Bahaaeddin Alareeni Allam Hamdan Islam Elgedawy *Editors*

The Importance of New Technologies and Entrepreneurship in Business Development: In The Context of Economic Diversity in Developing Countries

The Impact of New Technologies and Entrepreneurship on Business Development



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Foreword

The present business environment has been tumultuous due to the emerging new challenges resulting from innovative development and disruptive technology. Consumer demands for innovative products and services have urged business fraternity to be responsive and resilience in combating those new requirements.

The Fourth Industrial Revolution is characterized by the combination of physical and digital technologies, such as analytics, artificial intelligence, cognitive computing, machine learnings and the Internet of things (IoT). This would certainly impact the companys' business direction, the future industries, the customers, the employees and the society at large. The advancing technologies are bringing about social changes and economic development. As such, organizations are required to adapt to the new environment and strengthen their strategies despite the risk and uncertainty in the environment. New business integration strategies must be leveraged to ensure companies continue to sustain.

To anticipate the rapid change, education is set forth to be more innovative in offering the future ready curriculum. As such, education organizations and scholars are expected to be malleable and creative in designing new curriculum that embrace new technologies, integrating strong entrepreneurship values, fostering positive values and socio-emotional skills throughout the curriculum in order to produce quality and competent future human capitals that are ready to serve the future industries.

In is a privilege for the Faculty of Entrepreneurship and Business, Universiti Malaysia Kelantan, to co-publish this book in promoting the excellent and cutting-edge research by scholars from around the globe. I trust, this book would benefit many parties and be able to aspire everyone in developing buoyant strategies that gives positive impact and consciousness to sustain in any endeavor.

Roselina Ahmad Saufi

Preface

In today's globalized environment, the process of creation and development of business became more and more challenging and complex. Entrepreneurial actions and advanced technology are the most important features of the recent developed economies and ones of the factors contributing to business development. Countries became more connected by and through technology, gadgets, and continuous and intense technological development, the business environment and the trajectory traveled by entrepreneurs to create a more competitive business environment. Innovation has become vital everywhere and business managers should always be prepared to find out new innovative solutions and ideas, so that, can maintain the sustainability of the business in the current and future competitive business environment. New technology refers to the use of computing machines, artificial intelligence, big data, deep learning, game-based learning, information technology, management information system, accounting information system, knowledge management and devices to store, capture, manipulate and retrieve shared knowledge. Therefore, the integration between modern technology, entrepreneurship and business should be well managed so to provide a wide range of high quality and competitive products and services in societies, especially in developing countries. The objective of this book chapter is to conduct a review, examine, analysis and discussion relating to the importance and the impact of new technologies on the development and sustainability of a business in developing countries in the context of economic diversity.

This volume constitutes the refereed proceedings of the International Conference on Business and Technology (ICBT 2020) organized by EuroMid Academy of Business and Technology (EMABT), held in Istanbul, between November 14–15, 2020. The ICBT 2020 partners and supporters were: United Business Institutes—Belgium, AACSB Accreditation—USA, Universiti Malaysia Kelantan—Malaysia, National University of Life and Environmental Sciences of Ukraine—Ukraine, ARCIF Analytics, E-MAREFA—Jordan. In response to the call for papers for ICBT 2020, 245 papers were submitted for presentation and inclusion in the proceedings of the conference. After a careful blind refereeing process, 151 papers were selected for inclusion in the conference proceedings.

viii Preface

The ICBT 2020 proceedings contains one hundred and fifty-one chapters by the authors from thirty-six countries. Each of these chapters was evaluated through an editorial board, and each chapter was passed through a double-blind peer review process; hence bestowing Fourteen themes:

- I. Implementation of artificial intelligence, IoT and innovative.
- II. Sustainable finance, innovation and business uncertain situations.
- III. Marketing, E-commerce and social media.
- IV. Supply chain quality management practices and blockchain technology.
- V. Tourism, technology and hospitality and health care services.
- VI. Fourth Industrial Revolution implementation of artificial intelligence and FinTech for growing business success.
- VII. Public administration and digital economy.
- VIII. Entrepreneurship, start-up and business success and social implications.
 - IX. Corporatefinance and accounting.
 - X. Islamic economics and finance.
 - XI. Corporate social responsibility.
- XII. Business management, HR and business success.
- XIII. Education management, technology, smart universities and Covid-19 impact.

These chapters are reflecting quality research contributing theoretical and practical implications, for those who wise to apply the technology within any business sector. It is our hope that the contribution of this book will be oft the academic level which even decision-makers in the various economic and executive level will get to appreciate.

Finally, we express our sincere thanks to the plenary speakers; Prof. Olaf Weber from University of Waterloo—Canada, Prof. Khaled Hussainey from University of Portsmouth—UK, Prof. Timothy Mescon from AACSB International—USA, Prof. Roselina Ahmad Saufi from Universiti Malaysia Kelantan—Malaysia, Prof. Munira Aminova from United Business Institutes—Belgium and Prof. Suliman Hawamdeh from University of North Texas—USA.

Bahaaeddin Alareeni Allam Hamdan Islam Elgedawy

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Crowdfunding Development Trends: Foreign Experience and Ukrainian Realities in the Digital Economy

Nataliya Tanklevska¹(⋈), Tetiana Povod¹, Alina Ostapenko², and Liubov Borovik¹

Abstract. The purpose of this study is the current globalization process of crowdfunding. The main theoretical approaches to defining the essence of crowdfunding are revealed, the main types of crowdfunding services are identified, the advantages of using this type of financing from the standpoint of each participant in the process are considered. The evolution of the development of crowdfunding platforms both at the global level and at the level of modern economic development of Ukraine has been studied. The leading foreign and domestic experience of functioning of the market of crowdfunding services is analyzed. Based on statistical data, its dynamic development in economically developed countries in the context of globalization is substantiated. The main directions of its development in the conditions of digital transformation of economy of Ukraine are offered.

Keywords: Crowdfunding \cdot Crowdsourcing \cdot Fundraising \cdot Financing \cdot Traditional investment \cdot Of transferring funds

1 Introduction

The active introduction of automation processes in the modern economy on the basis of information and communication technologies and the Internet have taken communications to a new level and led to the acceleration of globalization processes. In this regard, it can be argued that digitalization is the main trend in the global economy; it is a modern mechanism of economic growth due to the ability of technology to positively affect the efficiency, effectiveness, cost and quality of economic, social, social and personal activities.

Ukraine is actively transforming its economy from analog to digital. Under the conditions of digitalization, transaction costs are reduced, the existing forms and mechanisms of financing are transformed, which allows to create new tools for business process development. One of the world's modern tools of the digital economy is crowdfunding, which helps attract financial resources from private investors to finance business.

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2 Literature Review

A large number of scientific works of foreign and domestic researchers, such as: L. Borovets [24], P. Diamandis [3], A. Didenko [7], O. Dudkin [5], L. Eliseeva [2, 18], O. Kazak [20], S. Karelians [16], S. Kotler [3], J. Howe [6], I. Manaenko [7], O. Marchenko [4], Yu. Petrushenko [5], O. Shevchenko [20], N. Suprun [21], O. Vasiliyev [9] and others.

Noting the significant results of scientific achievements, it should be noted that a number of theoretical and practical issues of crowdfunding in the digital transformation of Ukraine's economy need further study and analysis.

3 Purpose of the Study

The purpose of the article is to study the economic essence of crowdfunding, its types; analysis of world experience in the use of crowdfunding and identification of specific features of its operation in Ukraine; proposing ways to effectively develop crowdfunding in the digital transformation of Ukraine's economy.

4 Methodologie

The study used comparative analysis, scientific knowledge and methods, based on logical reasoning, integrated approach methodology, which involves a comprehensive study of crowdfunding; methods of financial analysis, as well as in the formation of hypotheses, conclusions and development of recommendations - methods of optimal management.

5 Findings and Discussion

In the modern world, the economic development of society and its individual subjects depends on many aspects and the search and attraction of financial resources for the development of innovation sphere of cognition is important. As a result of globalization and the development of information technologies, social networks and new forms of financing based on public participation have been created. Therefore, at the present stage of social development one of the global trends is the public readiness to help people, whose projects, ideas or innovations inspire. In order to do this variety of social interaction tools are used. One of them is the crowdfunding, whose exponential development has been observed in the world over the last few years. If in 2010 the crowdfunding platforms mobilized \$ 880 million, in 2012 - \$ 2,7 billion, in 2013 - \$ 6,1 billion, in 2014 -\$ 16,2 billion, then in 2015 - more than \$ 34,4 billion [1].

Abroad, the crisis of crowdfunding development was in 2008–2009, in Ukraine events of 2014–2016. Public funding of Maidan and an antiterrorist operation testifies to a spontaneous attempt to build a national social model that enables the involvement of the necessary resources through horizontal ties. In this regard, the study of the features of the development of crowdfunding in Ukraine as part of the global trend is relevant enough [2].

Crowdfunding is collaboration, cooperation of people who volunteer to provide financial support for a startup, innovation project, idea or organization. Such assistance is not always one-way and altruistic [3]. Often, individuals who make money donations, in fact, act as investors, receiving a certain benefit for this.

Crowdfunding is not a new phenomenon in the world economy [4, 5]. It is believed that the term "crowdfunding" appeared simultaneously with the term "crowdsourcing" in 2006, and its author is Jeff Howe [6], but this phenomenon had appeared much earlier. Crowdfunding has become a mass character with the advent and development of the Internet. The first example of Internet crowdfunding was the collection of funds for the organization of a tour of the rock band Marillion. In 1997, without any involvement of the band itself, its admirers organized and conducted an online fundraising campaign to finance the group's musical tour throughout the United States. They managed to raise \$ 60 thousand. Later, the groups used this method to record and promote several of its albums. It was from that time that crowdfunding became widespread in other areas of society and business [7].

Some researchers believe that its formation began in 1949, when the comedian actor M. Berle conducted the first telethon in support of D. Ranion's Cancer Research Foundation for collecting social donations [8]. Then more than \$ 100 thousand were collected during 16 h. However, the global phenomenon of crowdfunding began only after the 2008–2009 crises.

Crowdfunding is an attraction of funds for the implementation of the project from many physical persons. Translated from English, this concept means "popular funding". Projects can have a social, commercial, political nature, etc. Subjects of crowdfunding are donors and recipients. Donors (backers) can make donations for the implementation of the project or receiving non-financial (gift, pre-order product) or financial (shares, royalties, refunds and percentages) remuneration. The project can be launched free of charge, but its success requires maximum involvement of people. To do this, you need not only to register and choose a funding scheme, but also to carry out a largescale marketing campaign, to rely on the trust and support of many users of the platform through social networks and media, etc. [2].

There are 7 basic principles to be followed by all crowdfunding projects [7]:

- 1. The principle of the success of the crowdfunding project is the interest of a large number of people involved in one issue.
- 2. Emotional engagement of participants. This means that the idea should affect the feelings of those who will invest it.
- 3. Providing investors with the so-called award. For example, if a person collects money for a comic book publishing house she or he will give everyone who helped raise money a copy of this book.
- 4. There must be a clear and specific goal of the whole event. All participants of the action must understand whether there is a practical sense in collecting money. Therefore, in final projects, the final amount is indicated. If this amount is not announced, then investors simply cannot appreciate either the realization of the idea, or the seriousness of the author's intentions.
- 5. Trust. One of the most reliable and easy ways to increase trust is to ensure the verification of all accounts and purses to raise money. Almost all payment systems

make it possible to confirm that the owner of the wallet is real and he is not a crook. And if a collection is involved with a commercial organization - it simply has to give all its details, which can easily be checked by any person.

- 6. Full transparency of fundraising. It's important for investors to see their money sent to the recipient's account. And it's equally important to see which money has been spent. If a large share of the budget was provided by the sponsor users should also know about it. This opportunity will not only increase the credibility of the project, but will also inspire investors.
- 7. The last principle is the usability. If there is a convenient button for money transfer it will be pressed, if not nobody will go to the bank and will not stand in line to send UAH 100.

The brief mechanism of the crowdfunding can be described in the following way. A company or an individual comes to a crowdfunding company with a certain idea. Crowdfunding Company conducts an examination of the idea of legality, relevance, and reliability, estimates all possible risks. Upon approval of the idea on the basis of the crowdfunding platform, a project is created and the amount to be collected for its implementation and the timing of the collection is announced. Also the reward that future depositors can receive is announced. The author of the project, together with the crowdfunding company, begins to promote the project through social networks, mass media, promotional events and promotions, and the resources of the crowdfunding company. Investors begin to invest in the project. At the same time, the minimum contribution may be, for example, \$ 5, which makes investing available to many segments of the population. Money is accumulated on the transit account of the crowdfunding company [9].

In addition, the author of the project talks with the crowdfunding company on what conditions he or she receives funds. There are six variants:

- 1. "All or nothing". Funds are transferred to the account of the author of the project only when the amount declared in the project is reached. If the required amount is not dialed, then the money is fully returned to the depositors.
- 2. "Leave everything". Collected funds are transferred to the project author in any case.
- 3. "Subscription". Funds are transferred from the depositor immediately to the account of the project author. This model is most used in charity projects.
- 4. "Free price". Depositors personally decide how much they need to fund an idea. The author receives the collected funds.
- 5. "Permanent financing". Permanent model, in which financing goes into the stage of actual financing of activities, preliminary orders and customer involvement.
- 6. "Crucial moment". Funds are transferred to the project author in case of reaching an amount less than the declared cost of the project, if the author is sure that these funds should be enough to implement the idea [9].

Consequently, the money collected under certain conditions is transferred to the author of the project or returned to the depositors in full amount. Almost every crowdfunding platform has a collection agency attached to it, which, in case of certain problems, deals with the return of funds to depositors.

In the case of transferring funds to the author of the idea, he must reward depositors. There are four main models of remuneration of depositors: no reward, no financial rewards, and financial rewards. Models without reward and non-financial rewards are inherent in almost all non-profit and charitable projects.

Non-financial remuneration is most often expressed in the form of a souvenir, a letter of thanks to the depositor, thanks in the social network, another symbolic gift.

Financial rewards are typical for commercial projects. There are three main options for reward [9]:

- the depositor becomes a shareholder of the company that put forward the project for financing;
- the investor receives part of the company's profit for the project's author;
- the depositor acts as a lender. For a certain period, the company that received the money for the project must return the depositor its money and pay interest on using its funds.

The management of the execution of the duties of the company that collected the funds, and the protection of the interests of depositors, and the legal registration of their relationships, is carried out by the crowdfunding company. Upon completion of a project from a person or a company that funded the collection, the crowdfunding company pays a fee for its services. This fee, according to the general rule, is a percentage of the amount received. In the world this percentage ranges from 3% to 10%.

Crowdfunding is a rather successful and easy financing tool for innovative business. It allows an entrepreneur to receive funding without the help of banks, stock exchanges or venture funds [10]. In addition to a viable project, companies need only to have an account at the bank. This significantly facilitates the financing process. In addition, a fundraising company can attract a huge amount of people on terms that will be much more profitable than those that can offer banks or funds. It is also important that the company, in terms of the number of contributors, can very objectively analyze the interest of people as a result of the idea to which the money is collected. If people vote for something at their own expense, then they consider it interesting or necessary.

Also, placement on the crowdfunding platform is an additional advertisement of its enterprise or product that allows the entrepreneur to once again declare the market about himself, making the product more recognizable.

The mechanism of crowdfunding is more open and accessible for understanding and used by ordinary citizens than other possible ways of raising funds. The ability to invest scant amounts and the ease of investment process significantly increases the number of potential investors [10].

Crowdfunding may also be involved in the financing of the company through the sale of small shares to a wide range of investors. This type of crowdfunding has recently received special attention from American officials.

In April 2012, US Vice President Barack Obama signed a new law called JOBS Act (Jump Start Our Business Startups Act), which allows start-up companies to collect up to \$1 million with the help of crowdfunding, without submitting papers and registering shares, as was practiced before [7]. Each year, this innovative business development tool is gaining momentum. Thus, in 2015, the total amount of global fundraisers' money

was \$ 34 billion. Western European and North American countries became leaders in attracting funds [11].

According to the Global Crowdfunding Market report in 2016–2020, the crowdfunding market is expected to grow with an average annual growth rate of 26,87% in the period 2016–2020 [12]. According to the latest market research report published by Technavio, the growth rate in the global crowdfunding market is expected to be almost 17% by 2021 [13].

Kickstarter, which was founded in 2009, is one of the most famous world crowd-funding platforms [14]. It is aimed at implementing innovative projects in the first place. The greatest demand is for ideas related to technical inventions, software, music or video. The owner of the project is obliged to specify the term and the minimum amount of funds that must be collected using the crowdfunding website. He or she must place a description of the startup on one of the platform categories: art, craft (needlework), dance, design, fashion, cinema and video, food, journalism, games, music, photography, publishing, technology, theater [15]. If the minimum amount required for the specified period is not collected, money is returned to the donors.

It is noteworthy that March 3, 2014 is the day that made the crowdfunding model truly popular. Kickstarter's American platform today has attracted of \$ 1 billion funding in total. Also it is striking that the company that funded the movie "Veronica Mars" set a record for collecting money in time: they collected \$ 2 million during 12 h on Kickstarter platform. In general, there are currently around 6 million active users of the crowdfunding platforms in the world [14].

There are a number of cases where promising projects collect far more money than developers have asked. So, for example, the clock is based on "electronic paper" "Pebble". Developers requested \$ 100 thousand for realization of the project, and received \$ 10 million.

The first officially registered web service for crowdfunding was the Artist Share site. It was created in the early 2000s with the goal of helping musicians record their albums [14]. Following it, there were sites for the film industry (in 2002, the site Film Venture.com was founded) [7, 10, 15].

Kickstarter gets 5% of all funds raised. This platform is often criticized for accusing it of excessive commercialization and the specificity of project selection. At the same time, individual users consider this crowdfunding platform not as a social project but as a pre-sale product store. The most famous Kickstarter projects include Pebble smart phones, OUYA console, 3D printer FORM 1, Oculus Rift sunglasses, and etc. They succeeded in mobilizing \$ 10,3 million, \$ 8,6 million, \$ 2,9 million, \$ 2,4 million in accordance. However, Ukrainians at Kickstarter are few, because the main obstacles to this are the language barrier and the problem of withdrawals [14].

The largest Ukrainian start-ups that were funded with Kickstarter were LaMetric (collected \$ 369 thousand), Petcube (\$ 251 thousand), iBlazr (\$ 156 thousand). LaMetric is a universal clock developed by the Lviv team, which shows the temperature, weather, news from exchanges, etc. iBlazr is an LED flash for smart phones and tablets that is freely synchronized with iPhone, iPad and Android. Not less successful among Ukrainian projects was the startup Petcube, which is designed for remote communication with domestic animals. Its founders were A. Neskin, A. Klen and J. Ajnjuk. At Kickstarter,

the Petcube project appeared in 2013, according to Y. Ajnjuk, the preparation of the innovation project took almost 14 months [14]. In the short term, the project managed to accumulate \$ 3.8 million investment. Currently, the company has offices in Kiev, San Francisco, Shenzhen, and their products are sold by the largest trading networks BestBuy, Amazon, Petco. As of the beginning of February, 2011, Petcube introduced two successful projects at Kickstarter. In one case, the founders collected \$ 251,225. (it was planned to \$ 100 thousand) from 1 758 investors, in the second \$ 319 193 (target was \$ 200 thousand) from 2,229 investors. In March 2015 Petcube received 1 million \$ 100 thousand. Investments are from Almaz Capital and AVentures Capital. The importance of such an innovative project is evidenced by the fact that its developers have been included in the list of 100 people who are the change makers in Europe [10, 15].

Currently, at least three innovative projects have been announced by Ukrainians who have received recognition at Kickstarter: Jollylook, Senstone, RollSpin [2, 17]. In two of them Jollylook, Senstone the term for completing the campaign on Kickstarter falls on March 3 and March 18, 2017. Jollylook is a camera for instant snapshots of recycled paper and cardboard. The project team from Zaporizhya set the goal to raise \$ 15 thousand, while only one day received \$ 90 thousand. Since February 23, 2017 it managed to mobilize \$ 331866 from 5445 investors. Senstone is a technological example that looks like a black pendant, which makes it possible to convert voice signals into the text. Lviv project has already collected \$ 154722 from 1481 investors, although initially it was planned to receive only \$ 50 thousand. RollSpin is Odessa startup that offers anti-stress jig. This project collected about \$ 17 thousand from 320 donors.

Note that all of the listed projects belong to the Product Design category, which are particularly in demand on Kickstarter. At the same time, a number of specific requirements of this crowdfunding platform can create obstacles for the implementation of Ukrainian startups:

- availability of an Amazon Payments account;
- representation in the team of a representative from the United States or one of the countries where Kickstarter is officially launched [14].

Another crowdfunding platform, with which Ukrainians co-operate, is Indiegogo [18]. This platform has no limitations on the type of project and the geographical location of the company. The most successful areas on this platform are projects that improve the quality of life and the surrounding environment. The advantage of this crowdfunding platform is flexible financing, when the recipient receives the collected amount, even if the planned minimum amount has not been received. In addition, Indiegogo recently appeared the option of "endless crowdfunding", when the deadline for completing the campaign is not specified. The most successful Indiegogo projects were the Ubuntu Edge smartphone (more than \$ 13 million), Flow Hive (\$ 11,32 million), Smart Skully helmet (\$ 2,8 million), Jibo family robot (\$ 2,3 million) If you need to have a local resident status for Kickstarter authorization and the possibility of accumulating funds, then for Indiegogo you need only an account at the bank. In addition, there are many highly specialized crowdfunding platforms. The implementation of musical, literary projects is facilitated by PledgeMusic, Unbound and Distrify, while creating a startup by Fundable, Crowdcube and Seedrs. However, in each of these projects, it is worth explaining why

this project deserves investment, how it will be useful to society, how the world will change, and which investments will be returned to donors [2].

In this way, Ukrainians have the opportunity to present their own startups on foreign sites and contribute to financing other people's projects. Thus, only during 2014, more than 1 thousand people from Ukraine financed \$ 259 thousand. Thus, we can argue that the problem of trust and motivation are key factor in the development of the crowdfunding platforms in Ukraine.

As for the Ukrainian crowdfunding market, it is in its infancy, so the peculiarities of its development have some differences from the world. For Ukraine, crowdfunding is a new phenomenon, underdeveloped both in terms of the number of platforms and the scale of implemented projects. Its resources are sufficient only to meet the small needs of small businesses and people. It is almost impossible to raise funds for the implementation of an ambitious high-tech project, a startup with a product that will be focused on the Western or Asian market on Ukrainian platforms.

Such projects have to use the services of European and American crowdfunding companies. In particular, in 2018, Ukrainian startups, funded and "promoted" through the crowdfunding platform Kickstarter, were Feel VR (game steering wheel and pedals using Direct Drive technology, \$ 500 thousand), Ugears (3D wooden puzzles, \$ 460 thousand), Verum 1 (headphones of Kharkiv engineer Roman Landyk, \$ 185,000), Pix (created a backpack, the front of which can be changed to your liking - to display pictures and animations that look in the style of pixel graphics, \$ 150 thousand), Stealtho (wheels for office chairs Caster Wheels, \$ 138 thousand), SignumGame (board game Legends of Signum: Battle for Vallor, \$ 109 thousand) [19].

Research shows that the most popular crowdfunding platforms in Ukraine are the Ukrainian Charity Exchange, Spilnokosht, Na-Starte, KUB and GoF, whose activities are mainly focused on humanitarian, social, environmental, cultural and educational projects [20].

In general, on the territory of Ukraine, crowdfunding is a rather new phenomenon. Recently, however, there have been several domestic crowdfunding sites. Their appearance became possible due to the revival of the traditions of patriotism, the gradual rejection of post-Soviet habits of paternalism, excessive consumer behavior and passive civic stance, etc. [21]. One of the most successful sites of crowdfunding in Ukraine is biggggidea.com [2]. It was created in 2009 to exchange ideas between socially active people, and therefore received the name Big Idea. In 2012, Big Idea launched the crowdfunding platform "Spilnokosht", which became the first platform for collective financing in Ukraine. According to the founders of the platform, it is aimed at implementing projects that are able to provide systemic changes in society and contribute to the economic growth of the national economy. In this way, through such platforms, people are able to finance social change. The platform hosts projects in health, education, literature, sports, music, science, professional travel and journalism. People mostly finance festivals, public television, radio, documentary and medical projects, urban innovations. The greatest success here is the projects of social entrepreneurship, which form the social capital of the society and allow the developers to get income. It is clear that here the volume of funds can be accumulated much less in comparison with foreign platforms; however, it is possible to estimate the demand for an innovative product. Thanks to the "Spilnokosht" funding, Hromadske.tv and Public Radio got started [2, 15, 22].

Ukrainian crowdfunding has a predominantly socio-cultural orientation. People often finance projects that change the cultural environment. According to the experts of workshop "Spilnokosht", since the creation of "Spilnokosht" it has been collected UAH 30 thousand [2]. As of the beginning of June 2020, Ukrainians have invested over UAH 28 million in the projects of this crowdfunding platform, more than 45,000 people have joined the cause, and 355 projects have been financed [23–25].

Crowdfunding to finance educational projects solves several tasks: financial - obtaining financial resources for project implementation; marketing - contact audience gives feedback, public relations, project advertising.

In addition, educational crowdfunding is a "cheaper" type of funding, a simpler and clearer way to raise resources. Today, a popular practice of some startup schools is to help prepare a project for placement on a crowdfunding platform.

The first school to announce its own crowdfunding platform is Tech StartUp School, a startup school founded by Lviv Polytechnic [25].

Co-financing of science through crowdfunding platforms is one of the newest uses of crowdfunding.

This need arises because grants received by science educational institutions are 40–60% "eaten up" by the administration. To solve this problem, today there is an Experiment platform. The platform has 44,8% of funded projects and about \$7 million invested in science. Experiment is a platform where researchers can publish proposals for their experiments, describe the research method and accompany their founders with news from the laboratory [24–36].

The analysis of the functioning of the global and Ukrainian crowdfunding market makes it possible to separate the following specific features:

- the amount of funds raised in Ukraine through crowdfunding platforms is quite small compared to the world;
- there is almost no funding for technological innovation projects, mostly projects related to education, culture, health care, etc. Mostly Ukrainian technology startups are funded on foreign crowdfunding platforms;
- lack of effective state regulation (imperfection of the legislative and tax field governing the relations of project developers, private investors and the activities of crowdfunding platforms);
- insufficient level of income of the population and, as a consequence, limited effective demand for project financing;
- information and financial illiteracy of the community about the benefits of crowdfunding as a source of funding;
- low level of trust in crowdfunding as a kind of attracting financial resources;
- lack of a culture of collective private investment, which limits the development of crowdfunding as a mass direction of investment in general.

Thus, the above features of crowdfunding in Ukraine in comparison with world practice are explained by the low level of competition among its types, which in turn

hinders the development of the digital economy in the country and the intensification of structural economic renewal.

The analysis of trends in the functioning of crowdfunding in economically developed countries and specific national characteristics allows us to offer the following scientific and practical recommendations for the effective functioning and further development in Ukraine:

- Formation of the legal framework and the relevant legal field in the field of crowdfunding, which will expand the opportunities not only for small and medium enterprises, but also for households to attract resources.
- 2. Development of a "logistics map" of crowdfunding, which will provide for the implementation of a set of measures, which can be used to create a system that regulates the market.
- Stimulating the entry into the market of various types and social characteristics of
 private investors through the transparency of fundraising and the convenience of the
 transfer; development of communications between all members of crowdfunding
 relations.
- 4. Obligatory implementation of risk minimization mechanisms for non-professional investors by diversifying investments.
- 5. Development of crowdfunding infrastructure based on the formation of different types of platforms; special consulting agencies, whose task is to support business projects, advising the founders, informing about collective financing on the Internet, full management of projects.
- 6. Formation of a culture of collective financing on the basis of full information support.

6 Conclusion

Thus, we can conclude that such a concept as crowdfunding is very relevant and has great prospects in the world, including in Ukraine. Crowdfunding has the potential to become an alternative form of financing business projects at an early stage. The key advantages of crowdfunding are the support of innovative solutions and startups, and the creation of a transparent and effective mechanism for public financing of projects. The modern market of traditional investment has a certain financial threshold, the crowdfunding removes this restriction for a potential investor and allows authors of ideas to bypass the conservatism of the investment market and realize the most daring projects.

Crowdfunding in the near future may take a leading position in the financial resources market. Today, more and more startups connected with information technologies, attract funding for their development through precast folding. At this stage, it is necessary to involve active research on the marketing of crowdfunding, as well as on the application of this way of raising funds in projects relating to socio-economic development of society.

Improving the efficiency of the crowdfunding market in Ukraine will provide a solid foundation for long-term growth of Ukraine's economy and ensure the digitalization of business and society as a whole.

References

- Massolution in their 2015 Crowdfunding Industry Report (2016). http://crowdexpert.com/crowdfunding-industry-statistics/
- 2. Eliseeva, L.: Crowdfunding in Ukraine: problems and prospects in the context of foreign experience. In: Scientific Bulletin of the International Humanities University. Series: Economics and Management. vol. 23, no. 1, pp. 8–11 (2017)
- Diamandis, P., Kotler, S.: Winner: How to Achieve Tremendous Success and Influence the World, vol. 253. K. Fund, Kyiv (2016)
- Marchenko, O.: Crowdfunding: socio-economic content and types. Bull. Yaroslav Mudryi Natl. Law Univ. 4(15), 26–35 (2013)
- 5. Petrushenko, Y., Dudkin, O.: Crowdfunding as an innovative tool for financing projects for socio-economic development. Marketynh i menedzhment innovatsij 1, 41–45 (2014)
- Howe, J.: Crowdsourcing Collective Intelligence as a Business Development Tool, p. 288.
 Al'pina Pablisher, Moscow (2012)
- Manaenko, I., Didenko, A.: Crowdfunding as an innovative tool for business development (2017). https://www.google.com.ua/search?ei=H8wWWpyZMsnA6QTx-7DICA&q=MaHaCHKO
- Crowdfunding's Potential for the Developing World, p. 103. World Bank, Washington, USA (2013)
- Vasiliyev, O., Matjushhenko, S.: Crowdfunding is a modern instrument for financing the development of intellectual capital. Investments: practice and experience. Edition 18. 36W0. (2016)
- 10. Foresight management: formation and transformation adaptive business organizations: International collective monograph vol. 1, p. 270. Georgia, Tbilisi (2017)
- Crowdfunding info and news site (2017). www.crowdexpert.com/crowdfunding-industry-sta tistics/
- Global Crowdfunding Market 2016–2020 (2018). https://crowdfundbeat.com/mobile/2016/ 02/03/report-elobal-crowdfunding-market-2016-2020/
- Global Crowdfunding Market 2017–2021 (2019). https://finance.vahoo.com/news/global-crowdfunding-market-2017-2021-182400851
- 14. Project assistance site on Kickstarter.com in Ukraine. www.kickstart.com.ua
- 15. Povod, T., Ostapenko, A.: Crowdfunding as a promising source of business financing. Eastern Eur. Econ. Bus. Manage. **5**(16), 235–240 (2018)
- 16. Karelians, S.: Crowdfunding prospects: in the USA the law, in Russia– fraud. Slon.ru. 3, 101–107 (2013)
- 17. Kickstarter. https://www.kickstarter.com/press?ref=hello
- 18. Eliseeva, L.: Exponential development of crowdfunding as a tool tointensify innovation. Econ. Soc. 8 (2017). http://economyandsociety.in.ua/
- In 2018, Ukrainians raised over \$ 2 million in crowdfunding. Here arethe 15 most successful projects (2018). https://ain.ua/2018/12/18/kraudfanding-ukrainy-2018/
- Shevchenko, O., Kazak, O.: Crowdfunding development in the conditions of digital transformation of Ukraine's economy (2019). http://www.economy.nayka.com.ua/?op=1&z=6957
- Suprun, N.: Social entrepreneurship as a mechanism for building asolidarity economy. In: Proceedings of the International Symposium "Social and Economic Solidarity - Ukrainian Choice", pp. 36–38 (2016)
- Tanklevska, N., Kyrylov, Yu., Zaitseva, O.: Management of conscious adaptive organizations in the conditions of social and economic transformations and financial turbulence. Sci. Bull. Polissya. ChNTU Ukraine 4 (12), 36–39 (2017)

- 23. Spilnokosht. https://biggggidea.com/projects/
- 24. Trusova, N., Tanklevska, N., Prystemskiy, O., Hryvkivska, O., Advokatova, N.: Determinants of the development venture financing of the subjects of agrarian market of Ukraine. Asia Life Sciences. Asian Int. J. Life Sci. **21**(1), 377–391 (2019)
- 25. Nikitenko, U., Gernego, Y.: Crowdfunding as a tool for attracting financial resources in Ukraine. Problems of development of small open economies: materials of speeches of the All-Ukrainian forum on problems of the international economic relations (in an online format), pp. 207–210. Zhytomyr, Ukraine (2018)
- Petrenko, V., Karnaushenko, A.: Jont enterprises in foreign trade activity of Ukraine. Baltic J. Econ. Stud. 3(5), 203–207 (2017)
- 27. Tanklevska, N., Petrenko, V., Karnaushenko, A., Melnykova, K.: Worldcorn market: analysis, trends and prospects of its deep processing. Agric. Res. Econ. Int. Sci. E-J. **6**(3), 96–111 (2020). https://are-journal.com/index.php/are/article/view/339. Accessed 21 June 2020
- 28. Ihnatenko, M., Marmul, L., Petrenko, V., Karnaushenko, A., Levaieva L.: Innovative tools in the methodology and teaching of the basic principles of enterprise management. Int. J. Manage. 11(6), 847–854 (2020). https://doi.org/10.34218/ijm.11.6.2020.073
- Trusova N., Cherniavska T., Kyrylov Y., Hranovska V., Skrypnyk S., Borovik L.: Investment attractiveness of the economy of the World countries in the polystructural space of foreign direct investments. J. Adv. Res. Law Econ. 11(2), 645–660 (2020). https://journals.aserspublishing.eu/jarle/article/view/5132. Accessed 21 June 2020
- Borovets, L.: 5 ways to use crowdfunding for education (2018). https://ain.ua/2018/04/30/kra udfanding-dlya-osviti/
- 31. Nassar, R.M.M., Battour, M.: The impact of marketing ethics on customer loyalty: a conceptual framework. Int. J. Bus. Ethics Gov. 3(2), 1–12 (2020)
- 32. Ali Saad, A.Z., Mohd. Noor, A.B., Sharofiddin, A.: Effect of applying total quality management in improving the performance of Al-Waqf of Albr societies in Saudi Arabia: a theoretical framework for "Deming's Model". Int. J. Bus. Ethics Gov. **3**(2), 13–33 (2020)
- Alremaidhi, Y., Hasan Saleh, A.O., Abdullah Othman, A.H.: Assessing the Relationship between the Economic Feasibility Study and the Guarantees Provided by Small and Medium Enterprises with the Financing Decisions in Kuwait. Int. J. Bus. Ethics Gov. 3(2), 34–54 (2020)
- 34. Al Azemi, M.M., Al Omari, A.M., Al Omrani, T.: The role of islamic legitimacy basis to combat the financial corruption in Kuwait. Int. J. Bus. Ethics Gov. 3(2), 55–71 (2020)
- 35. Mokadem, W., Muwafak, B.M.: The difference of the theoretical approach of corporate social responsibility between the European Union and United States of America. Int. J. Bus. Ethics Gov. **3**(1), 1–14 (2020)
- Alsuwaigh, M.A., Mohd Noor, A.B., Abdullah Othman, A.H.: The Importance of the Accounting Disclosure as a Mediator Factor between the Shareholders of the Cash Waqf in the Kingdom of Saudi Arabia: The Theory of Planned Behavior. Int. J. Bus. Ethics Gov. 3(1), 15–24 (2020)
- 37. Mohammed Nasar, A.J., Hasan Saleh, A.O., Alhajri, F.M.F.S., Taoufiq, E.A.: Methods of financing waqf development in Singapore. Int. J. Bus. Ethics Gov. 3(1), 25–42 (2020)