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Concept Paper

The Pillars of the Societal Bioharmonism. A Conceptualist Contribution to the Evolution of the Contemporary Society

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Abstract: This work refers to sustainability (SDG - Sustainable Development Goals) highlighting the idea of harmony of life along the lines of the biological model at various levels and of nature alike, thus defining the concept of bioharmonism. The purpose of this paradigm is to find a way of transition in the contemporary societal change, connecting the natural sciences, more precisely the life sciences, with the social sciences, more concretely along the lines of holistic approaches to the evolution of human society. The objective of this point of view is related to sustainability, resilience and planetary health, which indicates the need to analyse planetary bioharmonism and transpose the model to the structure and functionality of human society through the complex, unitary and coherent approach of the bioharmonization process. The study analyses the issue, through: the definition and role of societal bioharmonism, then the argument related to the transition to another world using the proposed path, based on specific notions, principles and laws, and finally, the description of some lines of application of the pillars of bioharmonism. A series of solutions are highlighted that can contribute conceptually to the evolution of contemporary society, to the convergence of anthroposystems with ecosystems by interconnecting the aspects of the biological revolution with those specific to the information age. The solutions aim at societal bioharmonization supported by its specific pillars, which through integration and emergence lead to a dynamic balance. The state of equilibrium, sustainability can be highlighted at a systemic level by the directions of action in which the bioharmonization complementarities that indicate the Environment and biodiversity in the economic equation, the Citizen in the social equation and Science in the political equation will be taken into account.

Keywords: bioharmonism; concept; postmodernity; systemic; societal

1. Introduction

Starting from the premise that in today's observable reality the concerning finding is the transition from a decaying world to another world of knowledge and consciousness, based on the unprecedented development of science and technology, but which is still little understood, an attempt is made to outline a new path of transition that humanity is going through in the present.

This point of view highlights a nuance of societal evolution with reference to harmonization, balance, food security and planetary health as a whole, along the lines of the objectives of sustainable development and transformation of the world, starting with the exhibits specified institutionally by the Nations United [1].

The Contemporary society largely functions in the open space delimited by the paradigm of modernity, more correctly said the one of post-post-modernity. This includes an accent on sociologic, technologic or the other conditions that distinguish the Modern Epoch from everything that followed

after it, including nuances of postmodern chaos. Therefore, it is very important that researchers from interdisciplinary fields look for innovative solutions to the complex problems of today's world. In the present society, settled postmodernism represents a set of answers of intellectual, cultural, artistic, academic or philosophic order, i.e., solutions for nowadays post-post-modernism condition [2–7].

In short, it can be observed that the space of today's society seems to be more and more a “black box”, insufficiently known, which makes the approach to understanding the world on the basis of new paradigms and transdisciplinary interpretations opportune. Thus, our approach is found along the lines of the conceptualist process, which, now more than ever, becomes opportune in the context of the general effort when humanity becomes aware of the importance of “knowledge”. This is the idea that represents the very mechanism of reporting to reality (be it theoretical, institutional, linguistic or non-linguistic) with the known expression of the Knowledge Society. In the present study we refer to a series of contributions regarding the restructuring and the perpetual harmonization of information on the concrete line of transition from the approach based on economic efficiency, to systemic effectiveness and then to a holistic dimension (which can at a given moment lead to the Society Consciousness) [8–13], namely, the gradual transition towards holistic harmony at all levels and societal components. We are talking about a conceptual flow that for relatively long periods emphasized efficiency, with imbalances of systemic effectiveness and pollution with the potential for crises, but also with an ignorance of harmony, i.e., of “order, in which the different parts or functions do not oppose, which leads to a happy combination of diverse elements” (as the ancient Greeks claimed from history).

As is known, the idea of harmony is expressly found in what the Pythagoreans called “the harmony of the spheres” and persists in the thinking of modern times in Kepler, Giordano Bruno, Leibniz, Goethe (in the formulation of the pedagogical ideal, in “Wilhelm Meister”), then in German idealism. A new emphasis is given by “harmonie préétablie”, in Leibniz's metaphysics and in music (the science of the use of chords). Continuing on this line, with rigorous adjustments, we consider it opportune to analyse contemporary society on this troubling trajectory over time and in an adaptation to the model of planetary harmony, unjustly neglected to a great extent until now.

Knowing that things are not easy to achieve, we position ourselves in the approach of this study to encourage freedom from prejudice and sometimes ignorance, to have the chance to highlight the harmony of life and nature alike (“bio-eco-geo” type holistic harmony). So, initially based on an empirical-scientific hope, gradually the concept can be directed and then studied as a societal model, balanced in the constants of the Living Planet and universal harmony [14–18]. The connection is actually made between the idea of dynamic balance, given by the evolution model of “living” (“bios”), with the idea of “harmony”, thus laying the conceptual, but also etymological bases by joining the terms, in the notion of great complexity semantics of “bioharmony”.

2. The Definition and Role of Societal Bioharmony

The evolution of contemporary society is of course complicated, but in general it is connected with the unprecedented development of technology. Hence the evolution seen at the inflection of ecosystems with anthroposystems, an area where technology and biology are connected, both being evolutionary processes. Elegant arguments supporting the issue can be found in the thesis published by Ray Kurzweil in the futurological hypothesis of the Law of Accelerating Re-turns (Law of Accelerating Returns, 2005).

The 20th century brought a great scientific change with major paradigmatic impact. As is known, Einstein's Theory of Relativity and the development of quantum mechanics led to the emergence of a new physics, capable of describing more coherently and in-depth different types of events in nature. Evolution became a unified theory when the modern synthesis reconciled Darwinian evolution with classical genetics. We recall that the molecular structure of DNA was discovered by Watson and Crick in 1953. All this makes possible new interpretations regarding natural, social and artificial phenomena, which represented, in the present case, a basis for the foundation the role of bioharmonism, which can make the connection between the natural sciences, more precisely the life

sciences and the social sciences, more precisely the holistic approach to the evolution of human society.

Concreting the relationship between biological, technological and society, we take as a benchmark the non-linear planetary harmony, expressed through life itself as an evolutionary model and a validated benchmark for contemporary society. We refer to BIOHARMONY as a scientific-philosophical approach and to *BIOHARMONISM* as the transposition of the ideal of bioharmony into objectives, strategies and tactics. Bioharmonism essentially aims to transform reality with anarchic tendencies into one with optimized, balanced and environmentally friendly performance, based on the principles of sustainability and the convergence of three pillars of conceptual, processual and societal reference. In short, bioharmonism aims at the emergent integration of resources and processes, becoming a suitable vehicle towards the Knowledge Society. This by outlining a new societal model of maximum systemic effectiveness and resilience, but also with ethical valences along technological, ecological, social and political lines.

Hence the role of the concept that is related to sustainability, resilience and planetary health, which indicates the need to analyse planetary bioharmony and transpose the model to the structure and functionality of human society through the complex, unitary and coherent approach of the bioharmonization process [16,19–24].

Without going into details, we specify that “bioharmonization” refers to the continuous process of optimization and objectification of the contemporary reality with the specificity of the biological revolution in the information age which, after the phase of current drift and even disintegration, will restructure society towards another world. Methodologically, bioharmonization is initially based on empirical observations, and at the phenomenological level on fragmentation mechanisms (fractal analysis), multiple integration flows (integronics), quantum approach, etc., trying to define the problem, find quantification methods and finally the non-linear interpretation of the biological-eco-informational reality phenomena, in relation to the dynamics and linear components (cause-effect) of the standard approaches so far [4,16].

Reality shows us concerns about the planet, but only a small step forward has been made on some issues, such as understanding how to limit global warming, to adapt to the impact of climate change, and to provide funds to achieve these goals [25]. In other words, the problem remains, especially in the relationship with the biggest polluters of the world, which requires new practical approaches, but based on theories and concepts with the potential to be settled and of course, accepted.

To better understand “reality” one must take into account the typologies of reality we are currently discovering (augmented and combined realities), which makes concepts from the extended bio-informational world more useful [26]. As a benchmark we have the spectrum of realities (Figure 1), from which it becomes essential to understand the physical, psychic (including through the senses), spiritual realities, all perceived more or less around us, as a prime mystery still little distinguished, but which can rightly support “parallel realities”, especially from the virtual world, that we are discovering in the 21st century.

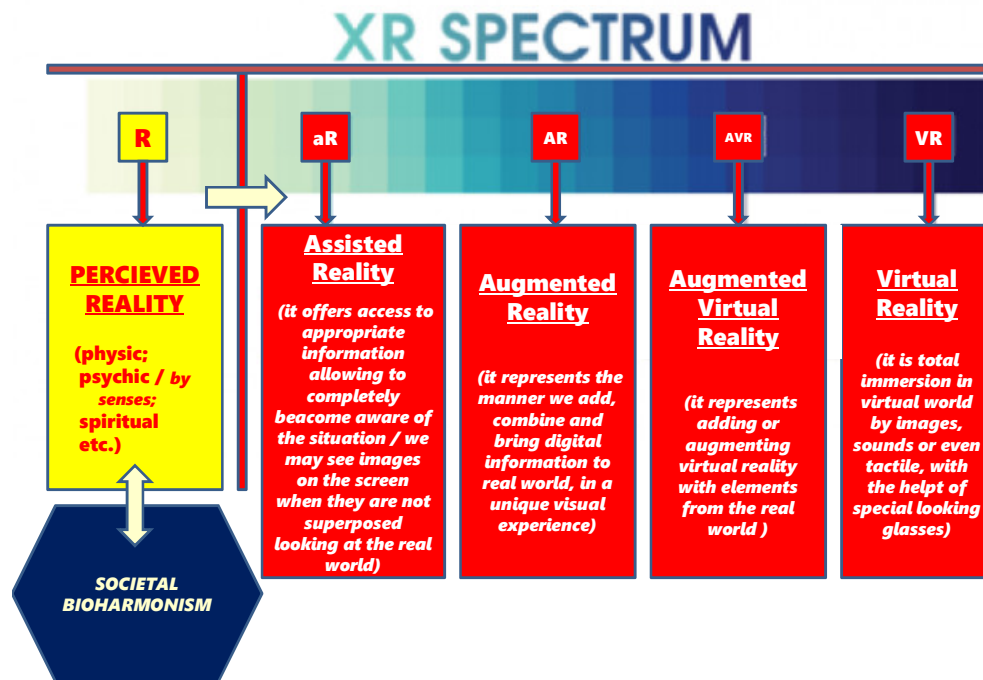


Figure 1. The awareness of bio-harmonization processes in the perceived reality, specific to the real world, becomes the benchmark for understanding the harmonization of considerations from parallel realities, specific to the digital and quantum era.

In this not very optimistic context, the study proposes as general goal to bring its contribution to the already established ideas referring to the understanding of the sustainability process. We refer to the objective of theorizing through an applied interpretation at a societal level, along scientific-philosophical lines of an integrative nature and the reorientation through new concepts of the evolution model of contemporary reality [27–30]. We have in view the specificity of today's world based on disordered informational explosion and with potential to generate deep disharmonies (example the overlap of current crises). Therefore, the present study describes a series of "conceptual pillars" that aim to find mechanisms to prevent or remedy imbalances, that is, models found in the "living world", with an effect applicable to human society. What is desired is a paradigmatic deepening necessary to generate a state that tends towards the bioharmonization of the structural elements of contemporary society, an idea briefly resumed and further defined.

BIOHARMONISM represents the concept referring to the tendency of "systemic harmonization" and balancing of reality in the holistic organization of contemporary society, methodologically based on the agreement of the parts with the whole, with the application of the understanding of the world in relation to the model of "life" (life, existence) and planetary "living" (live), in their complexity and interconnection with current socio-economic and info-cultural models.

3. Bioharmonism as an Argument in the Transition to Another World

The changes in contemporary society are obvious. Note the accelerated speed of science and technology and the much slower understanding of these aspects. That's why any attempt to decode things, so that society can find its compass, is worth the effort. The theory of bioharmonism and the shaping of an ideology want to contribute to the understanding of societal reality on various levels, based especially on the types of critical, convergent and systemic thinking.

The structuring of the concept, the establishment of principles, the elaboration of rules and strategies, can make bioharmonism a benchmark for societal evolution. All this can materialize by outlining a specific methodology and establishing original notions necessary for the concise and

precise expression of certain nuances, otherwise difficult to understand without their definition and elaboration, and by creating an innovative language. We cannot explain the phenomenological structural view of the material-informational reality (ortho-physics) and even more so of the biological-informational reality. In short, it becomes useful to search for notions that can explain the transition from complicated to complex, from Newtonian physics to quantum physics, from the linear to the non-linear approach specific to life (live, living) and the surrounding nature, etc. We specify that the terminology used wants to focus as correctly as possible the meaning of the way of expression, and the creation of a specific language becomes necessary, although at first sight it seems to complicate things. As examples and elements that we will describe in synthesis in this study, we can enumerate (from the Glossary of Bioharmonism Theory, 2019): bioharmony, bioharmonism, bioharmonization, emergence, ecosanogenesis, fractal, georhesia, homeoresis, homeostasis, integronic, infochronic orthoexistence, telefinality etc. [16].

In the sense of what was expressed, we consider bioharmonism to be, among others, a “seed for another world” [4], through the corollary of new concepts, principles, laws and notions, which we present as an example of finding the concept in various components of reality. The analyses and examples have as a “spearhead” the main existential resource, namely food production. That is why our concerns relate mainly to examples of the agri-food axis, but also to generalizations at the level of contemporary society.

4. Examples of Application of the Pillars of Bioharmonism

In the understanding of societal bioharmony, the approaches to this problem are eloquent, both at the “macro” (holistic) theoretical level, and practically in the exemplification from this point of view, at the level of the agro-food system. Thus pragmatically, we highlight the production of food in the idea of applied biology on a large social scale and of great theoretical and practical relevance for humanity, in the context of resource depletion, current demographic dynamics and climate change.

Today’s reality indicates a postmodern society (also called the informational society, or the post-industrial society) which means the accumulation of these trends. It results in a lot of unrest and profound changes in societal groups, in scientific and technological activities, in cultural, political, etc., all of which require a solution by formulating new concepts, such as bioharmonism. The concerns regarding the paradigmatic finding and adaptation of contemporary society are based on knowledge and communication, multiculturalism, tolerance, media culture, the structuring of the great narratives of recent years, i.e., problems of the postmodernist imaginary. Let us only mention François Lyotard, Michel Foucault and Jean Baudrillard among the main philosophers who established and described the postmodern condition [5,31,32].

Starting from philosophy, conceptual approaches go to economy, society, ecology and, of course, politics, covering as we all know, extremely diverse names and fields (from biology to physics, etc., to sociology or political science). We hope that the “seed” we plant through the approach centred on the integrative idea of bioarminism will be convergent with them, having a contribution with a special place [16].

Starting from the general to the particular, the analyses in decoding or solving as much as possible the mystery of the dynamic balance model (homeoresis), from different levels of the environment and society, had for us as a holistic problem of framing bioharmonism, the general aspects of the philosophical order (“biosophy”). We are talking about a history of several decades, of theoretical approaches from various angles to create a framework that, through successive mechanisms of integration, makes possible a common element of analysis, namely, the elaboration and theorization of the “idea of bioharmonism” (Table 1).

Table 1. Original theories and concepts at societal level.

PARADIGM	DESCRIPTION IN SYNTHESIS
The Theory of Bioharmonism (2019)	<ul style="list-style-type: none">It is the theory that contains a series of concepts, laws and principles that put in a new order the creation of humanity, essentially representing a new perspective of the development of humanity based on the non-linear model of the “Living Planet” and the existential triad (Information, Energy, Substance), taking “Living” and “Life” as a benchmark, essentially generalizing the idea through the acronym “bio” which is integrated into the process of societal harmonization. The approach aims at sustainable development along the lines of systemic effectiveness, tending towards dynamic balance in the model of contemporary society, essentially characterized by the convergence of the Biological Revolution with the specifics of the Information Age. Thus, in the hypothesis of biological-informational harmonization, a complementary vehicle of the evolution towards the Society of Knowledge and then towards the Society of Consciousness is constituted, i.e., an approach based conceptually on the phenomenon of “bioharmonization” and ideologically on the principles of “bioharmonism”.
Bioharmonist ideology (2019)	<ul style="list-style-type: none">It represents a path to be followed by the political present given by the totality of philosophical, moral, religious ideas and concepts, where Information (I) is an existential basis having a programmed and codified dynamic, which has the ability to bring scientific data into a harmonious whole of the model of Nature as “unity in biodiversity” and of the current biological-informational Society. Thus, sustainable development is linked to resources, knowledge, dynamic balance and societal values, i.e., a doctrinal and ideological outline combined in the notion of “bioharmonism”. Basically, it is the ideology with a political position focused on the dynamics of stimulation and accumulation of wealth based on the convergence and integration of the elements of modern-ethical liberalism, with those of the model of Nature and the mutual economic balance, inducing a maximized potential to counteract the climatic, demographic and geopolitical crises.
Infogronic Law (2019)	<ul style="list-style-type: none">It refers to an existential phenomenon in continuous dynamics in space and time regarding Information (I) as an ontic value and in multiple integration at all processual and phenomenological levels, based on a series of axioms regarding the phases of “volution” (evolution, revolution), with reference to the ontic triad, based on information (I), restructured into Energy (E) and Matter (Substance -S-). It is the hypothesis related to complementary integrations, based on the science of the coexistence of systems from the general theory of multiple integration (the so-called integronic dynamics), resulting intuitively and observable “infogronic” type processes, with the action of structuring or destructuring the coded and programmed universal information, i.e., the presence of “something” to be specified and named in a still “mysterious” expression as presence in the real, conceptual, spiritual and virtual world.
Integronic management (2013)	<ul style="list-style-type: none">It is an applied scientific approach through which the combination of concepts and resources necessary for the production of goods and services emphasizes the process of sustainability, focusing mainly on systemic effectiveness and referentially on the side of bio-economic efficiency and profit making. We refer to a managerial activity that studies integrated systems and integration processes, taking into account global elements and facts as a whole, in accordance with the General Theory of Integration, thus approaching a balanced piloting at the systemic level, including type organizations “Economy-Environment”. Following the multiple integrations that indicate an integronic dynamic, an organizational management with a synchronic and syncretic complementary work base with synergistic effects (S³), expressed through a process of emerging integration along biological-informational lines, is materialized. A bioharmonized managerial framework is thus achieved, having a specific model based on a methodology with indicators that express the interconnection of biological, ecological, and technical-economic parameters optimized and with maximized yield.
Biosophy (1998)	<ul style="list-style-type: none">It is a specific philosophical field that refers to the “philosophy of the dynamics of living elements” expressed through biology and planetary ecology (biognosesology) in

connection with the principles of the quantum world and the nonlinear model of Nature, an approach that is expressed through the dynamics of integronic management based on the methodology informational. It guides the general conception of the world and life by putting in the foreground the deep awareness of the relationship between the existence of “living and planetary life” and the evolution of Nature, in the sense of evolution that is not perfectly predictable. The path of the bioharmonized conceptual approach in relation to the life and development needs of society is emphasized, on scientific bases and on a set of methodological principles in the idea of conceptually linking the “Primordial Cosmic Information” (intuited also in the Christian theological narrative: “At beginning was the Word...”), with the planetary informational program. In essence, it is the evolutionary conception with valences of quantum physics, chemistry and quantum electrodynamics, which supports the line of ascent of terrestrial life based on the Information given by the genetic code of all living things, with interactions still unsuspected at all levels of the biological hierarchy, with holistic connections at the level of the human species of societal bioharmonization, in all its material and spiritual aspects.

The pragmatic understanding of the idea of bioharmonism moves to a level of interpretation of the complexity of contemporary human society in which the excessive consumption of material products, but especially of harmful media products, of cultural products with outdated value, becomes more and more evident, which increases the disorder of society at all its levels. In this direction, as we stated previously, we focused on the primary need of the species, as world statistics show, that 70% of humanity’s needs are food. The conceptualization in the direction of the bioharmonic paradigm of the food production and processing branch made it possible to apply the theory through the aspects that we list in Table 2 [19,20,22,23,28].

Table 2. Original concepts in agri-food field.

CONCEPT	DESCRIPTION IN SYNTHESIS
Genetics of Biocenoses (2017)	It is a complementary conceptual component of genetics in an ecological and existential direction (considering as a basis the ontological triad: Information, with restructuring in Energy and Substance), through which the heredity process is followed at the level of biocenoses centred on the inheritance of relationships and behaviours between species through mechanisms of genetic cohesion and adaptation, across the species barrier. They are processes based on the coded program of living organisms regarding the informational interconnections between species and populations, with the purpose of decoding the genetic circuit within a specific bioharmonization process of the “interrelationship poly-gene pool”. This, directly or indirectly, emphasizes the heredity of existing interconnections and relationships, expressed through behaviours inherited in a certain biocenosis and then transmitted, on genetic principles, epigenetics and inherited non-genetic factors, as well as interpretations of the quantum world, towards the specific biocenosis of the next generations.
Bioeconomic animal breeding (2016)	It is the concept that starts from the premise that the issue of animal proteins must be placed in a wider context and not only considering a limited number of criteria, but also taking into account health and environmental issues, an idea that indicates the avoidance of some “false good solutions” in nutrition, indicating its bioharmonization in the relationship between vegetable and animal proteins. It is the concept that supports the reorientation and adaptation of animal production activity through the application of bioeconomy principles, in order to renew and transform the field of animal husbandry in the direction of optimizing yield and systemic effectiveness by re-solving energy bioconversion and through biotechnological transformations (“to produce less, but better”). The approach is based on changing the current paradigm (based exclusively on profit), in the sense of highlighting regulations and mechanisms of regulation and self-regulation (cyber), as well as connecting the environment to the economic equation, resulting in the generation of a real potential for sustainability and eco-development, reshaping de facto the technical-scientific and zootechnical managerial framework, with the idea of achieving “bioharmony” with Nature and Society. The concept also has the

	pragmatic objective of producing, based on bio-economic principles, products of animal origin with superior nutritional qualities and health-generating capacity, ensuring food security and environmental protection.
Modular Agriculture (2010)	It is the concept of polyvalent integration of the “bio-eco-geo” type that considers the biological and ecological management of certain modular structures of the territorial landscape, depending on the geographical nature and marketing, resulting in obtaining products of plant and animal origin, of food and culinary processing in a diversity of grouped modules: either in macro modules of agroecosystem type, or in micro modules of specific construction type with environmental characteristics and controlled space, such as vertical farms, or production laboratories in cellular agriculture, as well as in other specific modules.
Gastronomic Engineering (2008)	It is the approach that scientifically expresses the activity of the gastro industry sector, i.e., a discipline of systemic synthesis, which deals with engineering principles of the third stage of the integrated food act (after agriculture and the food industry). It combines food science with culinary art and gastro-technologies, with an approach based on the philosophy of sensory bioharmony and health through rational, technologically balanced physico-chemical and organoleptic nutrition, emphasizing the technique of food preparation through efficient and diversified distinct group management, or as personalized food. It studies the innovation and manufacture of quality food and select (mixed) drinks, as well as their marketing or serving in specialized public catering units, from the restaurant industry and the hospitality industry, brought together in the final step of the food act and the Farm to Fork axis, that is, the creation of products and culinary preparations that end up on the consumer’s plate.
Ecosanogenesis (concept of “Total Health”) (1998)	It is the complementary concept “health-environment” referring to the dynamics of generation or non-deterioration of the health of living species, regardless of the biological hierarchy and ecological organization, having as a methodological basis the harmonization of economic efficiency with systemic effectiveness, expressed by the pragmatic axis “ man-product-nature”, so without damaging the environment. We note that unlike the concept of the convergence of human and animal health, indicated by the “One Health” concept, the nutrition and health of multiple integrations (integronic dynamics) from microorganisms, to plants, fungi and then to animals, humans and ecosystems, indicates the idea of “Total Health”, expressed by the phrase ecosystem sanogenesis and integronic nutrition, brought together and called briefly: the concept of “ecological sanogenesis, or ecosanogenesis”.

The specifications in the tables indicate a way to try new experiments, new models, formulas and scientific, technological and economic strategies, with social and cultural impact, but especially political, respectively for the realization of public policies in a bioharmonist approach, to correlate the impact of human activity with post-modern concrete reality.

The answer to the new approaches can be found before the birth of a new cultural age (“another world”), with a status different from that of post-post-modernity, with a configuration and a recalibration of values, as well as new strategies that can reflect a real “re-entry into the womb” [5,33–40]. Highlighting, adapting to the present and finding the “valorization” mechanisms within contemporary society, precisely the idea of value (in many aspects outdated today), becomes possible also through the approach based on the principles of bioharmonism. This through the potential to ensure the emerging transition, respectively the collective interaction of the systemic components with the purpose of the emergence of the new higher order at the level of contemporary society, i.e.: the emergence supported by the principles of bioharmonism. Starting from the premise that the current socio-economic and political model begins to have too many gaps, including of a cultural and educational nature [41–50], Figure 2 describes a scheme of the transition on the pillars of bioharmonism towards a society performing in dynamic balance.

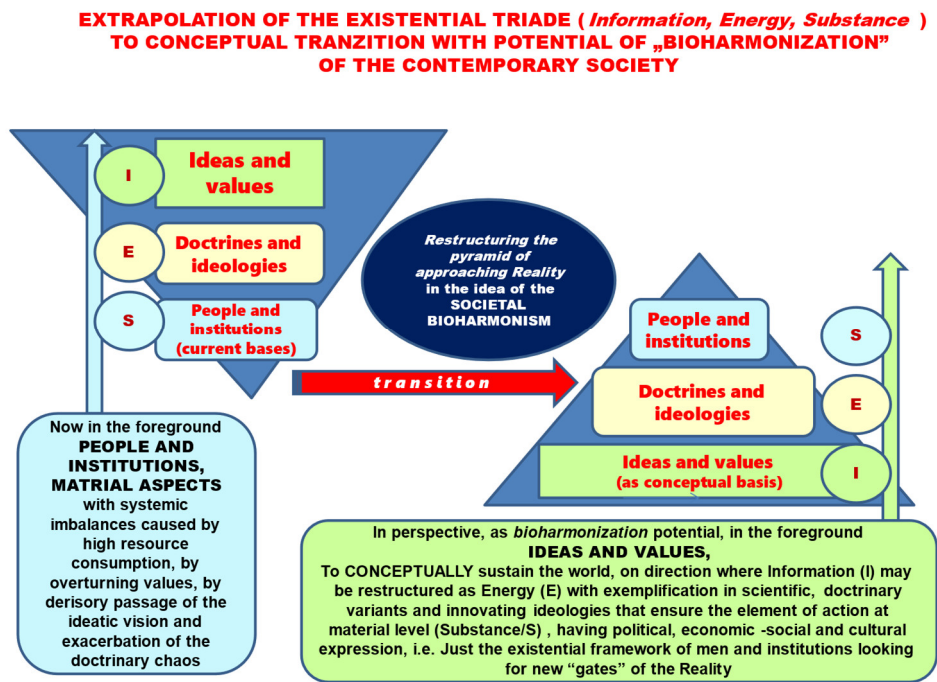


Figure 2. Transition of conceptual resettlement necessary to decode the „gates” of today’s reality, by processes of societal bioharmonization.

That is why a better harmonized ordering with potential for avalanche restructuring of societal components (conceptual, legal and institutional reforms) is opportune in the idea of “making peace” with the environment, with the economy and with ourselves as individuals or society, along the lines of the fundamental reconsideration of the continuity of balanced life on Earth (Figure 3).

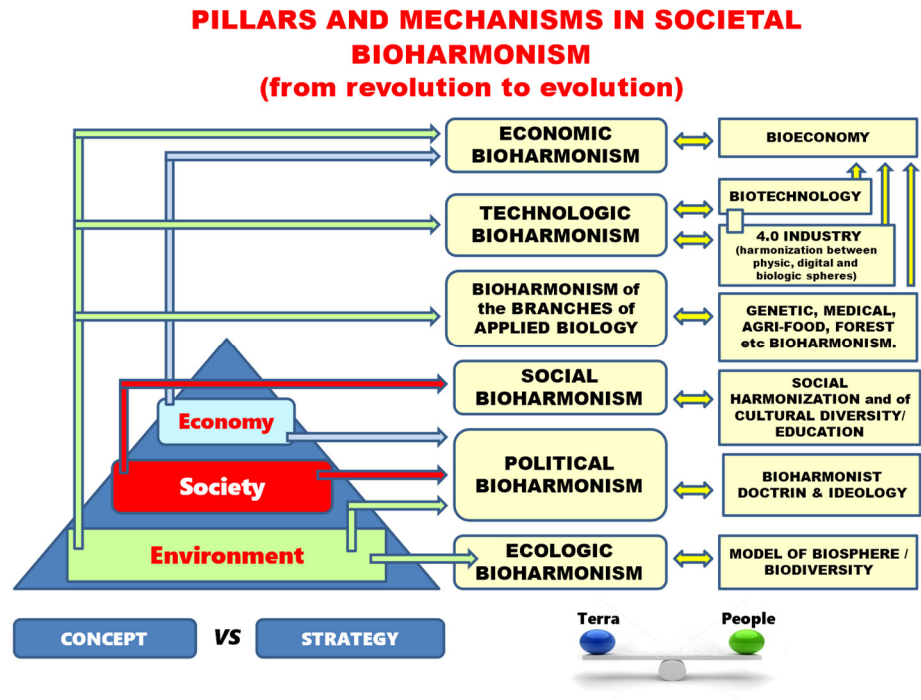


Figure 3. Expression of societal bioharmonism through the complementarity of multiple pillars and mechanisms ranked on systemic direction of dynamic balance (societal homeoresy).

The theoretical relocation through innovative concepts leads to the bioharmonization of the evolution of contemporary society which, systematically speaking, has the potential to generate “social homeoresis”. This process actually means the idea that represents the property, or state of a system, of maintaining its dynamic equilibrium. This in relation to a certain degree of antinomy to the idea of “societal homeostasis”, respectively in the sense referring to the property of a system to maintain a static balance of the initial conditions [16,18,51].

Bearing in mind, as we have emphasized on other occasions, that “routine and prejudice cannot stifle ideas indefinitely” and that “if we learn from the changes in the world, then we will see the loop of knowledge that will generate bridges by uniting between today and tomorrow”, we are convinced that the idea of bioharmonism, with the corresponding basic pillars highlighted in this study, becomes an important landmark in the context of the accelerated changes of the world and modern human society.

5. Conclusions

Bioharmonism, through the ideational novelty, proposes a reorientation of the approach of the current society on a balanced and harmonized route in the constants and the model of the “Living Planet”, resulting in the delimitation of a variant of the socio-economic and cultural model capable of supporting the current societal resort, a society characterized mainly by the convergence of reality given by the Biological Revolution with the Information Era. It is the concept that can counteract a chaotic evolution, contrary to the planetary model that is balanced and sustainable in the perpetual evolution of life, but also with applicability and connotations regarding the harmony of the components of contemporary society.

Bioharmonization processes and mechanisms aim at balanced bioeconomic and biotechnological action in relation to the creation at the level of Industry 4.0 and the corresponding cultural and psychosocial implications, essentially outlining the understanding of the development of society by taking the harmony of planetary “traditions” as a basis and analytical model, which can be supported conceptual, doctrinal and philosophical as a benchmark of the perceived Reality, specific to the current world.

Societal bioharmonization expresses a system of complementary equations that holistically imposes the Environment and biodiversity in the economic equation, the Citizen in the social equation and Science in the political equation, i.e., main pillars that, through multiple integration (integronic dynamics) and emergence, induce from a systemic perspective the state of “societal homeoresis” and from a political perspective, “bioharmonist ideology” as a way to restore the rules of the game and a source of doctrinal regeneration in a changing world, including the dilution of ideological benchmarks. As secondary pillars of societal bioharmonism, with a complementary role in supporting the main pillars, we mention the conceptual contribution that considers: “ecosanogenesis” and “genetics of biocenoses” along the lines of environment and biodiversity; “integronic” dynamics on managerial direction; “modular agriculture, bioeconomic animal husbandry and gastronomic engineering” on a technological direction, applicable to the axis of the food act; as well as the omnipresence of “Information (I)” as an element of existential flow through ideational bioharmonism and the restructuring of its programs through decoding “infogronic” flows, all in the thought corollary of “biosophy”.

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References

1. <https://www.un.org/en/exhibits/page/sdgs-17-goals-transform-world>
2. Drucker, P.F. *Societatea post-capitalistă*, Publisher: Image, Bucharest, Romania, 1999;
3. Lyon, D. *Postmodernitatea*, Publisher: Du Style, Bucharest, Romania, 1999;
4. Munteanu, F. *Semințe pentru altă lume*, Publisher: Princeps, Bucharest, Romania, 2015; pp. 137-192;
5. Scarlat, C. 2015: *Educația postmodernă vs. Recalibrarea sistemului de valori, în Perspective*, Publisher: Spiru Haret, Iași, Romania, 2015;
6. Siebert, H. *Învățare autodirijată și consilierea pentru învățare. Noile paradigme postmoderne ale instruirii*, Publisher: Institutul European, Iași, Romania, 2001;
7. Educația și școala contemporană la granița dintre modernism și postmodernism–deziderate și extensii în practica educativă <https://andreivocila.wordpress.com/2010/10/29/educatia-si-scoala-contemporana-la-granita-dintre-modernism-si-postmodernism-%E2%80%93deziderate-si-extensii-in-practica-educativa/> (Accessed on 07.09.2023);
8. Albrecht, K. *Inteligența socială. Noua știință a succesului*, Publisher: Curtea Veche, Bucharest, Romania, 2007;
9. Dasen, P., Perregaux, C., Rey, M. *Educația interculturală. Experiențe, politici, strategii*, Publisher: Polirom, Iași, Romania, 1999;
10. Drăgănescu, M., *Societatea conștiinței*, Publisher: Institutul de Cercetări pentru Inteligență Artificială al Academiei Române, Bucharest, Romania, 2007;
11. Harari, Y.N. *Sapiens - Scurtă istorie a omenirii*, Publisher: Polirom, Iași, Romania, 2017; pp. 296-315;
12. Hawking, St. *Teoria universală*, Publisher: Humanitas, Bucharest, Romania, 2014; pp. 123-140;
13. Wilson, E.O. *Cucerirea socială a Pământului*, Publisher: Humanitas, Bucharest, Romania, 2015;
14. Esposito, R. *Bios: Biopolitics and Philosophy*, Publisher: University of Minnesota Press., USA, 2008; pp. 16;
15. Frey, B.S. *Economics as a Science of Human Behaviour, Towards a New Social Science Paradigm*, Publisher: Kluwer Academic, Boston, USA, 1999;
16. Gruia, R. *Bioarmonismul, de la teorie la o nouă ideologie*, Publisher: Clarion, Brașov, Romania, 2019; pp. 63-71;
17. Peters, M.A. Bio-informational capitalism. *Thesis Eleven* **2012** 110 98-111;
18. Zugrăvescu, D., Munteanu, F. *Planeta Pământ - Planeta vie*, Institutul de Geodinamică „Sabba G. Ștefănescu” al Academiei Române, Catedra UNESCO de Geodinamică - România, Eagle Publishing House, 2011, pp. 45-47, 63-66, 90-94;
19. Gruia, R. Gastronomic engineering, a distinct direction within food engineering. *J. of EcoAgriTourism* **2008** 4, 10-16;
20. Gruia, R. Modular agriculture – paradigm of globalization dynamics within the context of climatic and scientific changes. *EEMJ* **2010** 9, 1601-1606;
21. Gruia, R. *Bazele managementului și direcțiile viitoare de evoluție*, Publisher: Lux Libris, Brașov, Romania, 2013; pp. 163-197;
22. Gruia, R. *Zootehnia bioeconomică*, Publisher: Lux Libris Brașov, Romania, 2016; pp. 5-364;
23. Gruia, R. *Resurse genetice în fermele agroturistice*, Publisher: Clarion, Brașov, Romania, 2017; pp. 147-188;
24. Gruia, R. *Ideologia bioarmonistă*, Publisher: Clarion Brașov, Romania, 2019; pp. 3-50;
25. COP26 Climate Change Conference in Glasgow, 1-12, Nov. 2021 <https://web.cvent.com/event> (Accessed on 12.08.2023);
26. Ce este Realitatea Augmentată? <https://www.inas.ro/ro/blog-arhive/ce-este-realitatea-augmentata> (Accessed on 03.06.2023);
27. Buican, D. *Biognoseologie, evoluție și revoluție în cunoaștere*, Publisher: All, Bucharest, Romania, 1993;
28. Gruia, R. *Managementul eco-fermelor*, Publisher: Ceres Bucharest, Romania, 1998; pp. 68-85;
29. Gruia, R. *Ecoemerging theory in sustainable development*, Publisher: Universitatea Transilvania Brașov, Romania, 2002;
30. Păun, E., Potolea, D. *Pedagogie. Fundamentări teoretice și demersuri aplicative*, Publisher: Polirom, Iași, Romania, 2002;
31. Barry, R.J.J. *Globalisation and Interdependence in the International Political Economy, Rethoric and reality*, Pinter Publishers, London, 1995; pp. 50-75.
32. Fukuyama, F. *The End of History and the Last Man*, Publisher: The Free Press, New York, USA, 1992;
33. Gaceu L., Gruia R. *Sisteme informatice în management*, Publisher: Infomarket, Brașov, Romania, 2006;
34. Ginman, M. Information culture and business performance. *IATUL Quarterly: A Journal of Library Management and Technology*, **1998** 2 93-106;
35. Kuhn, Th. *Structura revoluțiilor științifice*, Publisher: Humanitas, Bucharest, Romania, 2008;
36. Lemke, T. *Biopolitics: An Advanced Introduction*, Publisher: NYU Press, 2011; pp. 9-10;
37. Mignerot, V., *Transition- Réformer l'écologie pour nous adapter à la réalité*, Publisher: Association Adrastia, 2017;
38. Pillet, G. Economie de l'environnement et du patrimoine naturel. *Rev. econ.* **1990** 41, 321-333;
39. Smith, D.E. The Social Construction of Documentary Reality, *Sociol. Inq.* **1974** 44, 257-268;

40. Soran, V., Șerban, M.E. *Bioeconomia – o nouă știință de graniță*, Publisher: Științifică și enciclopedică, Bucharest, Romania, 1980;
41. Antonovics, J., 1978: The input of population genetics," *The new ecological genetics*", *Syst. Bot.* **1978**, *1*, 233-243;
42. Bache, M.C., 2000: Anima mundi - Ecological crisis and death of the ego of the species: speculation on the future, *JTP*, **2000**, *32*, 25-32;
43. Ball, T., Dagger, R. *Ideologii politice și idealul democratic*, Publisher: Polirom, Bucharest, Romania, 2000; pp. 17-33;
44. Bell, D. *The End of Ideology. On the Exhaustion of Political Ideas in the Fifties*, Publisher: Harvard University Press, Cambridge, Mass, UK 2001;
45. Brown, L. The Evolution of Public Sector Strategy, *Public Administration Review*, Wiley **2010**, *70*;
46. Fukuyama, F. *The Great Disruption. Human Nature and the Reconstruction of Social Order*. Publisher: The Free Press, New York, USA, 1999;
47. Georgescu-Roegen, N. *The entropy law and the economic process*. Publisher: Harvard Univ. Press, Cambridge, Mass., UK, 1971;
48. Georgescu-Roegen, N. *Legea entropiei*, Publisher: Politică, Bucharest, Romania, 1979;
49. Vlăsceanu, L. 2002: Școala la răscruce. Schimbare și continuitate în curriculumul învățământului obligatoriu. *Studiu de impact*, Publisher: Polirom, Iași, Romania, 2002;
50. Werner, W. Which Socio-economic Model for Europe? *Inter Econ.* **2006** *41*, p. 4-23;
51. Munteanu, F. Studiu asupra abordării procesului de geostazie planetară, XI-th ed. Of the Annual Conference ASTR, Bucharest, Romania, 2017; pp. 200-205;

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