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Chapter 8: Experiential Learning through the Transformational Incubation Programme: A Case study from Accra, Ghana

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Introduction

Whilst entrepreneurship can play an important role in socio-economic development (Acs et al, 2014) it is argued that entrepreneurial activity which focuses predominantly on the individual entrepreneur may not have the desired impact on socio-economic development. In this sense, it is important to consider individual entrepreneurial activities within the wider socio-economic setting and to put into place a transformational mind-set from the beginning when developing business models. Miller and Collier (2010, p85) defines transformational entrepreneurship “as the creation of an innovative virtue-based organization for the purpose of shifting resources out of an area of lower and into an area of higher purpose and greater value under conditions requiring an holistic perspective”. A reliance on the provision of grants and subsidies may negatively influence the nascent entrepreneurial mind-set, and foster a dependency culture. By focusing on business incubation and start-up in terms of experiential learning we aim to help support greater entrepreneurial independence and resilience as well as helping to develop greater ‘pro-social’ awareness amongst incubatees.

The case study in this chapter presents a programme designed to achieve the objective of supporting the creation of a range of businesses equipped for transformational entrepreneurship. By working with a local support team, along with mentors and business advisors, our approach is to support the incubatees as individuals and in their group development; help the entrepreneurs to develop a robust business model; support the growth aspirations of the business, relative to the needs and resources of the business; and, help the business to become investor ready.

The programme builds experiential learning through three levels - the individual, the team (where relevant), and the business and its context. This multi-dimensional approach requires coordination with the local support teams and a degree of flexibility in the approach to the

delivery of training to reflect the fact that businesses will progress at different rates. A learner-centric approach is required to adapt to the individual and their particular business needs.

Entrepreneurship Education

Despite offering a systematic literature review on entrepreneurship education, Pittaway and Cope (2007) conclude that there lacks consensus in the literature on the basic principles of and definition of entrepreneurship education (EE) as well as definitive evidence that education can create more effective entrepreneurs. Lackéus (2015) suggests that discussions concerning entrepreneurial education need to start with clarification of meaning and suggests that entrepreneurship may be considered from either a narrow or wide definition. The narrow definition of entrepreneurship it is about becoming an entrepreneur and necessarily involves business development, self-employment, venture creation and growth (Fayolle and Gailly, 2008, Mahieu, 2006). However, a wide definition of entrepreneurship is more concerned with being enterprising, expression and creativity, and taking initiative. In this sense it is more generally about becoming entrepreneurial and not specifically concerned with venture creation (Mwasalwiba, 2010). Since the study presented here is concerned with EE in an incubator context, the definition adopted here is the narrow view of entrepreneurship as involving some form of venture creation or business growth. A further commonly held distinction in the nature of EE is concerned with purpose and differentiates between EE that is ‘about’, ‘for’ and ‘through’ entrepreneurship. Teaching ‘about’ entrepreneurship refers to a theoretical approach which seeks to enable learners to develop a general understanding of entrepreneurship and enterprise as a subject and may be considered the most common higher education approach (Mwasalwiba, 2010). Alternatively, teaching ‘for’ entrepreneurship provides a means to engage directly with the development of self-employment knowledge and skills and aims to support nascent entrepreneurs in start-up. The process of teaching ‘through’ entrepreneurship is described as offering a more experiential approach where learners are directly engaged in an entrepreneurial learning process through business development and learning opportunities derived directly from the actual experience of business ownership and entrepreneurship (Kyrö, 2005). Here we are primarily concerned with teaching ‘through’ entrepreneurship and consider the role of incubation as an important part of HE entrepreneurship education through the emphasis on experiential learning.

Experiential Learning

Kolb (1984) considers experiential learning as “the process whereby knowledge is created through the transformation of experience. Knowledge results from the combination of grasping and transforming experience” (p.41). In this sense, Kolb considers experience as an external environment with which the learner develops a reciprocal relationship. Learning therefore is the process of understanding more about the learners’ social and physical environment and in turn having the ability to influence and shape this. This is a continuous, iterative and coevolving process of experimentation and reflection where both learner and the learners’ contextual environment may develop and transform. Kolb et al (2001) present Experiential Learning Theory (ELT) as a holistic model of the learning process. ELT emphasises the central role of experience and practice. It is also referred to as experiential due to it having roots in the experiential works of Dewey (philosophical pragmatism), Lewin (social psychology) and Piaget (cognitive developmental genetic epistemology).

Boud et al (1993) also underline the importance of reflection in experiential learning theory and therefore the use of reflective journals to record learning through practical experience. They prioritise the notion of ‘internal’ and ‘external’ experience forming the cognitive and social components of learning. Lefebvre (1991) considered these along with the physical/ontological aspect of space as forming the spatial triad (social, cognitive and physical) in the production of space. It is through the interplay of these elements that we appreciate the range of dynamic interactions in ELT. Kolb and Kolb (2005) introduce the concept of (the) learning space as a “framework for understanding the interface between student, learning styles and the institutional learning environment [...] experiential learning can be applied throughout the educational environment by institutional development programs, including longitudinal outcome assessment, curriculum development, student development, and faculty development” (p.193).

Boud et al (2013) underline that whilst experience based learning is increasingly popular as a pedagogic approach, reflection is often insufficiently treated in programmes. Reflection should provide a dynamic component that is continuously part of contextualising the choices made and lessons learned and should be theoretically underpinned. It is by constantly oscillating between action and reflection that the shift between internal and external experiences enables the learner to progress. Dobson and Selman (2012) refer to the use of action-oriented approaches as an opportunity for experiential learning in a research context. Here reflexive

enquiry, through a process of action cycles (Elfors & Svane, 2008; McNiff 2005), creates the opportunity for the researcher to learn and build knowledge in a practical organisational context. Blichfeldt and Andersen (2006) underline the benefits from the ‘double-loop’ learning approach introduced by Argyris and Schön (1978) and Schön (1983). In this model, outcomes resulting from a ‘practice’ loop may feed into a second loop as the ‘motive’ for theoretical enquiry. We may consider that this dialectic involves shifting between learning ‘for’ entrepreneurship to learning ‘through’ entrepreneurship and back again iteratively.

Entrepreneurial development through incubators

Establishing an educational model ‘through’ entrepreneurship involves direct engagement with experiential learning. ELT underlines the necessary oscillation between internal and external dimensions of learning development and therefore the process of entrepreneurship becomes a central bridge for the learner to connect these. Business incubators are important vehicles to support this practice-based learning through experience.

Voisey et al (2006; 2013) examine the impact and success of business incubation in the development and support of entrepreneurial activity and outline that “incubation is now viewed as a key component of regional and national economic development” (p.455; see also Harman and Read 2003). According to Hackett and Dilts (2004), the role of an incubator is to deliver a community or regional strategy to promote new enterprise survival. Therefore, central to this proposition is the notion of place and connection between the fledgling business and its wider regional and community ecosystem and strategic goals. The underlying assumption therefore is that incubators are developing socially productive enterprise that fits with the needs of the local region whilst also supporting employment and economic growth.

The Case Study: Transformational Incubator, Accra, Ghana

Country Context

The need for an entrepreneurial renaissance in Africa is acute. Potential solutions are needed to generate a socio-economic revitalisation addressing the challenges of, amongst others, youth unemployment, deepening income inequality, and persistent jobless growth. Amongst the countries in sub-Saharan Africa Ghana is resource-rich, politically stable and often cited as a model for developing African nations (BC 2017). Ghana has a population of 27.41 million (World Economic Forum 2015) and is has a Middle-Income Country (MIC) status, although many of Ghana’s development indicators are still in the state of a Low-Income Country (LIC).

In recent decades, Ghana has made rapid progress towards human development and reduction of poverty levels, however it is now facing significant macroeconomic challenges, including a sharp increase in inflation and public debt, a rapidly devaluing currency, and infrastructure shortages (BC 2017). Ghana's labour market remains poorly educated with 25 per cent having no education and 57 per cent obtaining only primary level education. In 2015, 53.8 per cent of GDP came from services; this is a figure in decline. Industry's contribution to GDP is 26.7 per cent and agriculture is increasing at a level of 19.5 per cent. While the Ghanaian economy is increasingly diversified, agriculture remains robust but constrained by declining popularity of the sector among young people who are drawn toward the service sector. According to the most recent Global Entrepreneurship Monitor (GEM) report for the country, the percentage of 18-64 population who are either a nascent entrepreneur or owner-manager of a new business, referred to as Total Early-Stage Entrepreneurial Activity (TEA) rate, is 25.8 per cent. This appears to be a robust figure in comparison with the UK (8.8 per cent) and the US (12.6 per cent) but the figure is quite low compared to countries such as Botswana (33.2 per cent), Uganda (35.5 per cent), Senegal (38.6 per cent) and Nigeria (39.9 per cent). In 2016, the IMF, World Economic Outlook database indicates the Ghana as having a 5 per cent decrease in GDP growth between the average in 2010-2014 and 2015-16'

Transformational Incubator – Skills Hub and Innovation Centre

In March 2016, the British Council Skills Hub and Innovation Centre opened in Accra, Ghana to support and influence youth employment and self-employment in the capital. Working with private-sector investment, the British Council created the Skills Hub as a virtual and physical space, offering resources, skills development support, expertise and knowledge sharing thus catering to the needs of young Ghanaians by providing them with access to innovative products and spaces. Through the Skills Hub, young people have access to training to develop long-term transferrable skills for the Ghanaian and global marketplace. Alongside this, the International Centre for Transformational Entrepreneurship (ICTE) at Coventry University, working with the British Council, established the Transformational Incubator in June 2016 to support both local start-up and growth oriented businesses.

The Transformational Incubator was exploratory in nature and intended to last for an initial period of six months and initially with twenty five (25) incubatees. As the project progressed, it was agreed to extend the period of support to nine months to ensure that as many businesses as possible could make positive progress towards start-up or growth and investment readiness.

As a collaborative venture, the incubator was initiated to find solutions for the graduate unemployment problem in Ghana and commenced by assisting Coventry University alumni to build a transformational entrepreneurial mind-set and approach. The support provided through the incubator is delivered through a blended learning approach. This combines face to face contact, mentoring, formal training at the Skills Hub, and also online training, mentoring, and support through the Coventry University virtual learning environment. The project started with Coventry University alumni as the university provided the initial investment. The aim and ambition, however, was to test the model prior to plans to widen the reach over time. From the outset, the experiences of the incubatees in starting businesses or diversifying and growing existing businesses was intended to feed into the development of the incubator, so that the services and mode of delivery were appropriate for the local context and need. The initial model has provided a blueprint for developing place-based approaches to incubator support which can be extended to other countries and include graduates from any university.

The incubator programme offered a unique opportunity for participants to acquire business and leadership skills needed to grow transformational businesses as well as further exposure and integration with the Ghana Entrepreneurship Ecosystem. The programme aimed to deliver the following:

- Workspace and appropriate facilities to 25 graduates of Coventry University.
- Access to mentoring, networking and other enterprise development opportunities to Coventry University alumni in Ghana.
- Activities that will provide opportunities for Coventry University students to gain entrepreneurial exposure in Ghana.
- Foster the development of knowledge, information and links around enterprise and community resilience.

The programme adopted a blended approach (both face to face and online), with sessions led by both the British Council and ICTE. Due to restricted availability of the entrepreneurs as they maintained the daily operations of their businesses, the programme ran on a monthly basis with an attendance requirement of 3 days a month. ICTE provided bi-monthly face-to-face workshops covering: investment preparedness, business planning, and transformational entrepreneurship as well as online mentoring. In addition to this, British Council provided

further support in the form of: Face-to-face coaching, online mentoring, pitch training, co-working/ meeting space, and experiential trips.

The catalyst for the incubator was the launch of the Coventry University Africa Institute for Transformational Entrepreneurship (AITE). It was felt that a specific project should be implemented to help AITE gain traction and focus on activities within a specific region. The collaboration and support of the British Council Ghana was vital to the project and provided a means to start to address the socio-economic and graduate unemployment problems experienced in Accra and the surrounding communities. The British Council support was crucial due to their long-standing connections and access to the market. Recruitment was a combined effort between the British Council and Coventry University, both of which targeted alumni and inviting them to participate in the project and with AITE. The following provides a sample of the businesses that participated in the first phase of this project. The names of the businesses have been change to provide anonymity.

Case 1 Supply Chain Co.

Supply Chain Co was registered as a business in November 2016 and it works with 300 farmers in Northern Ghana. It currently employs four (4) permanent staff, three of which are field based farming specialists, working directly in support of farmers, and one is a Project Manager. The business owner joined the incubator in order to help grow the customer base of the company. The main objectives for the company are to:

- Provide Farmer Based Organizations (FBOs) with access to basic farm inputs and services
- Link FBOs to ready and reliable markets for their produce/commodities.
- Improve yields through a range of extension service delivered to FBOs from the start of the farming season to the end.
- Provide all contracted farmers with insurance against drought and fire.

Initially it seemed that the value proposition aimed at FBOs was quite broad-based and consequently difficult to manage through a period of growth. The key areas were described as provision of inputs and production services to improve yield; access to credit; introduction of appropriate technology; skills transfer; guaranteed and fixed pricing structures; and reliable market access. Through the incubator, mentors supported mentors a range of business improvement, with a view to creating greater operational clarity and a focus on fewer key areas

in the value proposition. Due to the range of services, establishing a robust evidence-base for demand was providing significant challenges. It is here, therefore, that improving knowledge of the external environment significantly shifted thinking on the design of the business model. In this sense, the need to deliver real business growth generated significant questions about the owner's level of knowledge in key areas such as resource planning, operations, and a deep understanding of the customer/segmentation. These limitations were identified as the business owner attempted to formalise their ideas in a reflective report and business plan. This stage can often be often overlooked both by entrepreneurs not engaged in any kind of educational or incubation programme, or indeed by students in higher education who are simply learning about entrepreneurship from a theoretical perspective. The connection to education 'through' entrepreneurial activity ensures that every decision is visualised as a real-world endeavour:

"You need to imagine your company name as branding on all your equipment, grain sacks, truck livery, on clothing etc. You need to develop the brand. Have someone design a logo for you and think about what Image you want to portray through it. It's not just about reaching your customers, but about maybe creating the story behind your business and setting out your vision and mission for the business." Mentor

It is only by engaging with training and education 'through' entrepreneurship do we find that the learner's experience is totally connected to the challenge at hand. This leads to greater appreciation of context when subsequently reading theoretical accounts; in this case relating to marketing and branding.

Case 2 Uniform Workshop Co

Unlike Case 1, which describes a more established firm, Uniform Workshop Co. represents a business idea from a nascent entrepreneur. The value proposition here is to provide primary and secondary school education uniforms (B2C) as well as workwear (uniforms) in large quantities to business customers. The economies of scale would enable lower production cost to be passed on to the customers. An additional value proposition is to offer image consultancy and fabric advice for businesses (B2B) wishing to commission original and bespoke workwear.

In this case, a key focus for the incubation activities were to help the entrepreneur refine and improve the vision for the company and its intended client base. The incubatee tried to balance both drivers for cost reduction and quality in describing the customer profile. Their conception of the business model remained somewhat confused. However, the challenge of business

model improvement in practice would require them to refine and unpack their offering much more carefully:

“You aren’t really explaining how your gain creators are being mapped against your specific customer profiles. You could unpack these relationships much more. You say that customers want advice on style fabric and delivery, but what about value for money, consistency and service. I think there are a number of other value propositions you could explore if you segmented your markets more effectively.” - Mentor

Case 3 Estates Construction Co.

Case 3 represents a business that is in the process of start-up and the entrepreneur is pitching the Estates Construction Co. business plan to potential investors and shareholders including angel investors to secure the funds required to start-up and grow the company in the Ghanaian market. As investment is critical to this project, this entrepreneur aims to use the incubator to refine his plans and pitch as they need to be robust enough to withstand the scrutiny of potential investors. Estates Construction Co. is an estate development and construction company focussing on affordable housing development primarily in Ghana, with a view to expansion in the wider West African sub region.

A key point of learning for this entrepreneur was the operationalisation of the business and moving from a concept (albeit well researched and refined) to an implementation plan. As with case 1, it is this process of direct engagement with the external environment that develops deeper opportunities for experiential learning and for the refinement of initially theoretical knowledge and ideas. A key area for improvement of the business plan is in the environmental analysis and knowledge about the external business context and customer segments. In fact this area was found to be the weakest in most of the incubatee’s plans and an area where experiential learning was able to be most effective.

Whilst the incubator is deemed by the twenty five (25) participants to have provided valuable support, only around four (4) are ready to launch viable businesses at this stage. An important lesson learned from this process as an experiential learning case is that not everyone is able to move through a programme at the same rate and with a similar level of opportunity for learning. For this reason there needs to be much greater flexibility over the potential for participants to

complete a programme in a given period. Flexibility, due to the experiential, learner-centric nature of this way of providing entrepreneurial education and support, is a central theme (Kolb et al 2001; Mainemelis et al 2002). Personal development therefore is what needs to drive this process rather than a fixed curriculum of learning.

Discussion

Whilst EE necessarily starts with the entrepreneur it is evident from both ELT and incubator literature that experience of and engagement with the wider ecosystem must form a critical part of entrepreneurial development. It is for this reason that the nature and role of entrepreneurship as part of regional development policy must be considered. The global environment is characterised by various challenges such as income inequality, jobless growth, lack of leadership and rising geostrategic competition (WEF 2015). Although entrepreneurship is cited as an important means to tackle these (Pretorius et al., 2005; Bosma et al., 2006; Gibb and Hannon, 2006), individual entrepreneurs are struggling to sustain socio-economic development and, especially in a developing context, entrepreneurship does not always support local and national economic performance. What is needed are the right capability, capacity, eco-systems and policies to help successfully transform the socio-economic landscape. Sautet (2013) and Maas and Jones (2015) underline that whilst entrepreneurship has the capacity to be socially productive it can struggle to address these major challenges. It is clear that entrepreneurial activity which focuses predominantly on the individual entrepreneur (or indeed focuses solely on the local region) will probably not have the desired positive impact on national socio-economic development. Therefore, a balance between a focus on individual entrepreneurial activities and society-wide changes is what is required. Here we can appreciate the need for any such value propositions to be both informed by strong personal values and commitment to effecting change, which are directed by positive, pro-social entrepreneurial awareness of community and societal need. Within this context a systemic (or ecosystemic) approach outlines the broader orientation toward combining the individual and other sub-systems such as society and institutions to interact and reinforce so as to create a positive framework for opportunity development. In this sense, it is suggested that systemic entrepreneurship should be socially productive and go beyond the needs of the individual and their immediate ego network if it is to have a positive impact on socioeconomic growth, (Sautet, 2013).

Re-thinking the way entrepreneurship is promoted is therefore called for and the focus of this drive is systemic that can lead to transformational results. Miller and Collier (2010, p85) suggest that transformational entrepreneurship: “transcends economic terms and emphasizes the centrality and value of people, their vocations, and the many levels of relationality involved in entrepreneurship, in addition to the technical aspects of the business”.

The European Commission Green Paper ‘Entrepreneurship in Europe’ outlines that “Entrepreneurship is considered one of the most important factors contributing to economic development and has numerous benefits for society. It drives innovation, creates jobs, develops human potential and satisfies new customer demands” (Jaén et al., 2013, p16). However, as Schoar (2010) outlines, entrepreneurship is a multifaceted concept and is all too often treated homogeneously. In this critique, Schoar offers a valuable distinction between two types of entrepreneurs, these are: ‘subsistence’ and ‘transformational’.

“One can argue that there are at least two fundamentally different groups of entrepreneurs: First, there are those who become entrepreneurs as a means of providing subsistence income, which I will call the subsistence entrepreneurs. And second, there are those entrepreneurs who aim to create large, vibrant businesses that grow much beyond the scope of an individual’s subsistence needs and provide jobs and income for others.” (Schoar, 2010, p58)

A key problem with entrepreneurship for economic development is that very few new start-ups grow to become medium or large sized businesses and do not always create employment opportunities. There are several reasons for this. For example, the concept of ‘Liability of newness’ (Stinchcombe 1965) considers that start-ups may have only minor survival chances because of the time needed to build functional relationships and networks with larger and more established firms (also observed by Lubell, 1991; Van Stel et al., 2005). Here Van Stel et al. (2005) refer to the lack of a business ecosystem linking larger firms to smaller firms to support start-up development and growth. Additionally, administrative barriers and the national regulatory environment may negatively impact and curtail entrepreneurial start-up and growth in some regions (Singh et al., 1986; Van Stel et al., 2005). As Schoar describes, there is evidence to suggest that not only is there a distinction between subsistence and transformational entrepreneurship, there is also a “negligible fraction of the entrepreneurs transition from one type to the other” (p59). Therefore, it is proposed that much policy in this area fails due to its assumption that subsistence entrepreneurship is the first step on a transition toward transformational entrepreneurship.

Based on the experiences of developing incubator and educational programmes through experiential learning, academic literature, research, and policy development the following framework for transformational entrepreneurship development is proposed (Figure 2).

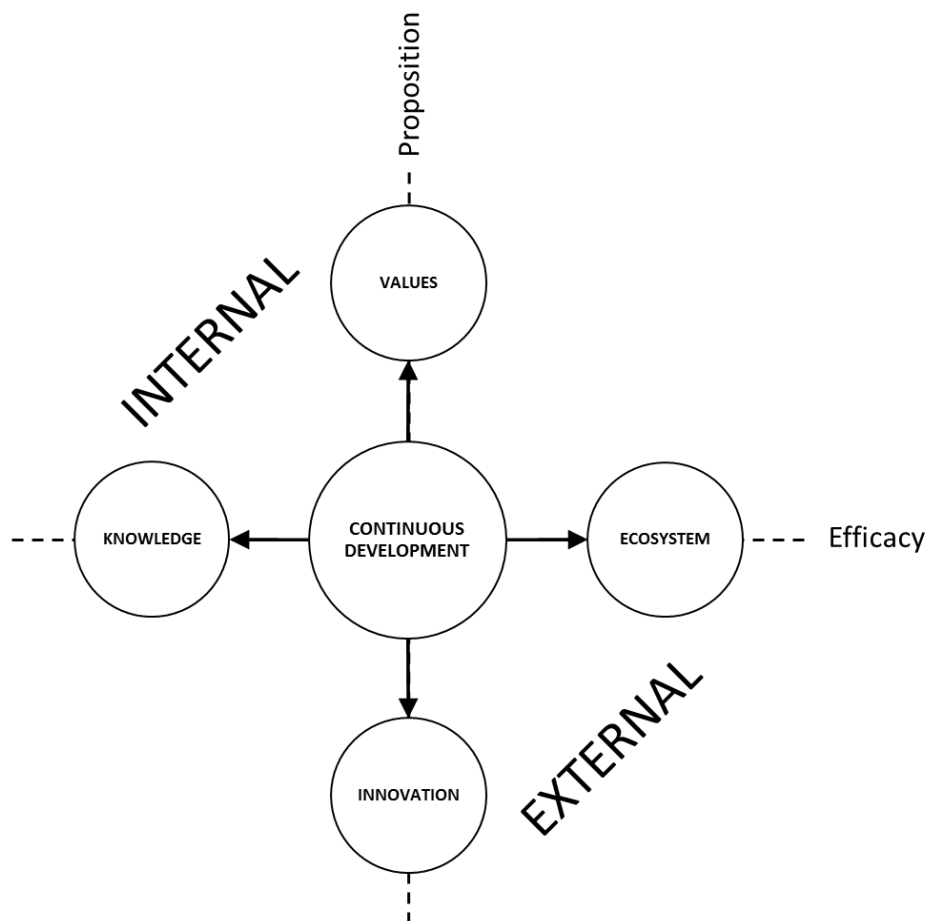


Fig 2: A framework for transformational entrepreneurship

Central to the framework is a process of continuous development and this is pursued through the balance of two axes – ‘efficacy’ and the ‘proposition’. Each axis represents the ideal balance between internal and external dimensions.

Entrepreneurial Efficacy, or Entrepreneurial Self-Efficacy (ESE), is commonly regarded as an essential determining characteristic of the entrepreneur (McGee et al 2009). Whilst measures for ESE, considering it as an intentionality model, refer to features such as entrepreneurial orientation, intention and behaviour it may be generically described as a 1) combination of the entrepreneurial characteristics of the individual and 2) the characteristics of a positive and

vibrant external environmental/ecosystem. From an educational perspective considering the role of continuous development it is possible to conflate individual entrepreneurial characteristics into the broader domain of knowledge. For the purpose of the framework, knowledge is referred to as the broad act of knowing and therefore encapsulates skills, practice, intuition, motivation, orientation and ability. These are all individual (internal) attributes which may be improved through processes of experiential learning and personal development via interaction with external experience. Therefore, ESE requires both internal and external dimensions for entrepreneurial enactment.

The 'efficacy' axis involves continuous development of knowledge (internal), represented by self-improvement, learning and also building better knowledge of the business environment and markets. The external dimension of this axis involves the continuous development of the ecosystem. This refers to actions relating to striving to create positive policy environments, support networks, partnerships and strategic alliances. The continuous development of entrepreneurial efficacy therefore requires improvements and developments in both these internal and external dimensions in a balanced and harmonious manner.

In addition to the efficacy axis, there needs to be a proposition. Emerson (2003) suggests that the proposition has often been viewed as either offering social or economic value and instead should be seen as indivisible. A blended approach is offered by Emerson combining economic, social and environmental benefit and therefore "requires us to re-examine our understanding of the nature of capital, the methodology for calculating rates of real return to investors, and the role of for-profit and non-profit organizations in the value creation process" (p.33). It may be suggested that the proposition represents value-based innovation; that is innovation supported by strong entrepreneurial ethics and pro-social motivation.

Like the efficacy axis, the proposition axis is also comprised of internal and external dimensions, these relate to 'values' and 'innovation' The continuous development of values (internal) involve developing one's own personal value set and goals, being responsive to societal and community needs and also communicating these to generate shared values. Whilst, personal values are intrinsic to a proposition for transformational entrepreneurship these will have little societal influence without externalising them as 'innovation' (external). Innovation is associated here with market disruption or societal impact and therefore is categorised as an external dimension of the proposition. In this sense, the continuous development of innovation enables a business to grow, develop, diversify, respond to societal needs, and to evolve.

Since both the efficacy and proposition axis comprise of internal and external dimensions we may combine the two internal dimensions and the two external dimensions. Therefore externally these form the ‘innovation ecosystem’ and internally the individual entrepreneur possesses ‘value-based knowledge’.

Implications for practice

It is clear that the process of experiential learning is highly context-specific and learner-centric as it is each incubatee’s interaction with real world opportunity which provides the environment and dynamic for learning. This is a significant challenge for any formal programme of learning and development support ‘through’ entrepreneurship. The support process can be considered as involving three phases: 1) Pre-incubation; 2) Incubation; and 3) Acceleration. When developing a curriculum of support, we observe that nascent entrepreneurs, who may need help making the first steps (pre-incubation), invariably require similar help and direction to get started. It is feasible therefore to develop generic support for this group of learners which may be delivered in a face-to-face synchronous manner. Similarly, those established businesses approaching the acceleration phase may also have broadly similar requirements since there is greater emphasis in this stage toward access to finance, policy engagement, regulations and legislation etc. which are equally relevant to all businesses within a given country context. Again, in phase 3, it is appropriate to develop generic support which may be delivered in a synchronous manner. However, findings from this work point to phase 2 as being the most varied and challenging to manage. It is in phase 2 where the variation (characteristics of the individual and external context and opportunities) becomes most evident and learning and support need to be highly tailored to the individual entrepreneur and business context. Synchronous learning becomes challenging to schedule as all participants will progress through learning cycles at different rates and with much greater variety of needs than are exhibited in either phase 1 or phase 3. It is here, therefore, that support through asynchronous learning is most beneficial.

Conclusions

The Transformational Incubator has provided an important case for Coventry University to establish a place-based approach to business incubation and support through a process of blended learning based upon ELT. The practical nature of delivering education ‘through’ entrepreneurship is a suitable context for ELT but also requires a great deal of learner-centricity and flexibility of the programme. The individual nature of business experiences which connect directly with the external environment make the delivery of support and iterative process driven by the individual learner’s personal development and so programme schedules and time-tables cannot drive the learning dynamic. The aim of the programme has been to embed a blended, experiential learning approach to practice-based entrepreneurship education via an incubator designed to support scalable business start-up and growth. From the programme four out of 20 participants are currently ready to launch businesses and but as a continual process it is expected that all of the participants will continue to develop learning based around the support of the two key axes of ‘efficacy’ and the ‘proposition’. This is presented in a resulting generic framework is for Transformational entrepreneurship experiential learning.

References

- Acs, Z.J., Autio, E. & Szerb, L. (2014) National systems of entrepreneurship: Measurement issues and policy implications. *Research Policy*, 43(3) 476-494.
- Argyris, C. & Schön, D. (1978) *Organisational Learning: A Theory of Action Perspective* Reading: Addison-Wesley
- British Council (BC) (2017) <https://ei.britishcouncil.org/news/country-coordinates-ghana>
- Blichfeldt, B. S. & Andersen, J. R. (2006) Creating a wider audience for action research: learning from case-study research, *Journal of Research Practice*, 2(1) 1–12.
- Boud, D., Cohen, R. & Walker, D. (1993) *Using experience for learning*. McGraw-Hill Education (UK).
- Boud, D., Keogh, R. & Walker, D., (2013) *Reflection: Turning experience into learning*. Abingdon, Oxon: Routledge.
- Bosma, N., Jones, K., Autio, K. & Levie, J. (2007) *Global Entrepreneurship Report: 2007 Executive Report* Babson and London Business School

- Elfors, S. & Svane, Ö. (2008) Action research for sustainable housing: theoretical and methodological implications of striving for research as a tool for change, *The Journal of Transdisciplinary Environmental Studies*, 7(2) 1–12.
- Emerson, J., (2003) The blended value proposition: Integrating social and financial returns. *California Management Review*, 45(4) 35-51.
- Fayolle, A. & Gailly, B. (2008) From craft to science: Teaching models and learning processes in entrepreneurship education. *Journal of European Industrial Training*, 32(7) 569-593.
- McGee, J.E., Peterson, M., Mueller, S.L. & Sequeira, J.M., (2009) Entrepreneurial self-efficacy: refining the measure. *Entrepreneurship Theory and Practice*, 33(4) 965-988.
- Gibb, A. & Hannon, P. (2006) Towards the entrepreneurial university? *International Journal of Entrepreneurship Education*, 4, 73-110.
- Hackett, S.M. & Dilts, D.M. (2004) A systematic review of business incubation research, *The Journal of Technology Transfer*, 29(1) 55-82.
- Harman, P. & Read, L. (2003) Supporting incubation in the UK through the development of benchmarks, *UKBI: International Council for Small Business, 48th World Conference, Northern Ireland*, 15-18 June, p. 2.
- International Monetary Fund (IMF) (2016) *Regional economic outlook. Sub-Saharan Africa* International Monetary Fund, Publication Services
- Jaén, I., Moriano, J. A., & Liñán, F. (2013). Personal values and entrepreneurial intention: An empirical study. In A. Fayolle, P. Kyrö, T. Mets, & U. Venesaar (Eds.), *Conceptual richness and methodological diversity in entrepreneurship research* (pp. 15-31). Northampton, MA: Edward Elgar.
- Kolb D.A. (1984) *Experiential learning: experience as the source of learning and development* Englewood Cliffs, NJ, Prentice-Hall
- Kolb, D.A., Boyatzis, R.E. & Mainemelis, C. (2001) Experiential learning theory: Previous research and new directions. *Perspectives on thinking, learning, and cognitive styles*, 1(2001) 227-247.

- Kolb, A.Y. & Kolb, D.A. (2005) Learning styles and learning spaces: Enhancing experiential learning in higher education. *Academy of Management Learning & Education*, 4(2), 193-212.
- Kyrö, P., (2005) Entrepreneurial learning in a cross-cultural context challenges previous learning paradigms. The dynamics of learning entrepreneurship in a cross-cultural university context. *Entrepreneurship Education Series*, 2, 68-102.
- Lackéus, M., (2015) *Entrepreneurship in Education—What, why, when, how*. *Entrepreneurship 360. Background paper*. Paris: OECD Publishing
- Lefebvre, H., (1991) *The Production of Space* Oxford: Blackwell.
- Lubell, H. (1991). *The Informal Sector in the 1980s and 1990s*. Paris: OECD.
- Mahieu, R., (2006) *Agents of change and policies of scale: a policy study of entrepreneurship and enterprise in education* (Doctoral dissertation, Svenska och samhällsvetenskapliga ämnen).
- Mainemelis, C., Boyatzis, R.E. & Kolb, D.A., (2002) Learning styles and adaptive flexibility: Testing experiential learning theory. *Management Learning*, 33(1) 5-33.
- Maas, G. and Jones, P. (2015) *Systemic entrepreneurship: contemporary issues and case studies*. London: Palgrave Publishing.
- Mwasalwiba, E., (2010). Entrepreneurship education: a review of its objectives, teaching methods, and impact indicators. *Education+ Training*, 52(1) 20-47.
- McNiff, J., Lomax, P., & Whitehead, J. (2005) *You and Your Action Research Project* London: Routledge Falmer
- Miller, R.A. & Collier, E.W., (2010) Redefining entrepreneurship: A virtues and values perspective. *Journal of Leadership, Accountability and Ethics*, 8(2), 80.
- Pittaway, L. and Cope, J., (2007) Entrepreneurship education: a systematic review of the evidence. *International Small Business Journal*, 25(5),479-510.
- Pretorius, M. Nieman, G. & Van Vuuren, J. (2005) ‘Critical evaluation of two models for entrepreneurial education -- an improved model through integration’, *International Journal of Educational Management*, 19(5), 413-427

- Sautet, F. (2013) Local and systemic entrepreneurship: solving the puzzle of entrepreneurship and economic development, *Entrepreneurship Theory and Practice*, 37(2), 387-402
- Schön, D. (1983) *The Reflective Practitioner: How Professionals Think in Action* New York: Basic
- Schoar, A. (2010) *The divide between subsistence and transformational entrepreneurship*, National Bureau of Economic Research, Chapter URL: <http://www.nber.org/chapters/c11765>, (pp 57–81).
- Singh, J. V., Tucker, D. J., & House, R. J. (1986). Organizational legitimacy and the liability of newness. *Administrative Science Quarterly*, 31(2), 171-193.
- Stinchcombe, A. L. (1965). Organizations and social structure. In J. March (Ed.), *Handbook of organizations* (pp. 153–193). Chicago, IL: Rand McNally.
- Van Stel, A., Carree, M., & Thurik, R. (2005). The effect of entrepreneurial activity on national economic growth. *Small Business Economics*, 24(3), 311–321.
- Voisey, P., Jones, P. & Thomas, B., 2013. The pre-incubator: a longitudinal study of 10 years of university pre-incubation in Wales. *Industry and Higher Education*, 27(5) 349-363.
- Voisey, P., Gornall, L., Jones, P. & Thomas, B., 2006. The measurement of success in a business incubation project. *Journal of Small Business and Enterprise Development*, 13(3) 454-468.
- World Economic Forum (WEF) 2015 <http://reports.weforum.org/outlook-global-agenda-2015/top-10-trends-of-2015/>.