importance to family firms.

Contributions

Despite these limitations, some preliminary contributions clearly emerge. First of all, our research is an endeavour directed to studying how knowledge can be accumulated in family business over time. While the construct of knowledge has received considerable research attention in the strategic management literature (e.g. Nonaka, 1994; Berman et al., 2002), surprisingly only a few works have been devoted to the study of knowledge in family firms (e.g. Cabrera-Suarez et al., 2001; Chirico and Salvato, forthcoming). Consequently, specifying factors which affect KA allowed us to expand existing research on family business and offer some new insights for future research. In particular, our study underlines the importance of intense family relationships for KA. In this respect, Sharma (2004, p. 13) remarks that “a supportive relationship characterised by mutual respect enables the smooth transition of
knowledge” across generations.

However, the literature on the topic is fragmented —both in the strategic management and family-business literature— as it deals with different components of KA. Our efforts tried to put together all the pieces derived from existing literature and interviews made.

**Research implications**

We see our research efforts as a point of departure for guiding and pushing forward further theoretical and empirical research. Empirical studies are clearly needed to test, on a large representative sample, the model in figure 1 so as to measure the effect and weight of each factor on the accumulation process of knowledge as well as their effect on trans-generational value creation. Non-family firms might be also analysed so as to compare if, definitively, the model presented is exclusive to family firms or not.

We strongly invite others to propose ways in which our model may be advanced to better account for research findings. For instance, future studies could focus on the importance of different forms of knowledge —e.g. knowledge in product-making, management, governance— and how KA changes on the basis of the market in which a firm operates (Westhead, 2003). Inter-relationships among the six factors influencing KA in figure 1 may be also worth being explored.

Additionally, KA is likely to be influenced by more than the six factors researched in this study. Accordingly, other relevant dimensions —such as relationship conflicts or entrepreneurial orientation— could be also included in the study. In particular, the phenomenon of nepotism hampering a family firm’s opportunity to employ outsiders’ knowledge may be also taken into account.

Additional studies may be also directed at investigating the role of the family-
business culture on KA (Dyer, 1986). This can confirm or not the general assumption that an organization’s ability to implement and achieve the best benefits from KA depends in part on how well it creates and maintains a culture that minimizes resistance behaviour and encourages acceptance and support during the accumulation process of knowledge. In particular, future research could investigate the impact of different national cultures on the mechanisms illustrated in our model (see O'Regan, and Ghobadian, 2006).

Finally, further research can also focus on the specific aspect of knowledge creation or sharing or transfer and build a more detailed model accordingly.

Implications for practice

Our results may have practical implications for family business management. First, it is essential to understand that effective KA is important for the family business’ survival across generations. To achieve this goal, family members have to support open and collaborative exchanges of information, free from bureaucratic constrains. Accordingly, social relations which are essential for KA need to be “multifaceted so that there is always room for revision or negation” and “participants in the dialogue should be able to express their own ideas freely and candidly” (Nonaka, 1994, p. 25). Genuine family relations create a sense of belonging to the business in which the business is a part of the individual and the individual is a part of the business. Thus, all members act in concert to sustain the continuity of the family organization through KA.
<table>
<thead>
<tr>
<th>FAMILY BUSINESS</th>
<th>HISTORY</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ALFA SPA</strong></td>
<td>Founded: 1840&lt;br&gt;Latest active generation: 3rd&lt;br&gt;Industry: Beverage-Spirits&lt;br&gt;Country: Italy</td>
</tr>
<tr>
<td><strong>BETA SA</strong></td>
<td>Founded: 19xx&lt;br&gt;Latest active generation: 3rd&lt;br&gt;Industry: Beverage-Wine&lt;br&gt;Country: Italy</td>
</tr>
<tr>
<td><strong>GAMMA SA</strong></td>
<td>Founded: 1944&lt;br&gt;Latest active generation: 3rd&lt;br&gt;Industry: Beverage-Wine&lt;br&gt;Country: Switzerland</td>
</tr>
</tbody>
</table>
Gamma products are also exported to Germany, the United Kingdom, Sweden, Russia, and the US.

DELTA SA

Mario Delta and Antonio Y founded the wine firm Delta& Y in 19xx in Switzerland. Their activity was initially limited to purchasing wine from local producers, blending and re-selling it to restaurants and tourists. Mario died in 19xx and Antonio retired a year later. Mario’s sons, Fabio, Luigi and Stefano Delta took over the business. The company is currently owned by the three brothers and by Fabio’s son, Carlo. The third generation is represented by Fabio, Luigi and Stefano Delta’s sons. New product are rarely developed. An in-depth analysis of the firm’s balance sheet shows that the net income has decreased in the last years. The commercial distribution of products is carried out through a wine shop and a commercial network in Switzerland. Delta products are not exported.

(*) We consider only the last three generations of the Alfa family firm starting from the point when the artisan activity turned into an industrial business.

(**) Some information is not available for confidentiality reasons.

Table 2: Family relationships working within the family business

<table>
<thead>
<tr>
<th>Family business</th>
<th>Quotations from interviewees</th>
</tr>
</thead>
</table>
| **Alfa SPA**    | Giuseppina Alfa (G3; Alfa S.p.A., Apulia, Italy): “I have learned almost everything working within our family business, acquiring knowledge from the previous generation and developing and sharing it with the present generation. ‘Overall Knowledge’ has been acquired through experience working together across generations and within the same generation. My cousins and I worked for about 25-30 years in the family firm with the previous generation until 1997. We started with simple tasks, very boring sometimes but important in enabling us to understand better from the bottom-up how to run the business and how to make it work. Every generation brings something more which creates value in the business. Our overall level of knowledge has increased through generations. We have grown up in the family firm as persons, managers and now owners. The second generation was able to teach us directly and indirectly all the tricks of the trade in production, administration and distribution. Our parents also taught us how to communicate and cooperate with each other and solve problems”.

Valeria Alfa (G2; Alfa S.p.A., Apulia, Italy): “The previous generation used to invite us to the meetings of the Board of Directors to teach us how to run the business. We govern our business with the same behavioural ethics of honesty and respect learned from the previous generation”. |

| **Beta SA**     | Daniela Beta (G3; Beta SA, Tuscany, Italy): “I have developed and acquired knowledge since I entered in 19xx. I have learnt a lot from the previous generation (including how to keep good family relationships within and outside the business) working close to them. I am also giving them back new knowledge and new approaches of how to do business in a market which changes quickly”.

Filippo Beta (G2; Beta SA, Tuscany, Italy): “Working closely within the organization and living within the family allowed us to develop strong relations between us. I personally view social interactions as enablers of knowledge accumulation which has increased across generations. We often talk about the importance of social capital and we built up our company with this sentence in mind: the more we talk, the more we know...forever”. |

| **Gamma SA**    | Mattia Gamma (G3; Gamma SA, Switzerland): “I am acquiring and adding new knowledge working in the family firm day by day, in a learning-by-doing process. My uncle, Claudio is helping me a lot to achieve this goal and I know I am also giving him back my knowledge in business administration”.

Claudio Gamma (G2; Gamma SA, Switzerland): “The firm was small and not well...” |
developed in G1. I remember how I started working and now I know where I am. A lot of work has been done to achieve such results. I learned from my mistakes how to produce wine of high quality...My nephew, Mattia is giving me great help. He is a very knowledgeable person who works hard for the business. We are learning a lot from each other and increasing the value of our company. Intense family relationships are essential to build, share and transfer knowledge in the long run”.

Delta SA
Carlo Delta (G3; Delta SA, Switzerland): “My father had been working with my grandfather for 15 years learning all the ‘tricks of the trade’ from him... I joined the business when I was 22 years old... I have learned and I am still learning a lot from my father. The basis of my knowledge was learned at school but, of course working in the family firm allowed me to learn day by day how the business works and how to make it work better”.
Stefano Delta (G2; Delta SA, Switzerland): “Working efficiently together within the organization has always been our great power through knowledge sharing across generations. I am afraid that today the third generation is not well-organized anymore. Conflicts arise too often”.

Table 3: Trust between family members

<table>
<thead>
<tr>
<th>Family business</th>
<th>Quotations from interviewees</th>
</tr>
</thead>
</table>
| Alfa SPA        | Giuseppina Alfa (G3): “The previous generation knew that relations among cousins are not easy sometimes. This is why they gave us some rules and we just respect them in order to avoid problems between us. We respect and trust each other (G3) thanks to the effort put in by the previous generation. Trust was, and still is, essential to work well together”.
|                 | Valeria Alfa (G2): “There is an easy flow of knowledge within and between generations as it was in the past. The reason is that our family was and still is very committed to the business…and it is happy within it”.
| Beta SA         | Filippo Beta (G2): “We have always acted as a community. Trust among us is very high, that’s why collaboration works very well. We do not fight but we discuss with each other, so that we manage to soothe disagreements”.
| Gamma SA        | Claudio Gamma (G2): “Trust is considered an important value enabler of cooperation and collaboration. We trust each other and work for the success of the firm”.
| Delta SA        | Carlo Delta (G3): “My father and my uncles (G2) were able to build a solid firm which has been growing since the 1960s. Trust was a key factor for their success. Nowadays, the business is divided into three parts: administration, production, and distribution. Each member of the third generation works with his father in a specific area of business. Our relations (i.e. between Carlo and his cousins) are not very good”.

Researchers’ note: Contrary to the Alfa, Beta and Gamma family firm, in the Delta family firm it seems that relations between family members (in particular, between Carlo and his cousins, G3) —needed for KA— are not strong. They do not trust each other so much: conflicts arise too often.

Table 4: Commitment to the family business

<table>
<thead>
<tr>
<th>Family business</th>
<th>Quotations from interviewees</th>
</tr>
</thead>
</table>
| Alfa SPA        | Giuseppina Alfa (G3): “Commitment has always been very high. We work for the wealth of our business within the family”.
|                 | Valeria Alfa (G2): “There is an easy flow of knowledge within and between generations as it was in the past. The reason is that our family was and still is very committed to the business…and it is happy within it”.
| Beta SA         | Daniela Beta (G3): “I am very committed to the family business, I have been working within our organization since I was a child. The previous generation has shown me how important our business is and how many sacrifices are needed to keep it alive”.
|                 | Filippo Beta (G2): “We have been always very focused on our business and the third generation behaves the same. We communicate and exchange ideas with each other very easily because we are all very committed to the business and most importantly to keep it as
a family business”.

<table>
<thead>
<tr>
<th>Family business</th>
<th>Quotations from interviewees</th>
</tr>
</thead>
</table>
| **Gamma SA**    | Mattia Gamma (G3): “I need to work and learn more and more to make our business even bigger than it is today”. Claudio Gamma (G2): “As for me...the business is my life. I am very committed to it, as well as, my nephew, Mattia (G3)”.
| **Delta SA**    | Carlo Delta (G3): “Commitment to the business is one of the first things that family members must have. When I retire, I will need a successor (my cousin(s)) very committed to the business. I feel part of G2 and I do my best to share and transfer all my know-how to my cousins (G3) even though sometimes it is not easy because young people are more disorganised, less concentrated, and have a lot of interests”. Stefano Delta (G2): “It appears to me that the third generation, except for Carlo, is not so committed to the business as we are”.

Table 5: Psychological ownership to the family business

<table>
<thead>
<tr>
<th>Family business</th>
<th>Quotations from interviewees</th>
</tr>
</thead>
</table>
| **Alfa SPA**    | Giuseppina Alfa (G3): “The business has always been a big part of family members’ life. I remember my father and uncles who used to spend 15 hours a day in the firm. Their life was the Alfa family firm. Nowadays, we still work hard and we are very emotionally attached to the family firm (product-line-extension, diversification, acquisition of Astrelio, etc.) but we also have time to enjoy our life. In addition, we are more specialised in our area and we are able to better control the business”. Valeria Alfa (G2): “The business is an extension of ourselves. We are the business and the business is part of us. For this reason, we put all our efforts into transferring all our knowledge to the third generation”.
| **Beta SA**     | Daniela Beta (G3): “The company life has been the main family members’ interest across generations. I began visiting the company when I was around 12 years old...entering the company was something gradual and natural”. Filippo Beta (G2): “I feel personally responsible for my organization and I transmitted the same values to my sons and to my nephew. We and the business are the same things and we work hard for our and its success through knowledge accumulation across generations”.
| **Gamma SA**    | Mattia Gamma (G3): “I feel responsible for the family firm and I work hard for its success”. Claudio Gamma (G2): “I have been working all my life in the family firm, thereby acquiring and adding new knowledge - since 1968. I identify myself with the family firm. I feel part of it and a strong responsibility to it...I follow the production of wine from the land to the label in order to guarantee the final product consumed by the customer”.
| **Delta SA**    | Carlo Delta (G3): “I have been working for more than 30 years in the family firm. I do not have anything else than my business and I have given all my life to the business, I made a lot of sacrifices for it ... I feel this is my own place. I am glad when I go on holidays but I miss my place. It was the same in the second generation, with my father and uncles, and in the first generation with my grandfather. My father is 81 years old and he is still active in the business. The same is true of my uncles. I do not know about the future...when I retire and my father and my uncles die...’we will see’ if the Delta firm will go on. Moreover, I am not married, I do not have children, and my cousins and their sons are not interested in the firm...maybe the business will shut down after this generation”. Stefano Delta (G2): “Our main interest has always been the wine business. This is the only thing we are able to do. We identify ourselves with the business. Carlo is a good example. Unfortunately, I cannot say the same about the third generation”.

Researchers’ note: Contrary to the Alfa, Beta and Gamma family firm, in the Delta family firm it appears that family members of G3 are not emotionally attached to the business (in particular, Carlo Delta’s cousins). This negatively affects KA.
Table 6: Academic courses and practical training courses outside the family business

<table>
<thead>
<tr>
<th>Family business</th>
<th>Quotations from interviewees</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Alfa SA</strong></td>
<td>Researchers’ note: The managers of the family firms interviewed recognise that the basis of their knowledge has been developed at school. Dyer (1986, p. 27) believes that “the college or technical degree is the first hurdle that potential successor must overcome”. For instance, Valeria Alfa, Giuseppina Alfa and Filippo Beta have followed several specialisations in Business Economics and Oenology. Daniela Beta has a degree in Economics and Communication and a Master in Business Administration. Claudio Gamma has a Diploma in Economics (Lugano) and a Diploma in Oenology (Lausanne). He has also followed several courses in continuing education at the University of Bordeaux (1989/90 - 2000). Carlo Delta has a Diploma in Economics (School of Geneva: École Supérieure de Commerce) and a Diploma in Viticulture and Enology (School of Lausanne: École Supérieure de viticulture et oenologie).</td>
</tr>
</tbody>
</table>
| **Beta SA**     | Giuseppina Alfa (G3): “Knowledge is also acquired through training courses within and outside the firm (in production, management, and so on) provided for family and non-family members, for managers and shop-floor workers”.
Filippo Beta (G2): “We have acquired our basic knowledge at school but training courses have been crucial to develop specific abilities, for instance in management and product-making. For instance, Daniela Beta followed three specific training courses in the last five years. Two courses in management and marketing and another one in product-making”.
| **Gamma SA**    | Claudio Gamma (G2): “My nephew (Mattia) did several internships in wine firms and will do another one abroad soon. Moreover, Mattia will attend a School of Oenology for two years (2007/2008) in order to improve his competencies and add new value to the family firm”.
| **Delta SA**    | Carlo Delta (G3): “We do not have training courses at the moment, even though I admit that they are important and especially needed in our firm since we operate in a dynamic market”.

Table 7: Working outside the family business

<table>
<thead>
<tr>
<th>Family business</th>
<th>Quotations from interviewees</th>
</tr>
</thead>
</table>
| **Alfa SPA**    | Giuseppina Alfa (G3): “We have learned and we are still learning a lot from outside working experience. For instance, my nephew, Roberto, worked for other companies in order to acquire more experience before joining the Alfa family firm”.
Valeria Alfa (G2): “I remember my father who used to say that within the family you can learn a lot but it is never enough. You need to learn things also from outside so as to make your family even more knowledgeable”.
| **Beta SA**     | Daniela Beta (G3): “I have worked in three different companies before entering in the family business. I have learnt things that I could not easily learn within our family organization. Sometimes, the family business over protects its ‘children’ and this is not always a good thing”.
Filippo Beta (G2): “We believe that working outside the family firm opens up new horizons and new ways of doing business. We always promote and encourage the new generation to have working experience outside the family business, especially before joining our business”.
| **Gamma SA**    | Mattia Gamma (G3): “I have worked in several other firms before joining the family business. My uncle advised me to do this and today I can just thank him. It was great advice”.
Claudio Gamma (G2): “I worked for six months in a wine firm in Germany and for six months in a wine firm in Switzerland before starting the business. Such experiences have also taught me how to run my business”.
| **Delta SA**    | Carlo Delta (G3): “If you want to learn something more, you have to leave home for a while. You need to go outside, have a different view of your business and of how to do business. I worked for nine months in a wine firm in South Africa and six months in a wine firm in Germany. Unfortunately, my cousins (G3) do not have work experiences outside the
family firm’.
Stefano Delta (G2): “The dynamic market in which we compete forces us to acquire new knowledge from outside. Working outside the family business for a specific period is a good option to achieve this goal”.

Table 8: Employing/using non-family members

<table>
<thead>
<tr>
<th>Family business</th>
<th>Quotations from interviewees</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alfa SPA</td>
<td>Giuseppina Alfa (G3): “We have learned a lot from external experts who joined our business. I have personally acquired knowledge working with the new sales manager employed in the 1970s (Mr Franco Rovida, from the company Ramazzotti). Today, the sales director and managing director are non-family members. They are really an important asset...Knowledge in creating blends of liqueurs (product-line-extension and diversification) and in management improved with the third generation and with the new, skilled non-family members employed in the 1970s. Our family firm also resorts to, and benefits from, consultants. The family firm has always been open to acquiring skills from outside, but never more than today”. Valeria Alfa (G2): “Some entrepreneurs from the South of Italy think they know everything; but it is not possible. External assistance is needed. We continually invest money in acquiring knowledge from outside. Research was and still is important. The best place in which research can develop is the university. We have good relations with some universities and we draw advantage from their studies and surveys into our sector, into what we produce. For instance, we are cooperating with a Professor on the creation of new products”.</td>
</tr>
<tr>
<td>Beta SA</td>
<td>Daniela Beta (G3): “I have personally learned a lot from external experts hired within our organization. They are a valuable contribution to our success”. Filippo Beta (G2): “The previous generation taught us that it is not possible to develop all the relevant knowledge within an organization. My father was convinced that capable people are the key for sustainable success... he hired young and brilliant professionals to bring in new energy and ideas. We do the same today”.</td>
</tr>
<tr>
<td>Gamma SA</td>
<td>Mattia Gamma (G3): “Strong relations are established with research centres, universities (a professor of the University of Bordeaux follows the tasting of wines every two years. Research has been conducted in order to learn how to produce high-quality young wine and white wine from red grapes) and specialists in management (e.g. an Italian specialist of sales and marketing every week helps us to increase sales. We are acquiring new competences in management through this kind of cooperation. The cost was about 30,000 Swiss francs)”. Claudio Gamma (G2): “Knowledge is also acquired from outside the family. We have an engineer who is responsible for the vineyards and an expert oenologist who is responsible for the cellar”.</td>
</tr>
<tr>
<td>Delta SA</td>
<td>Carlo Delta (G3): “More external help would be helpful for our organization”. Stefano Delta (G2): “Today, we rely more on internal human resources”. Researchers’ note: Contrary to the Alfa, Beta and Gamma family firm, in the Delta family firm although it is recognised the importance of training courses, working outside the family business and employing/using non-family members for KA, these factors are not taken into great consideration.</td>
</tr>
</tbody>
</table>
Figure 1: The Family-Business Knowledge Model

Openness factors:
- Academic courses and practical training courses outside the family business
- Working outside the family business
- Employing/using non-family members

Emotional factors:
- Family relationships working within the family business (Face-to-face interactions, more generations which work together and practical training courses within the family firm)
- Commitment to the family business
- Psychological ownership to the family business

 KNOWLEDGE (accumulation process)

Enabler of Longevity

Trust between family members
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### APPENDIX 1

**Family-business trees**

![Family-business trees diagram]

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Author Biography

Francesco Chirico is a research fellow at the Institute of Management of the University of Lugano, USI (Switzerland). He received its PhD in Economics with Summa Cum Laude in February 2008 from the University of Lugano. He is the Teaching Assistant for the master’s course ‘Family Business and its Governance’. He has published several articles in international journals and books. He obtained many research grants and awards. Francesco Chirico was a visiting scholar at the Wilfrid Laurier University -School of Business and Economics (Waterloo, Canada), under the supervision of Prof Pramodita Sharma and Prof Simon Taggar in 2007.