Editorial

Sustainable Business Model Innovation: Review, Analysis and Impact on Society

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1. Introduction

Sustainability issues are on the rise and companies are pressured to respond [1]. Arguably, company response is a rather reactive approach and insufficient given the evidence regarding broken planetary boundaries and the immediate need for business transformation and alignment of the economic system with the planetary system [2]. For appropriately communicating social and environmental priority issues, and prompting discussions regarding natural resources and energy [3], the business model concept has become an increasingly useful tool [4,5]. Indeed, issues related to the environment, natural resources and climate change are increasingly looked at through the lens of business model innovation, adaptation and transformation processes to examine value generation at economic, social and environmental levels [6,7]. A unique feature of the business model perspective is that it allows non-science managerial audiences to appreciate discussions about planetary boundaries and system change requirements, which otherwise would be suppressed by the narrow focus on management concepts such as revenue and profit. The business model and sustainable business model innovation literatures thus offer a mechanism to reorient firm-level innovation towards sustainability, supporting conservation of natural resources [8] as well as addressing social and environmental concerns [9,10].

Societal and environmental concerns are not a recent phenomenon, but have been raised in various circles since the 1960s/70s [11,12]. For reasons related to economic prioritisation over the environment, as well as industrial-strength denial [13], real actions and sustainability innovations, however, have not entered the mainstream of the business and management literature until very recently [14]. The business model is an important conceptual advancement in this context, as it helps to balance economic with sustainability imperatives. Bocken et al. [15] investigate how businesses might create balanced social, environmental and economic value through integrating sustainability more fully into the core of their business. Joyce and Paquin [16] introduce a triple-layered business model, based on the traditional business model canvas, to address and incorporate sustainability issues. They argue for vertical and horizontal coherence of business models regarding the economic, environmental and social layers of the business model. Yang et al. [17] promote the idea of business model innovation as successful transformation towards sustainability. Furthermore, it is important to be aware that sustainable innovation has become an essential feature internationally [18]. Although the diffusion of sustainable innovation remains a challenge for many, it is indispensable in order to overcome economic barriers and gain user acceptance [9]. The rationale for becoming a sustainable company lies in the value proposition and the capacity for innovation development [17]. In fact, an increasing number of start-ups are committed to the use of innovation as a vehicle for differentiation [19], through the use of sustainable technology [20].

As a consequence of the importance of sustainability today, more and more business models are emerging with sustainable innovations and a global approach, where innovation...
and technology become key tools for their development [21,22]. Thus, there has been a
shift in business models around the world, which pay close attention to sustainability as
a vehicle to evolve and achieve success [23]. Business models and the notion of business
model innovation (BMI) has received considerable scholarly interest in the last decade in
the manufacturing and service domains [24]. Lopez-Nicolas et al. [25] found significant
gender differences in business model innovation for small and medium enterprises (SMEs),
and Sinkovics, Sinkovics and Yamin [4] have looked at business model reformulation
at the bottom of the pyramid. The idea of transforming the logic of the organization
through business model and business model innovation [26] has also been applied to the
area of sustainability, although the notion of sustainable business model innovation, in
this context, has sometimes been reduced to (economic) business continuity. This is why,
within this special issue, we deliberately focus on “sustainability” as it relates to social
and environmental issues, above and beyond economic business model innovation aspects [18].

Considering sustainability and incorporating green as a core part of a business can
help many companies today to reduce costs, seize opportunities in emerging markets
and gain a competitive advantage in the marketplace [9]. Some authors have suggested
that sustainable business models can create social and customer value as a consequence
of integrating the environment into business activities [23]. This has led more and more
organisations to prioritise the diffusion of clean and renewable energy [5]. Although
interest is growing, sustainable innovation in business models has not yet received the
full attention it deserves [17], and there is some debate about its conceptualisation [27]. In
particular, many countries still ignore the potential of sustainable innovation within the
firm, so initiatives for new government regulations are rare [20].

In short, innovation in current business models is already a necessity to generate
new innovative solutions in social [28], customer [29], environmental [30] and sustainable
aspects [10]. For successful commercialisation of sustainable innovations, it can be crucial to
have a value proposition that provides green values, a supply chain that engages suppliers
to take environmental responsibility as well as initiatives that motivate customers to take
consumption responsibility [18]. In addition, a financial model is needed that shows a
balance between economic and ecological costs/benefits among the participants involved
in the business model [5].

This special issue is concerned with the study of different aspects related to sustain-
able business models. We invited papers to take such questions further. How can the
renewal of business models lead to improved responsiveness and firm resilience in a
resource-constrained world? Is it possible to achieve systematically higher performance
outcomes over traditional business models [20]? What are the promises and perils of new
technologies and analytical tools such as big data and advanced ICTs [31] for business
model innovation [3]? Is there any guidance for sustainability entrepreneurs [1]? How
can we control and avoid the “dark sides” of such advanced technologies [32]? After
several rounds of review, different works have been selected that have focused on studying
the evolution of this concept, its application to different areas (waste management or the
healthcare industry) and future lines of action to be taken into account for the correct
implementation of sustainable business models. The following section describes the main
contributions of these works and their theoretical and empirical implications.

2. A Short Introduction to the Contributions of the Special Issue

This first paper, “Sustainable Business Model Innovation: An Umbrella Review”,
conducts a deep systematic literature review around sustainable business model innova-
tion. By using the Web of Science database, a total of 57 studies related to sustainable
business models are taken into consideration. NVivo was used to dig deep regarding
the different manifestations of this concept. One of the most surprising findings of this
work is that none of the systematic literature reviews were published in “mainstream”
business and management journals. Therefore, there is still room for further work that
looks at interrelationships with other areas of business and management, such as business
strategy. It is also interesting to see that information and communications technologies are frequently taken into consideration in the sustainable business model innovation literature.

The second paper, “Waste Management. The Disconnection between Normative and SMEs Reality”, looks at norms around waste management and the reality of waste management of SMEs in Chile. Drawing on 25 in-depth interviews, the authors find (1) an absence of flexible and adequate waste norms for SMEs that consider their characteristics and practical limitations, (2) difficulties with the management and availability of sustainable raw materials and (3) a need for direct support for SMEs, reflected in tools such as subsidies, financial aid and technical assistance to approach their waste management. Additionally, the authors provide important recommendations on how to solve waste generation, focused on clear and specific norms for these SMEs.

The third article, “The Role of Public Resource Desynchronization on Business Model Sustainability in the Private Healthcare Industry”, focuses on the healthcare sector. The authors offer an interesting approach to solve key questions regarding the application of sustainable business model innovation. They analyse the bed occupancy rate during the SARS-CoV-2 pandemic in Spain. Interestingly, the findings from this study reveal that the application of a myopic public health policy desynchronized the public and private healthcare sector and in turn affected business model sustainability. This “need to align” is crucial for the future of the healthcare sector. Another surprising factor is that the pandemic affected each autonomy in Spain to different degrees.

“Priorities Determining Future Directions of Sustainable Development in Business Models of the Healthcare Industry—Findings and Framework” follows on the heels of the previous article but looks at the healthcare industry from a different perspective. In particular, it analyses the relationship between private hospital communication modes and their stakeholders’ needs and expectations of business models. The findings from this research provide policy and managerial recommendations that could be crucial in this sector.

The final article in the special issue is titled “Towards Sustainable Innovative Business Models”, and sets out to respond to two main questions: (1) How do firms innovate their business models to deal with sustainability? (2) How do managers design the process towards more sustainable innovative business models? The authors proceed by analysing a particular Spanish company from the wine sector. An interesting finding from this work is that economic, ecological and social layers, by using a triple-layered canvas, should be considered simultaneously to design sustainable business models. Furthermore, the authors take into consideration several aspects related to family firms that should be explored in future works to increase our understanding of this topic.

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