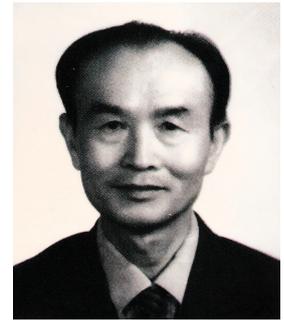


ARTICLE

Special Humankind's Role in the Universe: Smart Blue Planet of Coordinated Development Between Humankind and Nature



Song Shuwei

Institute of Sociology, Beijing Academy of Social Sciences

Abstract

Cosmology refers to the research on the whole universe and extends the study of humankind's position in the universe. This puts research on humankind beyond the research on the whole universe for carrying out separate exploration and is of special significance. Today, the scientific community finds that humankind, as intelligent living beings, is the "only", "only possible" or "very low-chance" smart life. Therefore, the word "wisdom" becomes the particularity of humankind in the universe. This article explores the important role of human wisdom from three aspects. (1) By combining wisdom with the basic principles of dialectical logic, the first type of logic, the essence of coordinated development of man and nature can be discovered, and the laws governing their inherent indispensable relationship can be found. Moreover, the earth can be given a new name: "smart blue planet with coordinated development between humankind and nature (hereinafter as SBP)". (2) By combining wisdom with the six categories of formal logic, the second type of logic, the inference, deduction and argumentation at the logical level can be carried out and the change of practical problems can be guided. (3) By combining wisdom with the applied mathematics of mathematical logic, the third type of logic, revelations from the laws governing the three eras of civilization can be absorbed, which will put forward a new series of sustainable development mechanisms, explore the laws governing time and space evolution in the whole universe in-depth and develop new forms of civilization.

I. Special Role of Human Wisdom

Cosmology calls for "study of the whole universe and extension to an exploration of man's role in the universe".

1. European and American experts proposed that humankind is the only intelligent life in the universe, so intelligent life is the particularity of the position of humankind in the universe. The definition

of wisdom in classics is the ability to discriminate, judge, and invent. It is combined with concepts, judgments, inferences, and proofs in logic and scientific methods to constitute a source of wisdom for the development and growth of human civilization. The history of human development witnessed a tremendous development of productive forces and

rapid progress in liberation of people's thoughts, great development of science and technology, industrialization, urbanization, and modernization in the Middle Ages and modern times, especially the Renaissance. Their positive energy was the satisfaction of the need for population growth and the need for economic and political competition. Their negative energy was great destruction of the ecological environment and great plunder of resources. Nowadays, the global climate became warmer, as Nature Communications reported: from next year (2020), it will become hotter and hotter for four consecutive years, and the emissions reduction plan in Paris Agreement cannot be realized. Scientists predict that after 100 years, the melting glaciers in the Arctic and the Antarctic will raise sea levels, waves will dash to the skies, and people will lose their shelters. This is deepening and intensifying the conflict between humankind and nature, and there are more severe crises. While examining the positive and negative energy, merits, faults, and responsibilities of human wisdom in it, it cannot be denied that wisdom has certain limitations in the development of human civilization, and this has to do with the "maidservant" restraint of the society's eagerness for quick success and instant benefit especially.

2. In particular, the outbreak of the novel coronavirus pneumonia pandemic and its ferocious and rapid spread caused a lot of deaths and make everyone nervous. This invisible ghost is wandering in the world day and night. In the past half-year, more than 15 million cases were confirmed positive for COVID-19. Compared with the destruction of the ecological environment

and climate warming since the above-mentioned industrialization, this disaster has several characteristics. First, it directly combats people in close quarters. Second, it is the most obvious proof of the intensified conflict between man and nature. Professor Walter Ian Lipkin, an American virus hunting expert, said that it came from wild animals. Then they passed the mutated virus to human "receptors" just like Monkey King went into Princess Iron Fan's stomach after mutation, so person-to-person infection occurred quickly (TV Program *Yang Lan One On One*. Episode "Virus Hunter": There Is No Evidence that COVID-19 Is Artificial). Third, wild animals spontaneously grow, live, and die without provoking human beings, but people hunt them to enjoy delicacies. In light of law and reason, people should examine their bad behavior; otherwise, it will bring greater consequences. Human being should wake up and must not fall into nightmares and die without knowing how. This is nature's cruel revenge on humans. Legislation should be stepped up today to strictly prohibit hunting of all wild animals by severely punishing offenders.

3. The "laurel (wisdom)" bestowed on mankind by the universe should be liberated, and efforts should be made for its sublimation. First, people should use wisdom to carefully discriminate and distinguish true and false concepts, prudently judge right and wrong, and boldly invent new technologies and create new things in particular.

People should especially use the ingenuity of wisdom to carefully distinguish right or wrong relationships between human and nature as mentioned above, and prudently judge whether human and nature are in an internal

relationship or an external hostile relationship. In particular, people should try their best to invent intelligent and clever techniques for correctly handling the relationship between humans and nature. To sum up, while exploring the objective laws of the universe, people should follow the path of necessity and freedom.

One of the important theoretical supports can be found in Jiang Pizhi's work *Interpretation on Hegel's Shorter Logic*, in which the author suggested that "Hegel's logic is composed of three parts: the study of being (also translated into ontology), the doctrine of essence and conceptualism." In particular, Hegel puts forward the concept that the essence is established between contradiction and unification. (Jiang Pizhi, 1980, pp2-5,) We now propose a new concept of wisdom—human is only a part and a very small part of the vast universe, all human activities must obey the unified laws of nature and then nature can appropriately meet certain human needs, and when the two sides are in a state of coordination and balance, man can merge into nature and develop smoothly. The earth with human inhabitants now should be entitled a new beautiful name: smart blue planet of coordinated development between humankind and nature.

4. Hegel, the founder of dialectical logic, proposed: "The nature of dialectical thinking... fully lies in grasping them in the unification of contradicting links" (Lenin, p115), and this is another important theoretical support. The nature of dialectical thinking lies in solving the contradiction between two opposing sides in "unification" to reach coordination and balance. Then in what ways can people reach the goal of such coordination and balance? Hegel proposed two ways: one is

to intensify and maximize contradiction first and then negate it; the other is that both sides in contradiction grasp themselves and the contradiction to promote their transformation in directions favorable to both of them. "Wisdom" proposed in SBP and "unification" proposed by Hegel play an equivalent and same position and role. However, in specifically solving contradiction or promoting the transformation of its position, wisdom can provide wittier and clever methods and ways.

5. This shows that the establishment of the SBP program fully complies with the basic principles of dialectical logic. In an investigation of environmental protection, I found two practical proofs. The first one is that during my visit to Switzerland, a professor said Switzerland could become a beautiful world park because its constitution stated that "whoever destroys a tree must plant another one". The second one is that when China's Beijing Taiji Computer Company began to build the factory on the site of the Asian Games venue, the government gave a strict order: the license of land occupiers would be immediately revoked if land occupiers fail to fulfill their duty of protecting the environment. Therefore, in the 20 years after the establishment of this factory, the Taiji Company stuck to carry out production while curbing the pollution; not only production increased, but it adhered to environmental protection standards.

The new theory of "smart blue planet of coordinated development between humankind and nature" has been reasoned with basic theories and proved by objective facts, and will be published soon. It will meet the needs of full victory in the current battle with novel coronavirus pneumonia

and elimination of its rebounds, make a good start in addressing the root cause, and lay a solid foundation for change in logical deduction, long-term sustainable development, and exploration of a new civilization.

II. Logical Hierarchy of Reasoning and Reform Measures

Aristotle's formal logic is mainly about *Wu Gong* (Five Concepts) and *Shi Lun* (Ten Categories). The five concepts that translated from Latin to Chinese by Li Zhizao are *Zong* (category), *Lei* (genus), *Shu* (differentia), *Du* (unique attribute), and *Yi* (accidental attribute). These five concepts are indeed very important to Aristotle's deductive logic. The ten categories also translated by Li Zhizao are *Ziliti* (substance), *Jihe* (quantity), *Hesi* (quality), *Hushi* (relation), *Heju* (place), *Tishi* (position), *Zanjiu* (time), *Deyou* (state), *Shizuo* (action), and *Chengshou* (passion). The above expertise is necessary to grasp reasoning methods of logic at different levels (Zhao, 1999, pp7-8).

In addition to the above concept of SBP, which is proposed as the means to resolve the basic contradiction in the relationship between humankind and nature, six reasoning and reform measures at the logical level are put forth to comprehensively analyze and solve the contradiction of imbalance between humankind and nature as a scientific approach.

1. Substance

Since the Industrial Revolution began two centuries ago, humankind has tried to conquer nature and waste its resources in response to the increasing human population and consumption of natural

resources. and that is the primary cause of environmental degradation. It violates the objective law of the development of the universe and nature. The main purpose of this paper is to restore the overturned human-nature relationship to reconfigure the human-nature relationship. From conquering nature to complying with nature, from grabbing to cherishing the resources, it will be an epoch-making historic change and an effective intervention program to fundamentally solve the ecological and environmental problems.

2. Quality

Replacing the outdated "treatment after pollution" environmental protection policy with the new policy of "treatment before pollution." For years, pollution has been allowed while treatment was neglected in the context of growth-, industrial wave-dominant economic development. As a result, pollution has risen, and the rate of environmental degradation has increased. Therefore, a worldwide environmental protection law should be established to carry out the policy of "treatment before pollution." Worldwide enterprises would adopt "two front lines and one point." The "two front lines" refers to the production and pollution treatment front lines, and the "one point" is a critical point for the human-nature coordinated development. It is the essence of achieving the overall goal of SBP. Then, coupled with the effect of conformity behavior, 80-90% of enterprises would gradually meet environmental protection criteria. The remaining 10-20% will be punished severely to reflect the seriousness of the violation. If this was carried out by millions of enterprises, it

would be a critical and major program to protect the global environment.

3. Relation

The long-term governmental ecological and environmental authority's unitary management system should be urgently reformed to a new environmental protection system incorporating worldwide masses, enterprises, and governments. This method can solve the contradictions among the people and promote the disclosure of ecological and environmental information through a coordinated and national approach. Ecological and environmental information should be fully and openly shared all around the world to improve environmental information disclosure. All stakeholders need to collaborate to solve the global environmental problems. It will build a natural and powerful ecological and environmental protection wall.

4. Quantity

Replacing the partial, discreet and unordered environmental protection network system with an entire, centralized, ordered, enormous Internet system, like building abscissa and ordinate on the earth surface. The ordinate indicates the parent system for the fusion of humankind to nature, and the sub-systems of economy, sci-tech, administration, culture, and education for the human relationship. The abscissa comprises the macroscopic system (UN), moderate-scope system (countries), and microscopic system (subsystems within a country). It will become an engine that will enable the whole world to actively promote the development of information civilization. The monitoring modes, modules, system intelligent platform, new partial differential equation, big data, cloud computing, and other operating systems

and mechanisms of the "Macro Environmental Protection Information System" will be applied for operations. By utilizing the super network system's real-time identification and obedience of nature's objective laws, humankind will have a reliable guarantee for the sustainable development of human society and the earth (Macro Environmental Protection Information System is another project of this research team, which includes Professor Song Shuwei, the general designer who proposes new theory; Professor Dai Jianzhong proposes new partial differential equations and scientific computing solutions; Zhu Tao, the computer expert who proposes the overall software system framework of this project; Ms. Guo Yue, the user experience designer who proposes a smart platform in software system; Dr. Li Zhangang who is engaged in research of legal issues of the project).

5. Action

Setting up a Global Ecological Environment Protection Supreme Management Committee. The famous modern cosmologist Stephen Hawking specifically presented that because there is a law like gravity, the universe can and will create itself from nothing in the manner described in Chapter 6. Spontaneous creation is the reason there is something rather than nothing, why the universe exists, why we exist. It is not necessary to invoke God to light the blue touch paper and set the universe going (da Rosa & Staffen, 2011, p227). That is to say, as the universe created itself, it can promote itself, manage itself, save itself and develop itself, etc. It may be induced that the universe can display resilience. After solving the fundamental concepts on ecological

environmental protection, selecting leadership is imperative to achieve sustainable development. So, Global Ecological Environment Protection Supreme Management Committee (short for SMC) should be established. It is critical for strengthening environmental protection.

The SMC, as the supreme organization that contributed to the ecological environmental protection and managed by humankind, would have a significant role in combining openness and integration in the field of new histology. The SMC's power and obligation are consistent and the Committee enjoys no more rights other than some proper rewards. The SMC would consist of representatives from all countries and all walks of life across the globe (with branches established in the countries). The members and workers need to possess the right qualifications, such as communication, delegating, motivation, etc. It is important to regularly evaluate each SMC employee. The SMC will have three major tasks. The first is supervising all global organizations to carry forward the "treatment before pollution" policy; the second one is amending previous major pollution problems; the third one is exploring potential ecological and environmental risks to have a risk management plan in place.

SMC would also have the task to establish the Global Nature Special Court with the grand justice directly elected by humankind for independent trials and severely punishing criminals for crimes against humanity.

6. Passion

Reform of UN's function and power. United Nations (UN), an organization

established after World War II, aims to carry out international cooperation, safeguard world peace, and promote economic development and cultural progress. Due to the divergence in ideologies and the competition for hegemony, the world has experienced the cold war, hot war, and continuous campaigns and collisions (though no world war) within the past 70 and more years. To its strengthen strengths, many countries have joined the arms race, grabbed resources, energetically developed economies at the price of increasing environmental pollution, resulting in continuous degradation of the ecological environment.

To sum up, to save humankind and the earth, the management power for environmental protection should be shifted to SMC. The practice of "being the judge and the athletes at the same time" should be given up. Since the establishment of the UN, this will be the first time that the UN has reformed itself, and it will also be the fundamental plan for its strong development.

In the future, the UN should fulfill its responsibilities as stipulated in its charter, strengthening international cooperation, safeguarding world peace, fighting hegemony, preventing armed conflicts, and energetically promoting social and economic development in the context of environmental protection. As a result, the UN can fulfill its assigned responsibilities, and humankind can live in a clean, safe, peaceful, and beautiful environment.

III. Inspiration of Regularity in Three Major Eras and New Series Mechanism for Sustainable Development

“A Contribution to the Critique of Political Economy” is a book by Karl Marx, published in 1859. In this book, Marx set forth three social forms in history (Marx, Dobb, & Ryazanskaya, 1971). The first is ancient agricultural civilization or the first era when human beings were unenlightened, afraid of “humankind’s dependence”, and worshiped God and spirits. The second is the modern industrial civilization. It is an era of “humankind’s independence based on the dependence on objects”. In the industrial society with developing technologies and a prosperous machine manufacture industry, humankind had its independence. It is the second era that arrogant people contradicted and struggled with nature intensely. The third social form is “the emergence of human being’s liberty based on individual’s all-round development and their common social productive forces and wealth which have seen a great increase.” Liberty is the understanding of humankind to the inevitable law of nature. The unity of consciousness and liberty complies with the dialectical law of the negation of negation from the slavish agricultural civilization to the struggling industrial civilization and then the smart, coordinated information civilization, and will surely broaden a new vision for the new third era (Marx, 1972, p104). (1) There are quite a few heritage sites of outdated agricultural civilization in the world. Slavish obedience and blindness must be given up through learning and following the unified law of nature. (2) Most regions in the world have access to industrial civilization. The main

task is to break the contradicting relationship between humankind and nature, respect nature, obey nature’s objective laws and enter the Information Civilization Era from the post-Industrial Civilization Era. (3)The world’s access in the Information Civilization Era means. (4) Comprehensively realizing the human-nature coordinated development, and completely solving environmental pollution, overconsumption of resources, and various calamities. (5) In the upcoming years, energetically reduce air pollution, water pollution, and soil pollution. (6) Starting from children, a lifelong universal education system about respecting nature will be pursued. Implement ecological and environmental protection cause to be controlled by the humans. All enterprises and units shall promote the “two-line and one point” normative system about coordinated development. Establish a special court of countries, international law, and nature, open the trial process and punish all criminals with iron law. Through the high-tech information technology of high intelligent internet ecological environment protection, big data, cloud computing, and so on, the developmental capabilities of our current and future generations will rapidly improve. It will continue to be passed down from generation to generation to achieve long-term and sustainable development. At that time, the world will be alive and green, and this planet will become a beautiful star with blue and rich treasures and sublimation of human wisdom.

(1) Large numbers of scientists will be mobilized and organized to work together in the study of scientific methods; to explore the unified laws of the universe within and outside the atmosphere, and to

explore special laws at their greatest, most essential depths.

(2) Organizing sophisticated scientists and brave innovators to team up and travel around the universe; if new “smart life” is discovered, then cooperating with them to develop new galaxies, build new civilizations as well as promotes the advancement of advanced civilizations in the overall space-time evolvement of the universe.

About the Author

Shuwei Song is the former director, research fellow and professor of Institute of Sociology, Beijing Academy of Social Sciences; executive vice president of Beijing Sociological Association; and counselor of Chinese Sociological Association; E-mail: shuwei1931@126.com.

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