

THE DILEMMAS OF THE CONTEMPORARY WORLD

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ABSTRACT

The research focused on the dilemmas of the power of market society. In here, the research aimed to find the context of trends in the contemporary world and explore the main elements of society. The main elements of society were economic, political and violent forces. The main methodological principles of the research are the diagnostic – therapeutic approach to the world and the development, and the techniques of mathematical logic modeling through the description and scenarios.

Keywords: market society dilemmas, economic power, contemporary world

INTRODUCTION

The researcher attempts to outline the context and trends derived from a holistic and eclectic - historical - evolutionary perspective on some current events from the viewpoint of entrepreneurship as a scientific field.

The content of the article is based on the summary of the research activities such as practical and pedagogical experience along with mathematical – logical modeling and the simulation of events as been done by the researcher. It has been a characteristic of the world nowadays that the life events are rapidly changing and the theory of social sciences like economic cannot be globally explained. Also, a satisfactory recommendation of a long-term validity which would be acceptable to all of the main cultural groups and decisive power structures on this planet does not exist.

METHODS

In the last 10 to 20 years, people have been exposed to new phenomena and paradigm. It is necessary to examine the spontaneous order and synergies of the world and the potentials. The new

concept of discerning social and economic life requires a change from “self” to “the world”, and in reverse fashion from “the world” to “self”. Moreover, it is essential to examine the outer phenomena which are impossible to be managed and controlled, and which manifest as threats and opportunities for future development. Later, the inner phenomena (weaknesses and strengths) can be analyzed. In short, it can be said that the thought process of SWOT should be replaced by TOWS (Mikolas & Peterková, 2011).

It follows the crucial view of the world by applying the holistic approach. From this, it is followed by isolated and specialized research (economic, sociological, psychological, philological) without applying eclectic synthesis (synchresis). It does not bring the synergizing effects of understanding the reality and new potentials of the further development. Synchresis can be understood as the synthesis of non – homogenize phenomena and the definition of the new quality of the phenomenon. For example, the synthesis of an apple and a pear can be defined by a new expression “fruit”.

The researcher has applied the described approaches, conceptions, methods and techniques in the research. The methods and techniques of mathematical – logic modeling (the application of Boolean and logic, mathematical conception

of thinking), thought description (mind maps) and scenarios have been proved to be very useful. Mathematical logic modeling has been known for some years like practical applications of such models in mining are presented by Fajkos (1978), but it is currently not regarded as an issue of high priority. The main methodological principle of this research is the diagnostic – therapeutic approach to the world and its development. The diagnostic – therapeutic approach is based on system theory and evolutionary thinking (Kasik, 1998; Mikolas & Peterková, 2011; Ingram et al., 1999). The researcher does not list an overview of the methodology, and techniques implemented in this research due to the high number of references (Mikolas, Zamarsky, Fialova, & Nikolskaja, 2016)

RESULTS AND DISCUSSIONS

The complex evolution of nature and society brings a new phenomenon and the dilemmas of old paradigms such as the relationship between democracy and totalitarianism, productivity and redundancy of people, economically and socially valueless people, economic growth and the impacts on the environment, reality and virtual reality, hybrid wars and the sovereignty of countries. It can be concluded that a natural and cyclically repeating process of evolution in which the key moments are the attitude towards nature and relationship in a society of a certain developmental stage. The quantitative growth alternates with the qualitative changes in the form of evolution or dramatic revolution. Entrepreneurship and lust for power (resp. fight for power) have played the main role in the history of humankind including the present. It means that the solution of dilemmas regarding the manner of creating and distributing wealth in society, the process of selection within a society (nations, ethnic groups, men, and women, believers, social classes, individuals, and communities) into those who rule and those who obey. A model $V_n\pi$ is presented based on the findings (Mikolas & Peterková, 2011; Mikolas et al., 2016) and the significant inspiration of the listed sources is shown especially by Schuz et al., (2015) and Tomes et al., (2007).

It is assumed that the contemporary world can be described using the following general model ($n + 1$) of dimensional space-time. A general mathematical model can be defined as a dimensional space $V_n = \pi.a.b. \dots n$, for the individual $x = a, b, \dots, n$, and it is valid that the individual x belongs to interval 0 to $(-\infty) < x < ((+\infty))$ and $n+1$ is the dimension of time. The stated entry needs to be understood in the sense of Boolean algebra and mathematical propositional logic. Then, if x is 0 , the system (the modeled world) as an order (whole) grasps into chaos (entropy). It is the point of birth of the reality of the world of its potential state in which the order of the world is concentrated in its genetic code (evolutionary “memory”), the content and substance without the form and arranged speech.

Furthermore, if x is 1 , the modeled dimension

stagnates in the static respectively in the idle state of existence, the system in this dimension gets into a state of order (maximum orderliness of stabilization) and evolutionary memory (genetic code) of the potential world applies.

For $0 < x < 1$, the system takes shape and creates the real structure of the system. For $1 < x$, the dimension develops towards infinity and expands towards another type of chaos. In this revolutionary context, it needs to understand that zero is not as the emptiness (nothing, vacuum), but rather as the new beginning meaning the concentrated potential of the future world. Similarly, Infinity is understood as an end of old with the potential of new like. Infinity of zeros. Only algebra understands zero statically or non – evolutionary that is why. one plus zero is one: $1 + 0 = 1$.

Very paradoxical situation arises when $x < 0$. This is a latent or directly unobvious process of the potential development of the world. It is a “mirror” or unrealistic process to $0 < x$. The understanding the dynamics of change in the world a fundamental understanding of the development potential is in the interval $-1 < x < 0$, which is the interval transforming the potential into reality. It follows the model that the world can have different forms from a line to a multi – dimensional ellipsoid. Based on the obtained results from applied research (Kasik & Michalko, 1998; Mikolas et al., 2011; Mikolas, Zamarsky, Fialova, & Nikolskaja, 2016; Tomes, Festa, & Novotny, 2007; Schuz et al., 2015), the researcher arrives in a model with five spatial dimensions of the fundamental elements of the evolution of the current world, and time as the sixth dimension.

Then the specific model $V_5\pi$ is defined by a mathematical relationship of $V_5 \pi = \pi.a.b.c.d.e$, where a is a line segment between the center of gravity of the structure T (symmetrical structures have center S) and point A is the economic power, b is a line segment from T to B or political power, c is a line segment from T to C or violent power. Similarly, d is a line segment from T to D or nature, and e is a line segment from T to E or identity.

The model $V_5 \pi$, describing the world as it is evolving in time, and has five spatial dimensions which can be arranged into six triangles illustrating the interactions of the fundamental elements of the researched structure (marked by points $A.....E$) with a non – stable centre of gravity of the structure (T) as well as its parts (triangles of interconnected elements), which causes a rotation of the space of the researched structure like dimensions and elements of the researched world as displayed in its model. The main elements of society are economic, political and violent forces - the violent power is represented by the military, police and other armed forces – either legal or illegal. The relationships among the main elements can be represented by a triangle (main triangle).

If relationships among the main social elements are harmonized, they can be represented by an

equilateral triangle. When the three-dimensional expression of the modeled formation acquires a spherical shape where its center of the gravity T is coincident with the center S, and the model can be written by the mathematical relationship $V_{abc,r} = \pi \cdot abc$, where it is $a = b = c = r$, or $V_{abc,r} = \pi \cdot r^3$. The development and rotation modeled unit in time can be described by the three sine function with a certain angle between them or similarly described as three-phase electric current.

Main elements and their relationships within a society evolve in time. Evolution is not always symmetrical and therefore the focal point among elements historically shifts and oscillates around a notional ('ideal') center. Such dynamics within social relationships is reflected in other dimensions of the world, and understandably the other world has an impact on the society.

The fundamental element of society, which anchors main elements and social relationships to the other world, is nature in the widest sense of the word like earth and universe. A superstructural element (a set top element) of a society is its identity in the form of philosophy, language, culture and others. Then the main triangle yields three basic and three superstructural triangles. By combining individual triangles, it gets a shape with five points, which are nature, economic, political and violent power and identity as illustrated by the model $V_5\pi$. In its ideal shape, the center of gravity of the structure (the model $V_5\pi$) is identical with its ideal center.

The above mentioned position of the structure of the modeled world can change due to a disharmonious development of individual relationships among the elements of the modeled world. The formation loses an ideal shape of the multiple orbs and takes the shape of one another, "the merging" ellipsoids, where in modeling development or history of this unit in time is to get a combination of many waves with different frequencies and amplitudes. Then the center of gravity of the structure (the modeled world) and the structure itself turn to one or the other side. This implies that other elements which are not those found in a harmonious state reach the surface, below and above the surface.

Based on the model (rotation of the modeled structure), it can describe different variants of the development of the world and its turbulence. First, the researcher focuses on the disharmonious effects of nature on social development. Nature affects social relationships and elements in three fundamental variants (fundamental triangles). The element nature (point D) is linked to economic and political powers, and geopolitical, economic power which are formed by peaceful means on principles of liberal politics of market society where prospector phenomena wedges itself in economic and political powers and often leads to the plundering of nature, and its pollution. It usually has a negative impact on future generations. At the same time, the differentiation and selection of society are experienced under the influence of its

relationship with nature. In extreme case, it is poor and rich segments (nations, states, classes, regions and localities). This state of imbalance leads to the process of emigration/immigration among continents, states, regions, rural and urban areas.

The practical results and manifestations of geopolitical power frequently bring more negativity than positivity in the form of powerlessness over the state of some segments and spheres of nature. The geopolitical power described above can change into a form of violent power, and into the geological power of natural - economical violence or geopolitical power of societal violence.

A presentation of the model geopolitical social – economic identification and other combinations of blocks 2 and 3 are detailed in the publication by Mikolas *et al.* (2016)

The current political, economic and cultural, language and philosophical world order reflects human history in the form of nations, settling of continents, regions, and states as the consequence of the assertiveness of leading economic and political powers in a particular part of the world. South America is called Latin because European culture, languages (Spanish and Portuguese), and religion asserted themselves there.

It is obvious that the development of the world is not homogenous and that is why it does not form a harmonized structure. There is a set of smaller structures existing next to each other which contrasts or coexists with each other. Therefore, an ideal state could be likened to a monocrystalline with polarized elements and chemical bonds according to a certain order. The history of humankind has not yet experienced the ideal state. The world develops in a way that some world structures are drawn to each other (they get closer to each other), other repel themselves or partially grow together into irregular complexes.

In Europe, this process can be viewed in the form of different integration and coexistence of countries. Some of them are members of the EU, others are not, some are NATO and EU members, others are EU members, but are neutral as they are not members of any military – political pacts. If the mentioned findings are summarized, the following prospects of further development of the world can be satisfied within the next 10 to 15 years namely new topical themes which are derived from the implementation of the above models. First, it is the economic power. The current world is economically differentiated with social consequences in particular. An increasingly smaller group of people own a growing amount of property, and there is a rising number of people who are impecunious or who have an insignificant share of the world's wealth. Moreover, democracy and market economy are emerging which causes the creation of market society, especially in the northern part of the world, where the consumerist nature of life prevails. Next, new technologies are changing global economy into planetary. The productive factor is no longer just the soil but Earth within the cosmos. Spart from

real, there are also virtual economic processes and structures. Second, political power in history, the bipolar political world is getting diversified while national or religious points of view of the different political power are growing. Moreover, political power is privatized like some owners or presidents of corporations wields more political power than presidents, or kings of the countries. The paradigms of standard politics are changed like one of the most dynamically developing economies are those ruled by communist or not fully democratic regimes. In political aspect, virtual social networks are independent on countries borders spreading in the world beside real societies. Third, Violent power is when worldwide peaceful attempts are not met with positive results, and conflicts are dispersed into regional and local wars. Furthermore, violent power takes new forms which have a hybrid character where the activities of official armies are combined with the activities of voluntary "guerrilla" groups and individual terrorists. Violent power is not currently implemented frontally but diffusely like the attacks are "dislocated", or in remote local attacks outside the center of the violent power. Next, violent power is privatized, not only in the form of mafia groups and guerrillas, but it is also to be found in the private armies to be hired. The application of new theoretical knowledge into practice leads to the robotization of violent power such as pilotless planes, drones (quadcopters, multi-copters), and devices for electronic war. Fourth, it is the nature. Besides living and inanimate nature, there is arisen artificial nature which has infiltrated living as well as inanimate nature and society or it exists in positive, negative, sterile or neutral synergy with the rest of the world. Next, people experience the climatic changes which impact the activities, conditions and lifestyle of people, nations, states and local communities. Many changes are irreversible, or organisms are forced into extinction. Then, a number of natural resources are shortened such as the shortage of water or increase of polluted water is becoming a key problem. New kinds of "the pollution" of nature are springing into existence like radiation, light smog, and cosmic debris. Fifth, it is the identity. The cultures become intertwined, which on the one hand, leads to the loss of identity and a historical context of the character of people, nationalities, nations, regions, states and the like. While, on the other hand, nationalism, racism, and religious intolerance grow. Due to the penetration of virtual reality into the life of human society, disinformation is disseminated together with information, the truth is delivered together with falsities, logical arguments are tainted by emotions or faith in false values. In addition, global corporations see company culture, ethics, and identity in the form of asserting themselves and becoming superior to national, regional and local characteristics of human societies which have been created throughout history.

The listing of themes outlining the prospects of further development could be continued. People have deliberately selected those who have negative

and destructive impacts on today's Europe, especially the central European countries. It is necessary to take into account that the fact of global economic center on condition that there is not going to be a military conflict or another catastrophe like ecological moves to the eastern part of Asia, and the importance of Europe is diminished.

The current scientific and political attitudes are paradoxical. The actual problems of the world are only noticed superficially or academically. There are few publications that respond practically and also scientifically to contemporary globalization issues (Tomes *et al.*, 2007; Schuz *et al.*, 2015; Davos, 2016; Mikolas *et al.*, 2016).

CONCLUSIONS

The humankind is heading to a new stage of the development of the world which can be distinguished by the following characteristics. First, the ruling social order – capitalism – is entering a stage where it either retreats from the main criterion "financial gain" and evolves into a social system where "profit" will be understood in a wider context (economic, social, ecological). The satisfaction, emancipation, and entrepreneurship become common social values or the world will see a revolutionary explosion of hatred, social clashes and violence. The determining factors for a further positive development of the world in the next years will be a shift of innovation activities from purely technical and economic to social and ecological because ignoring the consequences of technological and economic innovations may lead to a surplus of people in the economic and social sense. Second, the development of culture including physical, mental and social, and learning is to enhance the human and social potential of society. Last, it is the acceptance of individual and collective entrepreneurship as the basis of securing the future of humankind in the harmonious, cultural, social, political, economic and living environment during the period of deglobalization. Emancipation, satisfaction, harmonization, positive synergy and especially entrepreneurship are the cornerstones for the evolution of human society in line with the rest of world.

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