

# Sustainable development: as a whole of stability and instability (Synergetic analysis)

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**Summary.** In this paper, the order resulting from the integration of stability with instability is shown in a systematic form. The synergetic method of forming a picture of the relations of man, nature, and society in the context of globalization explains the essence. It is guaranteed that the definition of chaos will bring a positive result. This shows that it plays an important role in revealing the essence of the problems that are especially relevant to all sectors of society. In particular, it defines the function of the methodological basis as a solution to the problems of the rise and fall of ecological, social, economic, political, spiritual, medical systems. It focuses on the importance of knowing the importance of big and small elements in any situation in the development of a society.

**Key words:** complex, unstable, systematic analysis, chaos, order, development, sustainable development, nonlinear development, self-organization

Mankind is experiencing a dangerous and complex situation: the destruction and destruction of nature continues, inequality in the human world is deepening, the scale of consumption is expanding, and there is a contradiction between man and technology. Technogenic civilization is making an existential "call" to humanity. Today, it is emerging for us that the irrigation of any planetary movement directed at the ideals of man-made civilization at great risk can lead to catastrophe. The main issue for today is how much it is possible to change the direction of human civilization and ensure a stable and secure future for itself. The Rio Agenda, entitled "Agenda for the 21st Century," states: "The only way to ensure a secure, prosperous future is to solve the problems of economic and economic development in a comprehensive and coordinated manner. We must meet the basic needs and aspirations of the people, raise living standards for all and at the same time. we need to better protect and preserve ecosystems. No country can achieve such a future alone, but we can do it together, working together for sustainable development within the framework of a global partnership". [1] On this basis, the term coevolution is introduced into science. We clearly see that the method of synergetic analysis is widespread in the development of the world. Synergetics is the process of self-organization in complex systems of nature, at what stage of evolution chaos (instability) plays a positive role, the emergence of order (stability) from chaos, fluctuations, instability and stability, linear and nonlinear development, explores new stages in the modern world picture - such as the concept of a changing unstable world, the nonlinearity of development, and the phenomenon of diversity. [2] Scientist Prigogine, the state of bifurcation indicates the complexity of the system. [3] On this basis, N. Moiseev said that "every state of the social system is a state of bifurcation" [4]. As an angry example of this, the events that take place in people's lives are determined by the emergence of an order that shapes a new phenomenon from a chaotic event in the social and economic spheres.

For example, war and peace, the decline and recovery of the economy, the emergence of new forms of relations between them. The disease of the 21st century, the pandemic, the disease of Covid 19, has led the whole of humanity to a new stage. The reason is that bifurcation is a state of transition from one level to another. While people have shown in the previous system the importance of the concepts of physical freedom, anxiety, virus, infectious disease, mental and physical low level, in the current situation determines synergistic thinking, self-organization in a complex system, self-recovery, will cause the system to change as a result of requiring the creation of a new layout.

One of the categories of synergetics is coevolution. Mankind has changed the whole biosphere in order to adapt it to its own requirements, and it is based on the principles that ensure that it changes in accordance with the objective requirements of nature. Coevolution is a universal condition that requires a

reduction in the risk of extinction of man himself and all the elements on the planet. The term "Coevolution" is used to describe the mechanisms of mutually identifying variables that form an evolving whole system, and the fusion of man and nature allows them to develop in harmony. On this basis, the concept of sustainable development can yield results.

As a result of the development of society, the conditions of stability and change, instability in any system require each other, in which case the two will be able to reflect the overall phenomenon as a whole.

The integrity of any society has a certain degree of stability and conformity, and again prevails in change and resistance.

The stability and change of the whole system, along with the stability of society, nature, and the human system in the processes of instability, changes and resists. For example, an event that is valuable and important for a person can occur in the development of a society, its importance increases or decreases with the change of time. An increase in value indicates stability, while a decrease indicates resistance to change. We need to clarify the key words and ideas mentioned above.

**Society** – it is a historically shaped set of forms of human and human activity;

**Nature** – it is a natural complex of human society;

**Human** – it is a stable system of socially significant traits, behaviors that underpins the individual as a representative of this or that society or whole;

**Stable** – it is a state of infinite change, but in a state of peace, change also takes place.

**Development** – it is a unique, directed, legitimate change of material and ideological objects, as a result of development a new quality of the object is formed.

As a result of instability, stability, the formation of order through instability (chaos) occurs in the relationship "man-man" (social relations), "society-nature" (social-natural relations), "man-society" (anthropocial relations). The evolution of man, society, and nature as an integral self-organizing system is characterized by the following differences: The self-organization of the system of "man, society and nature" takes place at the same time and in space, but the instruments of evolution of each of them have different scales and different times: the evolutionary changes of nature are measured over the centuries, having a deterministic mechanism. The self-organization of man and society is short in time and has a mental mechanism of evolution, thus giving rise to the possibility of several directions of development. The self-organization of social matter is a complex phenomenon compared to the self-organization of nature: there is an intensive exchange of things, information and energy with the environment, the pace of change is rapid. In the above-mentioned events, the unity of instability and stability in the formation of a new system:

- The system of "man, society and nature" is considered as a self-organizing state
- In the system of "man, society and nature" we see the process of transition from instability to stability
- Changes are observed as a result of internal interactions (fluctuations) of the system "Man, Society and Nature"
- In the system of "man, society and nature" ends with the formation of man as an attractor.

As we know, modern science focuses on the philosophical analysis of the concepts of stability and instability and the relationship between them. [5] However, despite a comprehensive analysis of the concept of stability, it is much more difficult to make the same point in view of instability. If stability is linear and has been studied in different sciences, then different forms of nonlinear instability are waiting to be solved in science. We need to explore ways to turn instability into a whole sustainable system by focusing on the hidden potentials of instability. It requires a systematic analysis of the ontological, epistemological, methodological, axiological aspects.

We must first acknowledge that ontological instability is real. As an example, the fact that not all countries in the world live the same life creates an increased risk as a result of demands.

Second, the aspects of stability remain unknown to science. For example, coincidences, the complexity of the ability to predict earthquakes, the presence of natural disasters in nature, the growing unstable relationship between "man and nature."

Third, the main reason for unstable relationships in the synergetic sense is the problem of self-organization and management of the human dimension of the impact on the environment. Evidence suggests that the ecologically stable phenomena on the planet are a direct indication of the normality of man,

the optimality of the state of self-awareness. The transition from a state of instability in the relationship between man and nature to a state of instability is directly related to the state of consciousness and the higher states of consciousness. The real contradictions between reality and subjectivity, between natural and artificial, in the relationship between man and nature, lead to the spread of cases of environmental instability. In our view, instability can be resolved in a hierarchical manner, starting with the microelements associated with the lowest stages of matter development and rising to the macro stage. As a result of studying the internal structural and functional aspects of instability, we think about it in detail, and different circumstances determine its importance as a holistic system.

The new system of knowledge about instability formed through the formation of coordination or subordination of these relations reveals new images in nature and society, which, while ensuring the stability of human life, depend on the present and the future.

Fourth, the axiological meaning of instability is to focus on the system of national and universal values, to establish a unique practical partnership based on the discovery of goodness, creativity on earth due to universal values, mutual interest. As a result of the focus on the formation of a single economic space through relations, there are factors that ensure the transition from instability to stability. The shift from chaos to integrity is an important factor in overcoming instability as a result of global thinking, thinking and planning as we move to a new stage of integration between different states and peoples.

"It simply came to our notice then. The concept of instability has been used in a negative sense to date and its basic meaning has not been given enough attention. Modern science considers instability to be an important aspect of existence. Unsustainable growth does not lead to sustainable development". [6. 46-52]. On this basis, the transition from instability to sustainability rather than the transition from stability to stability will determine this fundamental sustainable development.

"Sustainable development - sustainable development of systems that provide ecological, economic and social activities to all segments of society, based on the principles of purposeful living, rational use of nature, economic efficiency and social equality, as well as the provision of natural, economic and living systems. and the present and future generations of human beings can be seen as a complex development of human society that meets the normal spiritual and material needs and serves the goals of all-round human development".

From a synergistic perspective, we are able to explore a system that explores space, time, or functional systems through self-organization. That is, synergetics focuses on unbalanced systems. If we make scientific assumptions, we can see that the system under study has a certain amount of energy, external influences on the system. That is, due to changes in this control parameter, instability occurs and the system moves to a new state. [7. 43]

Demonstrating the integration of at least five areas of human activity into a single system in order to form a sustainable and sustainable development of a synergistic nature - the ecological, economic, technical, information and spiritual spheres provide the quality of sustainable development.

Given the factors that contribute to sustainable development mentioned above, we can see that the effects of instability also contribute to sustainable development. For example, it calls for conservation, conservation, and sustainability by calling for survival.

As a result of instability, it seeks to lay the foundations for new, sustainable, secure development.

## Literature

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