

# FERTILISING THE UNIVERSE

## Sustainability as a Cosmic Quest\*

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*This Universe, in truth, in the beginning was nothing at all. There was no heaven, no earth, no atmosphere. This being, that was solely non-being, conceived a wish: 'May I be.' – Taittiriya Brahmana, 2.2.9.1*

Human mind has never been baffled from any thing as much as it has been from the Universe. All aspects of the Universe have always been a puzzle for human beings. Even the giant leaps in science and technology have not satiated our quests and imaginations about our Universe. The whole Universe is seated firmly in our minds and prompting us to solve its mysteries.

Science and technology have only led our thinking to analyse the whole Universe as a big machine and to confine the thinking of our being to Earth with a feeling of virtual rootlessness. No room in our thought system is left to realize the symphony of the whole Universe, vibrations of the Living Cosmos. We feel cut off from our own Universe. As if the Universe is nothing to do with the life and with the living planet! As if our life and our planet can exist in isolation and unfed by Universe. Our economic systems have emerged as the final source of the pride of our existence. These systems have further marginalised human life—depending human beings on indiscriminating exploitation of everything else and alienating us from the rest of the life forms. Human species is emerging victorious in the “Human versus Life War”. But this victory is only advancing us towards a doom.

It is also claimed that science and technology are basically responsible for our deeper understanding of the Universe. But it is not true. The Universe has been one of the most interesting subjects of discussion in our societies for thousand of years. We have been extraordinarily rich in our knowledge about cosmology. Our ancient scriptures are replete with the wisdom of Universe. We had developed our calendars based on the positions of celestial bodies. We could exactly calculate the positions of all the planets and moons and based on that we could easily and precisely forecast celestial events, like lunar and solar eclipses, Venus transit, etc. Our deeper understanding about our Universe helps link the condition of human mind with celestial bodies. Astronomy, astrology, futurology, etc. have been developed based on our deeper understanding about our Universe. And this understanding of the Universe had come in its extraordinarily advanced form much earlier than the advent of science and technology as of today.

Skolimowskian Philosophy – Eco-philosophy and Philosophy of Light – has thrown new light on the Universe helping us to feel the real beats and understand the quests of our Universe, and what are our responsibilities for our Universe. The Universe has to grow, evolve, create and sustain itself. And we are participatory in these processes of the Universe, for we have been so created by the Universe.

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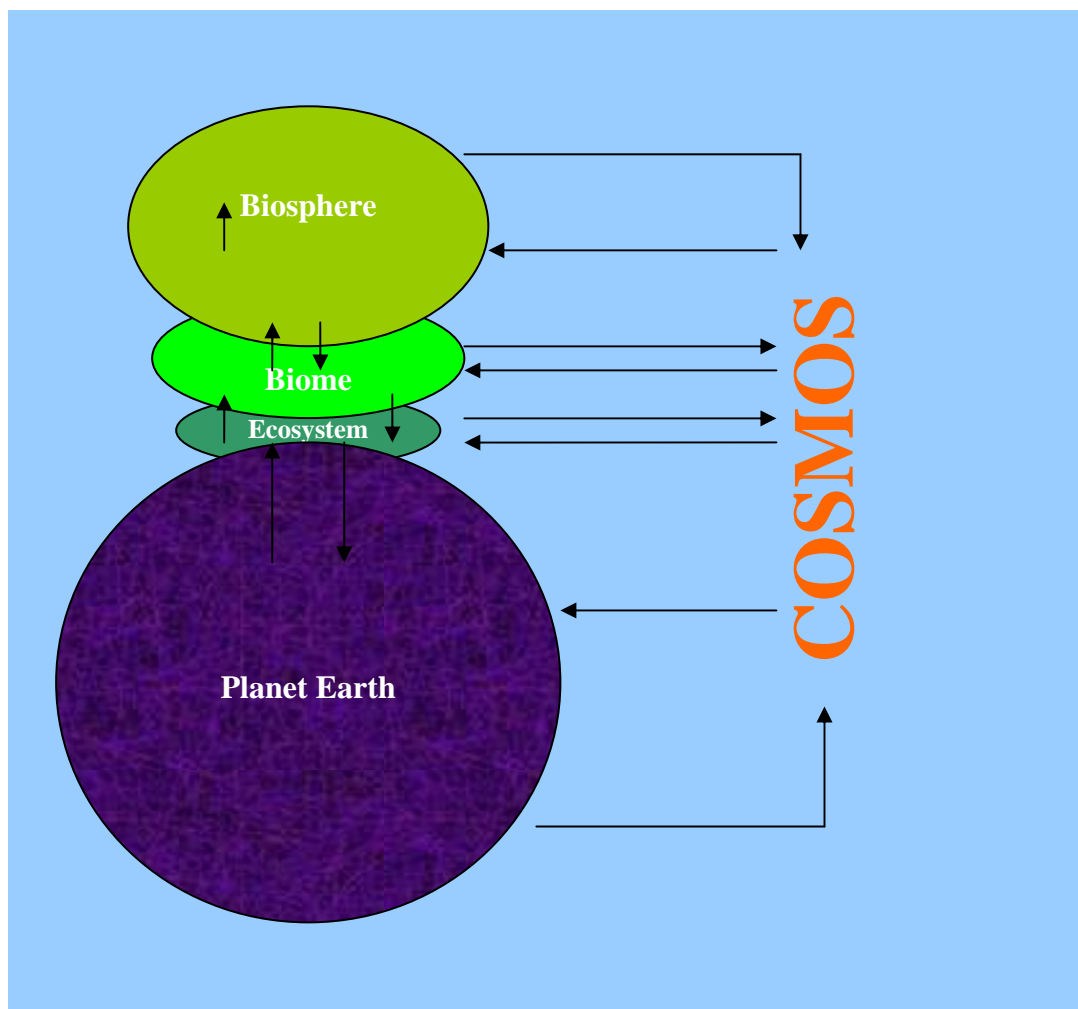
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## Sustainable Planet—A Cosmic Quest

*The idea of sustainability has no limits.* – Henryk Skolimowski

Living planet is an attribute of the whole Cosmos. Earth evolved into a living planet due to cosmic forces of sustainability. Evolution of life into individuals, into ecosystems, into biomes and eventually into biosphere on planet Earth is not an isolated phenomenon of the planet Earth, or confined only to Earth. It is a part of the whole story of the Cosmic Evolution.

Sustainability is not a target. It is a phenomenon that never comes to an end. Transcendental advancement towards sustainability is the Law of Evolution. Being in the state of sustainability is the Law of the Universe. Planet Earth attains sustainability through enhancing biodiversity. The higher the degree of biodiversity the higher the plane of sustainability. Evolution of biodiversity does not cease at a point of time. It goes on unceasingly. Constant enhancement of biodiversity is a phenomenon of the provision of resilience to life, which is an attribute of sustainability to life.



**Figure 1.** Life on Earth as an attribute of the Cosmos. Cosmos maintains its balance through the Living Planet, which maintains its ecological balance through its Living Systems.

It is through the evolution of ever increasing biodiversity that the planet Earth is blossoming with myriad varieties and species of plants, animals and microorganisms, ecosystems, landscapes and biomes and, in this way, the whole biosphere, is reverberating with plentiful life forms.

Life, that is the totality of biodiversity along with vital processes maintaining and enhancing biodiversity, is continuously nourished by light of the Universe and nutrients of the Earth. In other words, life is an attribute of the terrestrial as well as non-terrestrial forces. Life originated on Earth thanks to the universal powers. Life is sustaining on Earth on account of the cosmic energies.

Seeding of life on Earth was the first universal incidence towards its fertilisation. And it was an imperative for the destiny of the Universe—that is attainment of sustainability. Cosmic energies in the process of their creativity also generate entropy. If major chunk of the energies is involved in creativity, generation of entropy is avoided and the energies are turned positive. Life on Earth does do the same. It combats entropy by using most energy in the processes of its own maintenance, enhancement and sustenance.

The ecosystems, the biomes and the biosphere are the attributes of the Cosmos and, in turn, also contribute to the balance of the whole Cosmos. Planet Earth-Cosmos interface is depicted in Figure 1.

The living Earth thus combats entropy and this process helps the Universe maintain its balance by doing away the effects of negative energies. Blossoming of Earth with life is inevitable for the cosmic balance, beauty and sustainability. In the evolutionary journey of the Universe life is the most significant matrix to turn energies into creative channels and contribute to the sustainability of the whole Universe. Expansion of life in other parts of the Universe appears to be an apparent goal of the Universe, for that is an imperative of the destiny of the Universe.

## **Life-weaving Role of Light**

*Life is Light  
If only one living tree  
Was left on the earth  
It will be the source  
Resurrecting everything  
Because it is the light  
Which cannot be destroyed.*

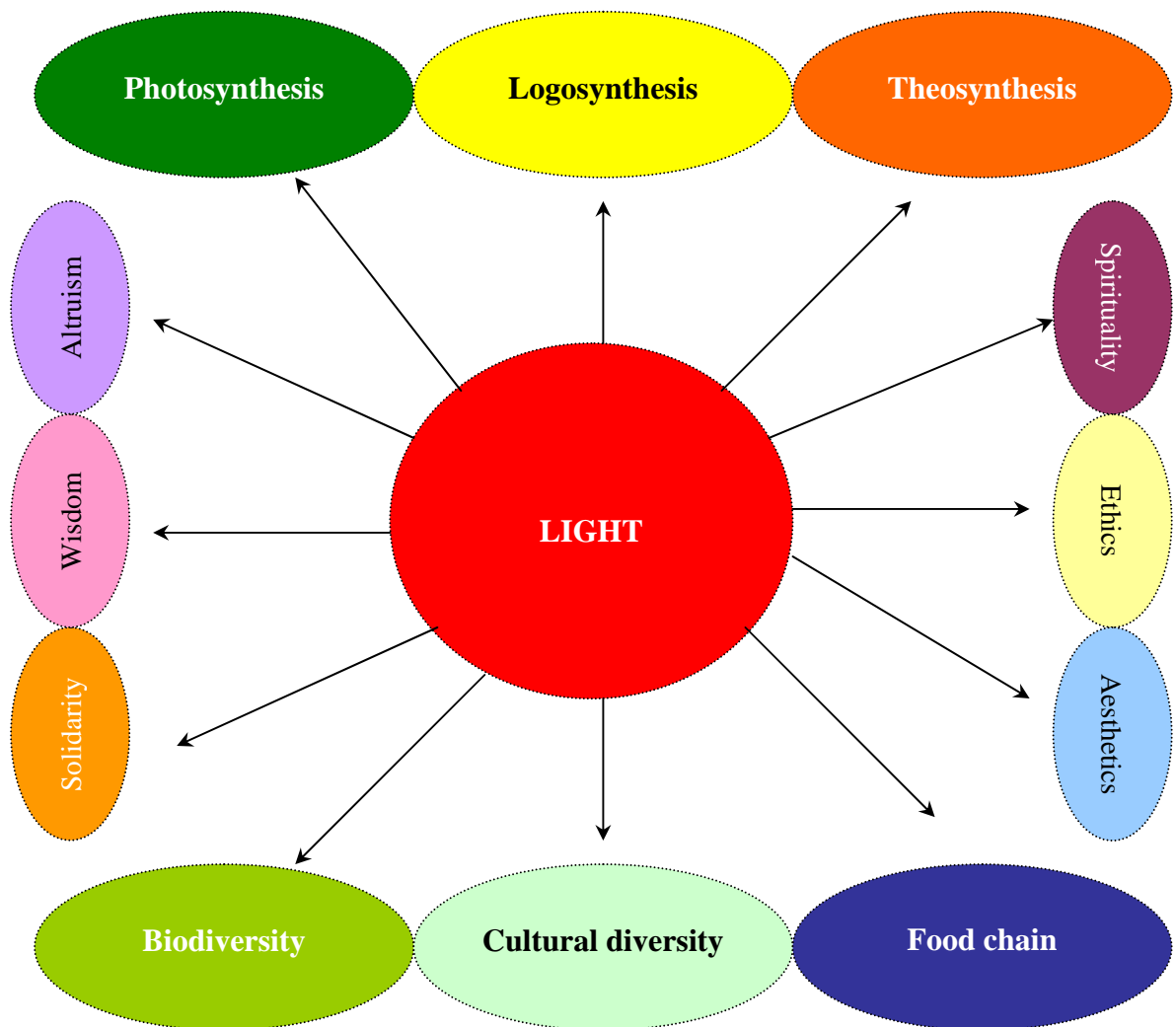
– Marianna Bocian

That Universe is desperately in the process of originating life in other parts of it appears to be due to the life-creating role of the all-pervading light. This emanates from Skolimowskian Philosophy of Light. Light is the ultimate source, a source of all sources in the Universe. Light is Alpha and Omega of all existence, as Skolimowski puts it.

Light begins transforming itself into life through photosynthesis. Chloroplast in the green plants in which the Light synthesizes itself into food, the source that keeps life

constantly reverberating in its fullness, was also originated through the action of Light. Henryk’s account of photosynthesis is wonderful: “Photosynthesis is exactly what it says: synthesizing Light into life. It was a real stroke of the genius of Light—to create life of itself. We need to ponder over this event for a while in order to comprehend what a miraculous thing it was: spinning life from itself.... This has been a quintessential mode of creation of Light.”

Light was the first source of energy. Nothing can work without energy. Matter tends to be in constant phase but energy always keeps in dynamism. It is energy that helps the matter break its static phase.



**Figure 2.** Attributes of Light in the creative Universe (adapted from Skolimowski).

This energy happened to be the source to bring the Universe we live in into existence. Nothing in this Universe is common except the all-pervading light. Light is a source of cohesion and solidarity, and holds the whole Universe in unison. Light keeps the whole Universe in movement, harmony and in perfect balance.

Energy works. Energy always works. Anything can refrain from doing work, but energy can never. It always has to work and causes everything to work. Energy does one kind or the other kind of work. If it has no channel to go into the creative direction, it enters into the state of entropy and assumes negative role. Entropy causes disorderliness and puts the things in a state of jeopardy.

If light transforms itself into life which is possible only through photosynthesis, the natural entropy is done away with. The light enters into creative channel. Disorderliness is brought into orderliness. The energy of light becomes part of the living system by transforming it into biochemical energy. Light makes creative channels for itself through photosynthesis. Light plays life-weaving role in order to combat cosmic entropy, a process that helps maintain balance, rhythm and beauty of the Cosmos. Blossoming life on the planet Earth is thus an effort of the Universe to evolve itself through sustainability.

The Mandala diagram of light suggests creative role of Light at various levels of nature and human consciousness and development (Fig. 2). Light holds everything intact, holistic and integrated. Holding together in unison is the characteristic of Light. This wonderful role of Light links human beings with the whole life and whole Cosmos. Role of Light at human consciousness guides human beings to act in tune with Light.

## **Biosphere—an Integrated Part of Photosphere**

*You have risen from light and to light you will return.* – Marianna Bocian

I call the Universe photosphere. Universe, in fact, is photosphere—the home of the Light. Two other associated and all-pervading phenomena are Evolution and Time. Evolution keeps the whole Universe dynamic, vibrant and in the state of transcendence. Time fixes a framework of life for everything. Anything born becomes inevitable to attain death or get destroyed thanks to Time.

Light, Evolution and Time are playing decisive role in the structure and functioning and sustainability of the Universe. Light-Evolution-Time, philosophically inferring, is the crux of the Universe. The whole Universe is wearing out, transcendently developing, and constantly renewing itself due to combined action of Light, Evolution and Time. Light, Evolution and Time are like Brahma, Vishnu and Mahesh in the Hindu Mythology—Light is the creator, Evolution nurturer, and Time destroyer. Light-Evolution-Time crux thus imparts a unique structure, symmetry, balance, cohesion, solidarity, integrity, beauty and sustainability to the Universe. The Light-Evolution-Time co-existence governs the whole Universe<sup>1</sup>

Biosphere is one tiny integrated part of the Photosphere where Light broods over life and illuminates all living beings. The biosphere is a great prop for the photosphere. Illumination sustains the whole Universe in perfect unison. Evolution and Time are also doing their job in perfect harmony with the Light. Biosphere is the transcendently higher state of the creativity of the photosphere.

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<sup>1</sup>Singh, V. 2009. Photosphere—The Universe of Light. (Based on the review of ‘The Everlasting Glory of Light’ Chapter of *The Lotus and the Mud: Autobiography of a Philosopher* by Henryk Skolimowski.



**Figure 3.** The Universe is Photosphere. Biosphere is a living part of the Photosphere. Biosphere is the transcendently higher state of the creativity of the Photosphere.

## **Imagination—the Power of Creativity**

*The only way of finding the limits of the possible is by going beyond them into the impossible.* – Arthur C Clarke

It is not science and technology that has provided us the knowledge about our Cosmos. It is the inherent human quest to deeply understand the whole he/ she is a part of. The deep quest is born out of imagination. Human's imaginativeness has been inherent with human evolution and is one of the attributes of human intelligence. Imagination helps us to stretch the scope of our understanding, our knowledge about everything we are unable to physically reach for. In the search for unimaginable, imagination is a very special attribute of human beings. Imagination is stronger than action, as Albert Einstein would say. Henryk Skolimowski regards imagination as a spiritual force and a superior expression of human intelligence.

Imagination is a unique attribute of human life helping us being on the course of acquiring what appears to be impossible to acquire. We are participatory in the creativity of the Universe. Human imagination is a cosmic attribute. Universe's imaginations are imbibing in us. Imaginations are part of the whole creativity the Universe engages us in. Imagination is a supreme power of creativity.

Imagination is one of the most beautiful aspects of our life. It warms up our blood. It charges our nerves with all enthusiasm and inquisitiveness. It brings us all ecstasies of our Universe. With the power of imagination we elevate ourselves to the highest plane

of living—being an extraordinary being and being a part of the superb creativity of the Universe.

Imagination induces, excites and inspires us to link ourselves with all horizons of creativity. Imagination is an inexhaustible source of all hopes we live with. Imagination is the Light through which we enlighten ourselves to take up a journey to seemingly impossible missions. Imagination is also an inexhaustible source from where we derive willpower. Through imagination we make impossible missions possible. Imagination is the vehicle for us to explore the whole Universe. Universe keeps us imaginative, for through imagination it keeps us engaged in transcendental course of our creativity.

Imagination is also a source of joy. A process that leads to creativity is joy. The whole Universe, in fact has come out of the joyful creativity, as Henryk Skolimowski says, “The Universe was created amidst the joyous celebrations of the original potency of the Cosmos. And so it is presented by the *Upanishads*, where Joy was born before gods, who came to existence only later. We can return to Joy through the acts of thinking and of being, which are infused with light and guided by light. From Joy we have come, to Joy we want to return.”

## **Creativity Leads to Sustainability**

*Whether you accept or reject the content of this cosmogony, one truth comes out of it: that behind all creative efforts in all spheres of life is an act of will. But what is will? Wherefrom does it originate? Will is a compound of the self and mind. – Swami Vivekananda in Complete Works 1972, vol. 6, p. 44.*

Imagination, Hope, right action, Joy and many other positive attributes of human life lead to Creativity. Creativity is a source of sustainability. Creativity extends from individual being to Cosmic Creativity. Cosmic Creativity and our creativity go along the same axis. Creativity is seldom target-oriented. If it is target-oriented it won't be sustainable. Creativity is always transcendental, without any end of its own. It transcendently grows into diversity and heterogeneity and leads to a state of climax. And climax is the source of beauty and beauty holds sustainability. A situation of climax is beautiful and sustainable. Sustainability is unattainable before reaching a situation of climax, which itself is attained through diversity and heterogeneity. Climax too is not a static condition. A static condition cannot be sustainable. Climax is also transcendental and leads to sustainability at higher and higher planes. What is climax, what is beautiful is sustainable. Sustainability maintains climax and beauty.

We can understand the creativity-sustainability interface by an example of a forest ecosystem. An area with bare rocks, after centuries of weathering, is turned into a grassland. Through succession it turns into a mix of grasses, other herbs and shrubs and eventually transforms into a mixed forest and consequently into a climax forest. A forest ecosystem upon reaching the climax splashes all the life-enhancing beauty and attains sustainability. In this state of being, an ecosystem performs its functions which are vital for the sustainability of life. Sustainability is thus function-oriented. Performance of functions of a forest ecosystem at climax, such as oxygen production, soil, water and biodiversity conservation, water circulation, climate building up and its maintenance, and all its ethical and aesthetic attributes are all vital for the sustainability. Sustainability of an ecosystem is a vital input for the sustainability at

higher levels—biomes, geographical regions and eventually at the level of biosphere and planet Earth.

A tree is an indicator of sustainability, but it cannot assure sustainability in its true meaning. Sustainability is realized at system's (eco-system's) level. An ecosystem represents a unique community. For example, a forest inhabits trees, shrubs, herbs, wildlife, and also human beings. All individuals in a community live in a unison, harmony and symbiosis.

A sustainable ecosystem or a community is an indicator of sustainable life. There are myriad ecosystems on Earth—deserts, mountains, wetlands, oceans, and the likes. They will be sustainable provided they attain and imbibe climax communities. A climax community reverberates with life in its fullness. Sustainable ecosystems need to be extended all over the Earth. Then we shall have sustainable biomes and, consequently, sustainable biosphere and eventually a sustainable planet.

## **Everlasting Beauty and Sustainability**

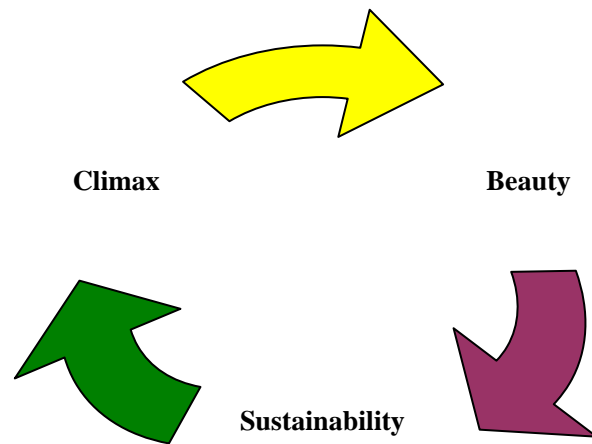
*Beauty is necessary for the human person. Without it we shrink. This shrinking is manifested in various civilisational diseases, in states of depression, apathy, hopelessness that jointly undercut the roots of our existence. Beauty is an expression of the coherence of life. Plotinus says that the more beautiful the object, the more intensively does it exist. This means that the more coherent and harmonious the objects of forms of life are, the more intensively they exist in the sense of the accumulated evolutionary potential through which the Majesty of Life is expressed. The great art of the past millennia has been received as great because of the power of wonderful energies and of life-enhancing coherence contained in it. Beauty is a mighty power. Plato called beauty a god. – Henryk Skolimowski & Juanita Skolimowski in *Towards Sculptures of Light* (1995)*

Synthesis of Beauty has been inherent with the evolution of the Universe. Beauty goes on enhancing with the transcendence of development and it reaches the climax when the Evolution attains the state of climax. A more diverse, resilient and vibrant system is more beautiful. A living system is more beautiful than the non-living system. Natural objects are more beautiful than the artificial ones. Natural landscapes that evoke beauty are the ones that convey the message of intensive and vibrant life. Himalayan peaks covered with snows look enchanting because they convey the message of life's sustainability emanating from recycling of life-sustaining water sprouting new hopes and renewability.

Beauty is an imperative for the enhancement of life. Sustainable life systems emanate beauty. Beauty is enchanting and demanding. Beauty creates attraction and attachment and generates love that explodes energy for creation. Beauty requires care in order to sustain itself. Beauty evokes a sense of responsibility that is must for the sake of beauty. Whatever is beautiful is worth possessing. We wish for more and more beauty. We wish to be amidst beauty. We can never think of divorcing beauty from our life, or we cannot live in our fullness. We make all efforts for being amidst beauty and to be a guardian and a custodian of beautiful things. We always make efforts to dispel ugliness from our environments, from our lives, from our world. Ugliness is opposed to beauty, for the ugliness is life-depressing and hopelessness-creating while beauty blooms with liveliness and hopes.

We wish for and make plans to visit to and dwell in the places with scenic beauty because the landscapes laden with variety of life forms exhilarate our individual life. Beauty thrills, beauty, excites, beauty stimulates, beauty elates, beauty lifts. Beauty is an inexhaustible source of joy. Beauty has the power of healing. Beauty illuminates soul. Beauty in fact is a food for the soul. Beauty enhances resilience, beauty enhances sustainability. The more beautiful a thing, individual, a place, or an area is the more sustainable will it be. Beauty prompts us to take care of the beautiful and apply all measures to protect, conserve, ameliorate and sustain everything beautiful.

The Universe is so beautiful. Everything in this vastest space is so enchanting, so beautiful, so much exciting, so much attractive! But what is most beautiful can be gauged through a glimpse of the planet Earth from the space. The Earth is a Blue Beauty. Yes, living Earth is the most beautiful planet in the whole Universe. The Universe has woven this beauty through the evolution of life. Universe in the course of its march towards sustainability is destined to assimilate beauty. Evolution of life, beauty and sustainability go hand in hand. Fertilisation of the Universe thus will amount to a Beauty Revolution at cosmic scale.



**Figure 4.** The Climax-Beauty-Sustainability interconnectedness.

Creativity essentially generates and expresses beauty in its myriad forms. Art and poetry are perhaps the most crucial sources to ameliorate beauty. Skolimowski regards traditional art as a custodian, ambassador, guardian and defender of beauty. Following extract from an article of Henryk Skolimowski on **Beauty and Why it is Necessary to Life** touches still the deeper aspects of beauty:

Beauty is not only an aesthetic aspect of things of which the world is made; it is not an ornament on the surface of things—without which the things would work just as well. No. Beauty is intrinsic, and essential to the very coherence, cohesion and existence of the world. Beauty is the invisible glue, which connects and binds things and structures, which work harmoniously and purposefully in this world.... When things and structures work most harmoniously, coherently and efficiently it is because somehow the force and imperative of beauty has been embodied in them.

Beauty, in a sense, is a sensuous appeal of light. All the colours that impart beauty and aesthetic values are reflections of light, a source of the Universal Creativity.

The Climax-Beauty-Sustainability interconnectedness spells the right direction of the creativity of Light-Evolution-Time crux of our Universe. Climax emanates beauty and the beauty sustainability. Sustainability emanates climax and beauty (Fig. 4) The Climax, the Beauty and the Sustainability are inseparable and exist in oneness and play life-enhancing role.

Human mind after reaching high state of consciousness is in ceaseless search of beauty, for that is an imperative of one's intensive existence, of one's own sustainability. Human mind always craves for beauty, for it always craves for sustainability. Let me reproduce my poem **Beauty is a Divine Gift**.

*Beauty is a divine gift.  
Beauty enlightens  
Body, mind and heart  
Beauty nourishes the soul.  
Beauty is a divine gift  
Every one has been desperate  
To search beauty.  
Life is but  
A ceaseless search of beauty.  
One searches it more and more  
But one craves for it more and more.*

*Beauty is a divine gift.  
There is beauty  
In every particle of nature,  
In trees, in bushes, in crops, in grasses,  
In the endless Dutch fields  
Blossoming with tulips,  
In the dew drops  
Hanging on the tips of grass blades,  
In summer drizzle,  
In winter snows,  
In twinkling stars,  
In the Galaxies sparkling the skies,  
In the luminous Moon,  
In the sun warming the Earth.  
Beauty is reigning over the whole Universe.*

*Beauty is a divine gift.  
The more intense it is  
The more soothing it is.  
The more it is searched  
The more it is wanted.  
Beauty is the unending desire  
Of the fulfilled soul,*

*Beauty is a command  
Of our pure conscience.*

*Beauty is a divine gift.  
Evolution is transcendently enhancing it.  
Universe is expanding  
So is beauty.  
There is boundless beauty everywhere  
We need to fill it within.  
We need to fill it within  
Because that brings joy for ever,  
That makes us love all life forms on Earth,  
That inspires us to save our Earth,  
That inspires us to preserve  
The beauty of our Universe.*

## **Humanity—the Fourth Dimension of the Cosmic Development**

*The conception of the Universe as home for man implies that we are its custodians, responsible for all there is, including our own fate. – Henryk Skolimowski*

Light, Evolution and Time are the combined powers to generate, operate and renew the Universe as we have seen above. These three powers have brought the life into the limelight of the Universe. These are also taking care of entire life by continuously evolving new species and their genotypes and ecosystems and thus the Universe is making its journey towards transcendental states of sustainability. Human species evolved in due course of the Light-Evolution-Time directed creativity. Human species in due course of time has become all-pivotal and a necessary dimension of cosmic development. Light-Evolution-Time-Humanity is, in essence, the crux of the development of the Universe. Before further elaborating on the anthropogenic dimension of cosmic development or cosmic sustainability, we must look at two crucial theories, the Theory of the Apoptosis of the Earth or the Theory of Gloom and the Theory of Fertilising the Universe or the Theory of Bloom.

### **Apoptosis of the Earth**

*Time I am, the great destroyer of the worlds. – Bhagwad-gita, 11.32*

Of late I was brooding over a theory—The Theory of the Earth's Apoptosis. Apoptosis is the programmed cell death. A cell attains death going through certain biochemical sequences. So does the living body—which is an extension of a living cell. Apoptosis is the basis of death that is certain for every being. Certain factors operating in a living cell are responsible for its apoptosis. Apoptosis is the Law of Life. It ensures renewal of life forms. Renewal (or rebirth, according to Hindu philosophy) of all beings is also the Law of Life and an imperative of life's sustainability.

An individual exists within a certain timeframe. Different timeframe is fixed for different individuals. Timescale for living individuals is different from the timescale for the cosmic bodies. Universal Clock nevertheless is one and common for all there

in the Universe. There is a Universal Time Scale (UTS) for a change to occur in the cosmic bodies.

Living Earth represents the oneness of whole life. If apoptosis were definite for a cell and consequently for an individual being, it has to be eventually extended to the whole of the Living Earth.

Human species is the first and the last factor to have induced the apoptosis of the living Earth. The whole of nature is at the command of this species which has been possible through extraordinary morphological features developed in the course of millions of years of the evolution of this species. Structure of human hand with unique placement of the thumb and empowered by extraordinary grip gave human beings extraordinary power to trample and exploit nature wantonly for their own benefits. Earth's turning into human monocultures due to all-pervading and unparalleled power of the *Homo sapiens*, deforestation and desertification, pollution of biosphere, extinction of numerous species, and more recently global warming and ominous climate change—aren't these the indicators of the apoptosis of the Living Planet? Is not the human species alone responsible for the apoptosis of the Living Planet?

## **Fertilising the Universe**

*The Universe is as it is because it meant to generate Intelligent Life.* – Henryk Skolimowski

Theory of Fertilising the Universe emanates from Skolimowskian Philosophy, which provides all glories to Universe, Light, Earth and human kind and which equates human species with god. Skolimowskian Eco-philosophy attempts to fill human beings with all potencies to heal themselves and heal the Earth. It regards ecology and spirituality as the two aspects of the same coin and enlightens human mind with beautiful ideas like ecology and sanctity of life, ecological dharma, ecological karma, ecological sanity, eco-justice, eco-ethics, eco-yoga, eco-crazy, ecological humanism, participatory Universe, evolution of ecological mind, cosmocracy, and many more exciting ideas generating enormous creative energy and bringing boundless enthusiasm and joy to life. “Earth as a Sanctuary” is the motto and ushering in an Ecological Age is the call of Eco-philosophy.

You are Evolution conscious in itself—this teaching of Skolimowskian Philosophy links us with the all-pervading power the Universe is at the command of—the Evolution. Universe is creating through you—this notion from the Skolimowskian Philosophy infuses in human beings a sense of Cosmic Responsibility. Our responsibilities are not so small. They are not to be kept in confinement. They are to extend to the most distant horizons.

How could it be that human species had to be evolved to put the whole life in doldrums? Universe creates through its power of Evolution, initiated by Light and regulated by Time. Evolution of the whole Universe goes together. Evolution does not and cannot work bit by bit. Universe is integrated. So is its all-pervading power of Evolution. Universe works in oneness. Evolution too does its creativity in oneness. Coming of human species into being could not be a peripheral process of Evolution. Evolution works successional and transcendental. Human species too embodies

successional and transcendental content of Evolution. Evolution is performing part of its duty through human beings. Universe is meant to generate Intelligent Life, according to the Skolimowskian doctrine.

One very interesting trait inhabiting human Mind is its participatory nature. Henryk Skolimowski has the following luminous views about the Participatory Mind:

“Mind is indeed a bondage” as the Upanishads maintain. But the ecological mind will be a source of liberation.... Every new dance starts in the mind. Our feet and limbs are but extensions of our mind...Indeed we must train the mind – our own mind and the minds of our children – via special exercises which make the mind an instrument of empathy a vehicle of compassion, a modus of thinking which does not incessantly cut, dissect and atomize, but one that integrates and heals.... The participatory mind must be as large and inventive as the Universe itself; for the Universe is a form of mind.

The Theory of Apoptosis of the Earth, i.e. the Theory of Gloom, therefore, should be dismissed. Human being is not to destroy the seeds of life, but is to spread seeds of life everywhere. The present scenario of gloom at the hands of the human species is thanks to the vicious cycle of unfair, unequal, exploitative capitalist economic systems. But the social being has also sought and is continuously seeking alternate ways of living and in due course of time will set on weaving sustainability-enhancing tactics of karma.

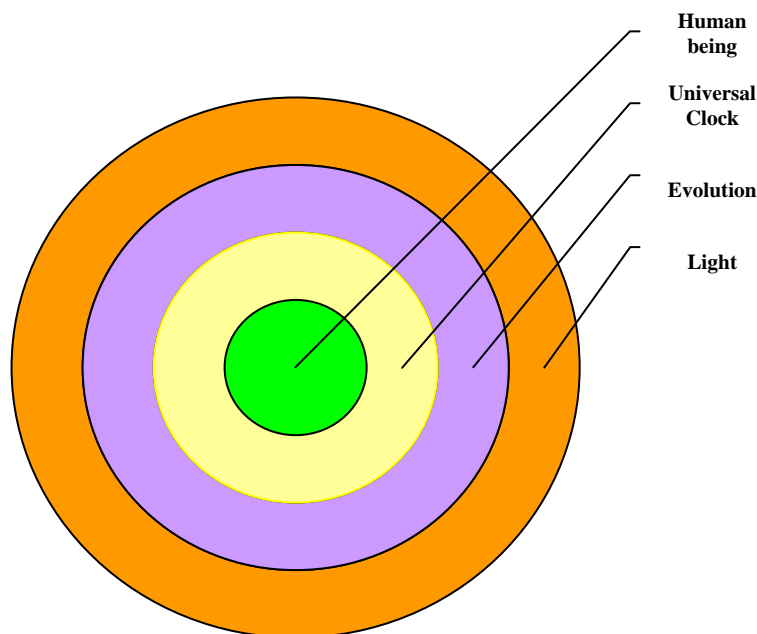
Human brain is one of the most exciting organs of nature and a unique gift of Evolution to the Universe. It is a wonderful researcher of the Cosmos. Henryk Skolimowski says, “Evolution has created a wonderful laboratory for itself in the bosom of nature.” This laboratory of nature is steadily unfolding the wonders of Universe. In fact, the Evolution itself is revealing its secrets and its lures through the human species gifted with the unique organ of the brain and a unique system called Mind. It is human Mind that is gifted with the powers of perceiving all processes in his surroundings and of perceiving the whole Cosmos and its wonders. The human Mind feels the pulse of the Cosmos and attempts to solve its puzzles, resolve its dilemmas. Human Mind is one of evolution’s pristine logos through which human beings attempt to articulate their unlimited willpower towards giving desirable shape to the things and transform their imaginations into reality. This role of human beings is to be justified by the Universe itself as one of its own creativities.

The Universe is dynamic. So is its biosphere on Earth. Human is the most dynamic being in the biosphere. He is the only being who can cross and has, in fact, crossed the limits of the planets. Not only has the human being explored the unlimited limits of the Universe through the use of his/ her highly evolved Mind, but has all set to reach for the so far unreachable destinations of the Universe. Human form of the Evolution, thus is the most dynamic form of Evolution itself capable of seeding life in the distant parts of the Universe. Human being is convincingly an ally of Evolution and the fourth dimension of Cosmic Development.

A sense of responsibility is a unique attribute associated with human Mind. It is the sense of responsibility which has to become a vehicle for humans to do what is most needed by our Universe. It is the sense of responsibility which inculcates in us a quest to keep our roots green, to keep the sources of our origin intact and our hopes blossoming. What is in the best interest of our Cosmos is in the best interest of our own and vice-versa.

“To be a human being is to live in the state of responsibility,” Skolimowski reminds, “Each of us is a carrier of responsibility, which goes beyond the boundaries of our little egos and our daily struggles.” Sense of responsibility is also transcendental. Rising from the planes of family and nation the sense of responsibility speaks of ecological renaissance, environmental cleanliness and of healing and revival of the planet Earth. Of course, all transcendental responsibilities are linked with each other and responsibility at each plane is of absolute importance.

The sense of responsibility is transcendently evolving to reach the highest plane of creativity—our responsibility to preserve the beauty and maintain the balance of our Universe. The cosmic responsibility is an extension of our responsibility for the Earth. If we honestly exercise our responsibility on Earth, we shall be able to extend the sphere of our responsibility to the whole Universe. Fertilizing the Universe is our supreme responsibility, for that is the highest plane of sustainability.



**Figure 5.** The “Light-Evolution-Time-Human” Power for fertilising the Universe.

Transcendental development of the inherently built Responsibility is induced by right philosophy of karma. Development of institutions starting from a family to a university has been vital for nourishing the sense of responsibility. Eco-philosophy

created and nourished by Henryk Skolimowski puts forth the higher planes of responsibility—Responsibility for the whole Universe.

The all-pervading Light-Evolution-Time-Human Power, as depicted in Figure 5, is all-potent to charge the Universe with life. In the Universal Yajna of Fertilising the Universe, human beings, being a compliment to Light, Evolution and Time, have to preserve, conserve, augment and fully assure complete bloom of life on Earth so that the Living Earth could disperse seeds of Life on other destinations of the Universe.

## **Ushering in a Sustainable Future**

*“Yes” to life, “No” to death. – Sunderlal Bahuguna*

At this juncture of time, the biggest challenge humanity faces is to usher in a sustainable future. There could be sustainable life. There could be sustainable planet. There could be sustainable Universe. But can the sustainability of future be assured? Yes, it can be provided sustainability of humanity is assured. Who will cherish, enjoy and celebrate this climax- and beauty-laden sustainability of the Universe? Of course, we, the human persons.

There was the Past of Time even without humanity. There was a Past of Time witnessed by humanity. We are now in the Present of the Time reverberating with oceans of humanity. Future of Time is also inevitable, even if we are not there. The Sustainable Future, as I visualize, is the one which is to be witnessed by a blossoming and flourishing humanity. Blossoming and flourishing humanity is not an isolated aspect of the Sustainability. It is an integral part of sustainability. The issue of sustainability, of course, basically emerges out of a scenario in which humanity finds itself difficult to usher in a sustainable future.

Sustainable future is dependent upon sustainable present. And sustainable present depends upon sustainable strategies and tactics of living. Humanity finds itself at stake because the non-human forms of life, or say, the entire nature minus humanity, have been and are being threatened and marginalized by the humanity. This phenomenon links itself with an unsustainable future for humanity.

Sustainable future can be assured by none but by human persons themselves. Humanity can blossom and flourish only amidst blossoming and flourishing life. Humanity is capable of putting everything back on the track of sustainability. Human persons accommodate all values and virtues of life as well as knowledge and wisdom through which ushering in a sustainable future can be ascertained.

The concept of the Sustainable Future ought to instill in human beings a sense of responsibility for taking care of the whole life out there and of the future generations. This concept also ought to augment the reverential attitude towards whole life and life-generating and life-sustaining phenomena and towards the whole Universe.

Fertilisation of the Universe would bear the Ultimate Sustainability that would pass through a Sustainable Future. Sustainable Future, indeed, is an imperative for a sustainable humanity. The Theory of Fertilising the Universe guides the humanity to

usher in a Sustainable Future. Hope of fertilising the Universe is hidden in the womb of Sustainable Future

## **The Earth: Democracy – The Cosmos: Cosmocracy**

*Democracy could survive only by delinking from capitalism.* – Karl Mannheim in *Man and Society in an Age of Reconstruction* (1940)

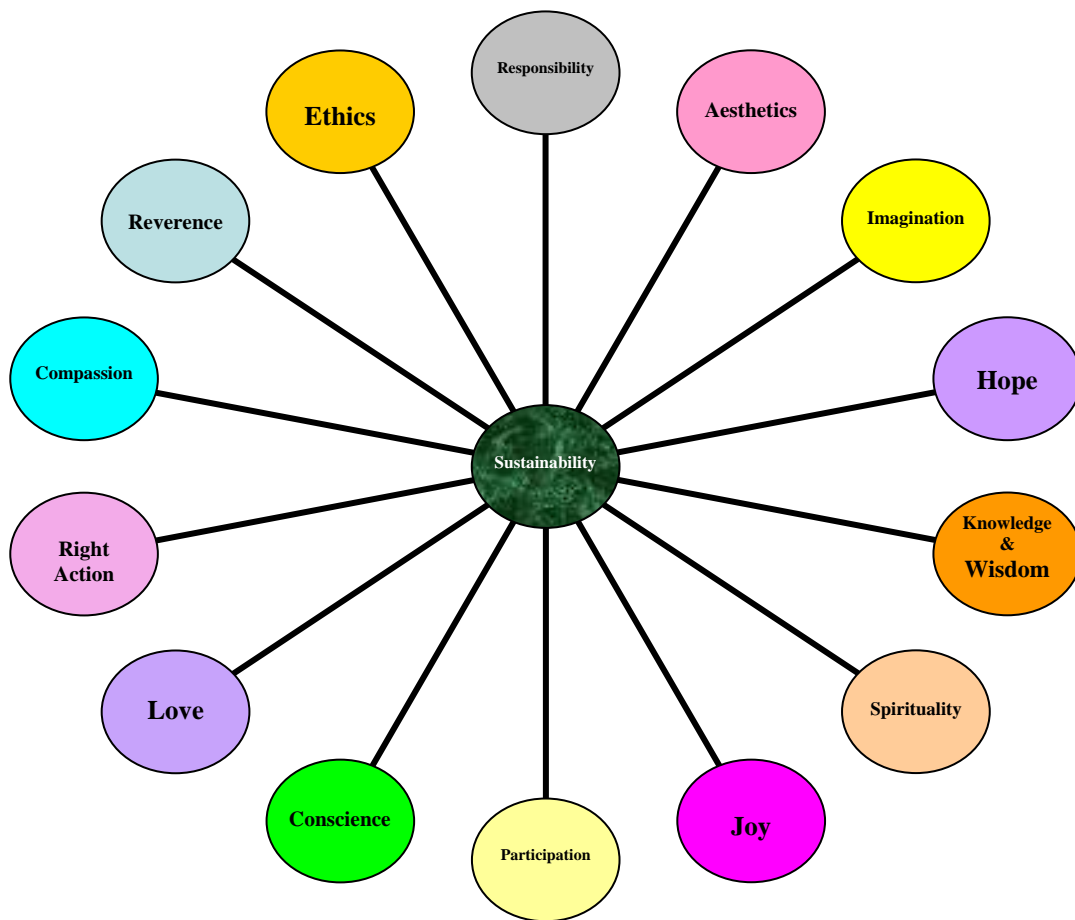
Skolimowskian concept of Cosmocracy which he has presented to the new civilization invites us to be a part of a democracy at the level of Universe. Eco-crazy, Eco-democracy, Cosmocracy have been coined by Skolimowski and infuse in us the wonderful ideas to redesign our thinking and systems of living at the cosmic level. Eco-crazy for him means ‘recognizing the power of nature and of life itself, means observing the limits of nature, designing with nature, not against it, creating ecologically sustainable systems, reverence for the planet– not its continuous plundering.’ He has his fingers on the pulse of Evolution. He opines, “We need new concepts to acknowledge the world we have created.” Elaborating his imaginative and, of course, implementable ideas he further writes, “Cosmocracy is one of such concepts – one of the new windows through which we can look onto the new worlds”. This is Henryk’s ‘proposal for re-arranging life in new life-forms – out of which a suitable, life-enhancing, non-exploitative forms of government will naturally follow’. Henryk believes in the power designed with nature and a sense of reverence for natural systems. He calls this system eco-crazy which ‘aims at sustainable systems which can support and bring wellbeing to human species and other species in the new millennia’.

Skolimowski does not think of five-year or ten-year plans or time-bound programmes. He thinks of millennia. He does not think merely of human race, but also of welfare of all species on Earth. This is the real path to sustainability. So interesting, so stimulating and so inspiring! The following lines from the Chapter on **Cosmocracy: As the Next Stage in the Development of Democracy** in his book *PHILOSOPHY FOR A NEW CIVILISATION* are worth quoting:

Universal democracy, when it is extended to all beings, becomes Cosmocracy. Cosmocracy simply signifies the recognition that all powers come from the Cosmos. Celebrating the Cosmos as the power-giver leads to a political system which is rooted not in one-sided notion of physical power, nor in the idea of Democracy for a select few, but in those tremendous forces which brought life and human societies to existence. Our global ecumenical thinking must inform us that we are all connected within the stupendous tapestry of the evolving Cosmos. This recognition must inform us that seeking justice, freedom and good life cannot be confined to a few select societies. **Cosmocracy is Democracy for the entire Cosmos.**

The Skolimowskian concept of Cosmocracy helps us to be on the higher paths of our duty. It also helps humanity to occupy central role and exercise cosmic responsibility in helping the life to blossom throughout the Universe. In essence, the concept of

Cosmocrafty strongly convinces us that in this Universe we are an ally of the Evolution that is responsible for cosmic development. Evolution has chosen us to share our responsibility in the evolution of the Universe.



**Figure 6.** Attributes of cosmic sustainability imbuing in human beings that would help fertilizing the Universe and establish Cosmocrafty.

Attributes imbuing in humanity such as those shown in Figure 6 direct the human beings lead to and maintain sustainability of life. These also happen to be of potential value for sustaining eco-democracy for all living species on Earth and these complemented with the all-pervading creative powers of the Universe – Light, Evolution and Time – would be instrumental in fertilising the Universe and establish Cosmocrafty. Cosmocrafty would be a melody of Life all over the Cosmos.

## Conclusion

*If you do not reach for the stars  
 You are not fully mature.  
 Small concerns will never make you  
 A great person, but only a fledgling.  
 Become mature!  
 This is the imperative of your destiny.*

– Henryk Skolimowski

Planet Earth is an integral part of the Universe. Evolution of life on Earth is an attribute of the whole Universe. Coming of life on Earth was the first ever event of the

fertilisation of the Universe. This event of fertilisation of the Universe which transformed planet Earth into a Living Planet has been of historical significance for the Universe. It struck the cosmic energy systems. A proportion of the cosmic energy which turned into entropy enabling to put the systems and things in disorderliness and jeopardy was overcome by life on the planet. The living planet thus is constantly combating cosmic entropy and contributing to the balance of the planet. The first historic event of the fertilisation of the Universe happened to impart stability, balance and coherence which are a must for the Universe to advance towards sustainability.

Sustainability of an individual species, of all species, of life as a whole, and of the living planet goes along the same process. In the same way sustainability of Earth and of the Universe as a whole is also a common phenomenon. Darwin's Theory of Evolution attempts to make a slice of the Evolution. His Theory keeps the Evolution confined only to the Earth. The Earth is kept isolated from the Universe. Integrity of the whole Cosmos has not been touched. He also attempts to describe Evolution in a simple linear fashion as if the cosmic factors were not involved in the process of the evolution of life on the Earth.

Sustainability is not static. It is attainable through a dynamic process which is successional and transcendental. Simplicity advances towards complexity, fragility towards resilience, monoculture towards diversity or heterogeneity, diversity towards extreme diversity eventually turning into a climax, a state of the things, structures and systems in perfect coherence, harmony and balance. And climax is beautiful and sustainable. Also, what is sustainable is climax and beauty. What is beautiful is the climax and sustainable.

On Earth, the ecosystems harbouring living communities of plants, animals and microorganisms are sustainable when they are in the climax state of their evolution. Climax is also not a halt for the Evolution. Nor is the climax a goal of the Evolution. Climax is currently the highest plane or situation of the Evolution in which life searches a new creativity of its own. A climax situation is beauty-laden and helps life elicit new dimensions of creativity. When ecosystems bloom with life at climax, the biomes, the higher levels of life's systems, are also in the state of sustainability. The blooming biomes are a condition for the sustainability of the whole of biosphere. And a biosphere reverberating with life at its fullness is a must for the sustainability of the planet Earth. The Living Planet is a member of the whole family of the Universe. Having infused life into one member of its family, the Universe is destined towards the next historic event of its fertilization—extension of life to other members of the Universe Family.

Light, the source of all sources and all creativity is destined to create life and fertilize the Universe. Light first created the Universe and then with its capability of transformation into Life began transforming mooring lands into green habitats with sowing of the seeds of Life on Earth. The omnipresent and all-pervading light has to play its potent role in other destinations of the Universe on which it falls. The Universe is Photosphere and the Photosphere is creative. Creativity of the Photosphere is to transcend into Life.

Evolution of human species is not for nothing. Evolution did take millions of years to arrive at its superb creation—the human being. Evolution has made humans its natural

ally in furthering the Cosmic Revolution witnessed by the fertilisation of the Universe. Human powers of conscience, ethics, aesthetics, spirituality, reverence, responsibility, imagination, hope, love, joy, justice, knowledge and wisdom, compassion, participation, and right action are pivotal for unique creativity leading to sustainability at every level and enter into arrangements like Cosmocracy.

The Theory of Apoptosis of Earth or the Theory of Gloom only suggests that human species plays a destructive role leading to the annihilation of life and life processes which is evident from the current scenarios of deforestation, desertification, species extinction, global warming and, most recently, the climate change. But recognizing this Theory would amount to question the powers of Light and Evolution and denying the superior and creativity-igniting qualities of humanity. The Theory of Apoptosis of the Earth is full of hopelessness and should therefore be dismissed. Instead, the Theory of Fertilising the Universe, which I also call the Theory of Bloom, upholds the integrity of the Cosmos of which the planet Earth is an indistinguishable member.

Ushering in a sustainable future, i.e. the future to be witnessed by blossoming and flourishing humanity, is a call of our times. The Concept of Sustainable Future instills in human beings a sense of care for the whole life, for future generations and for the whole Cosmos. It also directs us to pursue the strategies and tactics of life that lead to blossoming of humanity amidst blossoming of life. Fertilising the Universe is an urge of the Universe itself to usher in a Sustainable Future.

The Light-Evolution-Time-Human Power is decisive in fertilising the Universe, a potent process of the Cosmic Sustainability. Climax of life on Earth would be a precondition for the fertilisation of the Universe. Fertilisation of human mind with the Skolimowskian Eco-philosophy and Philosophy of Light would be of paramount value to see the fertilisation of the Universe becoming a reality with the pace of Universe Time Scale. Skolimowskian Eco-philosophy and Philosophy of Light will then embrace a new cosmological metaphor: THE UNIVERSE IS A SANCTUARY.

## APPENDIX

A Letter to Prof. Henryk Skolimowski

### **Seeding the Idea of Fertilising the Universe**

*The idea of Fertilising the Universe was plucked from an e-mail of Prof. Henryk Skolimowski in February 2008. The Sub: of the mail was Fertilising the Universe, although the content was entirely different, with no word in the mail about the subject of the mail. The idea was enchanting and reflecting some deeper core of the truth and generated a response in the form of the mail reproduced below.*

February 10, 2008

Dear Henryk,

Subject of your mail is beautiful: **Fertilizing the Universe**. It is not just a simple phrase or an idiom; it is a wonderful Theory, Henryk. Evolution of Earth in the Universe and transcendental development of Life on Earth and emergence of Earth as a living planet exemplify fertilization of the Universe.

Cosmic scale is different from our (anthropogenic) scales. You are rightly smelling fertilization of the Universe in the folds of Evolution much ahead its ushering in, perhaps millions or billions of years from now. You are, undoubtedly the first person to have foreseen it. Congrats, Henryk. Evolution would transcendently take Universe into that state in due course of time (time according to a Cosmic scale: our whole lifetime is just a twinkling of the Cosmic times).

Charles Darwin in his Theory of Evolution made an attempt to fragment our Universe in our minds. He saw evolution of life on Earth as an isolated phenomenon, and, thus also tried to annex our Earth from the Universe. He was parochial in his approach. Your Theory of Fertilizing the Universe is the pragmatic one, for it conceives the whole family of the Earth, without which annihilation of the Universe is imminent.

Sustainability too was not conceived in Cosmic context. Brudtland's myopic vision could not help her to look beyond 'sustainable' development. The real pragmatic issue of sustainability (if analysed through Cosmic integrity) is tied with the Universal phenomenon. Sustainable development is merely a thread of the living systems of the Earth. There is no room for the sanctity of life in this concept of Brudtland. Skolimowskian Theory of Cosmocracy conceives the sustainability of the Universe as a contribution of the living Earth. Sustainable development on Earth should emanate from this phenomenon. If there is no enhancement of life on Earth, sustainable development would have no meaning. I would be unsustainable and would die of natural death. Life on Earth is an attribute of the Universe. Sustainability of our systems is thanks to blossoming of life, and life, according to Skolimowskian Theory of Cosmocracy, combats the extremely devastating Cosmic entropy (that has power to tear our Universe apart or to put it in the state of 'divine doldrums') and helps put our Cosmos in balance.

Sustainability is sustainability. This phenomenon cannot be seen in fragments. Sustainability phenomenon is also tied with the Evolution, and Evolution of the whole Universe is one.

It is our duty, therefore, to ensure that the Evolution is successional. That, in turn, would be ensured when our planet – the most beautiful blue planet of the Universe – is laden with

plentiful life, the climax of life. Evolution is not segmental and never assumes any halt. Evolution of life on Earth is intricately woven with that of the Universe.

Life continues to be in evolution. But life on Earth, haplessly, is at the dictates of human species. Earth's becoming a monoculture of a single species is not conducive to its Evolution to the climax stage. Evolution is not always successional, it might be retrogressive (such as conversion of a forest area into a desert). If the human species does not obey Evolution of life by keeping Evolution into successional fashion, it would amount to an irreversible disservice to the living Earth, to the Universe ready for its fertilization. Since human species is not isolated from the laws of Universe, it would also amount to the irreparable loss to this species with high probability of its extinction.

Skolimowskian Theory of Cosmocracy is very convincing when it highlights the pivotal role of the living Earth in maintaining the balance of the Cosmos by combating the devastating Cosmic entropy. This Theory cannot be disputed by any one. Even the biologists, ecologists, cosmologists, astronomers and philosophers would support this Skolimowskian Theory (congrats, Henryk). This Theory would further support your notion: Fertilizing the Universe. This is not merely a notion. This, let me say it again, is a wonderful Theory to work upon.

Universe needs to be fertilized. Evolution would do it in due course of Universe Time Scale (let me abbreviate it as UTS). Who would celebrate this fertilization of the Universe? Of, course, we the human species, *Homo sapiens*. Skolimowskian Theory Fertilizing the Universe would also infer:

1. Natural evolution always tends to be in its successional track and destined to attain a climax.
2. Climax of Evolution of life on Earth would be a precondition to the fertilization of the Universe.
3. Fertilization of the Universe would amount to dispersal of the seeds of life after climax of Evolution of life on Earth and, in due course of UTS, blossoming of Living Galaxies hither and thither in the vastest and infinite Universe.
4. The Living Galaxies would help absorb Universal entropy and putting our Universe in the state of sustainability.
5. Supreme responsibility of the fertilization of the Universe lies on our species. Earth – and therefore its climax species, the *Homo sapiens* – would be at the heart of the Fertilization of the Universe phenomenon. Fertilization of the human mind with Eco-philosophy would be phenomenal to the Fertilization of the Universe.

This Theory of yours, which still needs to be elaborated and articulated, is yet one of your other nicest gifts to the humanity in the Third Millennium. Thank you, Henryk.

With my kind regards and love to you,  
Yours sincerely,

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