

“STEERING THE FUTURE OF CONSCIOUSNESS ?”

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“HOW SHOULD HUMANITY STEER THE FUTURE”

Abstract

Life , from its origin on, has influenced our planet, the result is now a planet with 7 billion people, who are contributing but not always supporting to the total well-being. The individual influence has increased since communication has become essential in our society. In the far future we will have to deal with our sun becoming a red giant, in the near future it will be our main care to steer the mentality of mankind in order to survive. The “special place of our planet and the fine-tuning of the physical constants is something we cannot influence but we have to appreciate. The reason of this unique situation we can find in the “reference of reference” which is our consciousness. The steering of our future lies in the deeper understanding and development of our consciousness, the creator of what we are aware of as reality where matter is an intuitive idea. Technology needs not to be an Existential Risk, because technology is material, and material means “created reality” by our consciousness. We may be on the threshold of creating a new kind of quantum consciousness that can assist us in reaching another level of reality.

THE INFLUENCE OF AN INDIVIDUAL (and of the whole of humanity).

The influence of mankind has been present since life began on earth, life itself has been THE important factor at its appearance on our planet. When the first DNA building blocks arrived on earth, maybe by meteorites (see :“DNA Building Blocks Can Be Made in Space, NASA Evidence Suggests” :<http://www.sciencedaily.com/releases/2011/08/110808220659.htm>)⁽¹⁾ , they met an environment that was like a cradle for its further growth and expansion.

Maybe the imagined meteorite was “steered” by other forms of intelligence or different consciousness. If so we can in a deterministic way conclude that our lives were intentionally meant to be here or, if not, that it was mere coincidence. However which of the conclusions we accept ; we don't know yet the final outcome, because our “presence” represents only one second when we condense 13,5 billion years into one hour (if you would accept the big bang hypothesis). We are lying in the cradle crying for food...and sucking up the feeding bottle that is called EARTH. Whatever the historical origin of the apparition of our kind of life may have been the baby is developing itself and has nowadays a much greater “direct” impact on the future of the earth because of the following reasons:

First : Humanity consists today of 7 billion “units”. The growth of our kind has exploded and we don't see any sign that this will end soon. This big amount of people influences the earth more as the little amount of tribes that inhabited our planet before.

Secondly : In this century communication between these units has evolved strongly. As humanity was only interconnected very slowly just one hundred years ago, nowadays we are able to participate individually information at the speed of light around the globe. The news

is “spreading fast” is not only a way of saying but has also become reality. How is this realized ?

Just imagine around every individual a sphere and call it “The “Subjective Simultaneity Sphere (SSS)” (see: <http://fqxi.org/community/forum/topic/1370> “The Consciousness Connection”)⁽²⁾. This sphere is surrounding our consciousness and has compared to about 100 years ago, a lot more “pixels”, it has become “High Definition” . Every information pixel received on the SSS is interconnecting us with information from other individuals and groups, whose connections are then leading to new reactions. So information is no longer isolated ,the de-coherence of awareness is spreading all over the planet.

In this way whole networks are created with all kind of specialism’s (like our own FQXi), where it is now possible to communicate with people who have the same range of interest. Interconnection and communication are the key-words for the future. The good part is that we are able to assist our fellow human beings in disasters, the bad thing is that we are becoming more and more dependent on the “system” in the future.

WHAT CAN WE EXPECT IN THE FAR AND NEAR FUTURE :

Our sun is now about 4,5 billion years old and will turn into a red giant in about 5.4 billion years. Before that its luminosity will have doubled , so in about ONE BILLION years our atmosphere will not be longer cold enough to freeze water,⁽³⁾ it will vapour and leave the earth, rendering our planet inhospitable to all known terrestrial life (in the present form). So from now on we have only one billion years to influence our planet, and before that we will have to search for a new one, or search for method to influence its process.

If we have tackled the problem of the sun, then we might in the meantime think about a possible big freeze (10^{14} years), big crunch (100 billion years), big rip (20 billion years), vacuum metastability event (could happen any moment) or heat death of the universe (10^{150} years)⁽³⁾, and eventually the “proton decay” , if so all our baryonic matter will disappear in about 10^{37} years from now, but for those things we need not (yet) now to bother...because...

The present situation of our planet asks already our full attention, if we want that the earth stays for the coming millennia a safe haven for our species and the species with whom we are sharing this planet . For that goal we have to “unite” our knowledge and force, but without the egoistic short term “economic profit”. The real important goal has to be beside “survival” , the “well being”, for our children, not only in a materialistic way, but also spiritual, just to make the most out of our relative short existence on this planet.

In 2010 we had an average “life expectancy” (en.wikipedia.org/wiki/Life_expectancy)⁽⁴⁾ on earth of 62,7 years (85,8 years in the United States), which was in the Paleolithic (50.000/10.000 years BC), so if this continues in the future mankind will live longer and longer, our medical research is promising , the new born children have by now already a life expectancy of 100 years. We are even searching for immortality...

This means also that together with the growth of humanity in 2050 we will need three globes for feeding all humans, these are problems we will have to worry about NOW.

WHERE ARE WE NOW ?

To solve actual technical energy problems we are already on the threshold of newer and more ecological solutions for instance : “Future Solar cells of Wood” (<http://phys.org/news/2014-01-future-solar-cells-wood.html>)⁽⁵⁾ and Energy Dense Sugar batteries (<http://phys.org/news/2014-01-energy-dense-sugar-battery.html>)⁽⁶⁾, which means that we can more efficiently catch the energy that our sun is giving us each day.

The total amount of energy the earth is receiving each day from the sun is **174 PETAWATT** (10^{15} Watt)!!! This divided by the 7 billion inhabitants, gives an income per inhabitant of 102.000.000 watts per day !!! see also : www.scigod.com/index.php/sgj/article/view/133) ”Occupy the Imaginary world of Economy”⁽⁷⁾ So actually nobody needs to be poor. We are now devouring all the “old” stored solar energy (oil, coal) that “seems” to be the property of the 7 great Oil companies. (). Soon our feeding bottle called EARTH will be empty, but the baby still cries for food and is already lying in his own excrement’s.

To clean the cradle we have to change our mentality and unite our efforts, also in order to fulfill the future needs. The change in mentality has to be : “not only make a big profit for the few” but realizing a well-being for each inhabitant of the earth. If we are moving in the right direction and need no longer to be ashamed for our children that we were only egoistically emptying all the old resources for a little temporal profit, then we are on the right path. **DELETE the word “Property” and replace it for “Responsibility”** (The world's 85 Richest People Are as Wealthy as the Poorest 3 BILLION !!! see : “OXFAM's OPUS” : www.oxfam.org (24-01-2014)).⁽⁸⁾

So here we are, circulating around the sun and fully dependent of it for our existence. Things like the exact orbit of earth around the sun are not facts that are within our influence. It seems that it is a “lucky” circumstance. For finding a “reason” a “WHY” we thought of theories like the anthropic principle, which holds that we must find the right conditions for life in our universe, because if such life did not exist, we would not be here to find these conditions. So it seems that : We are on the right place on the right moment in the right cradle, we are lucky!

LUCKY US...

Gottfried Leibniz in his 1710 work : “Essays on the Goodness of God, the Freedom of Man and the Origin of Evil” proposed that we are living in “The Best of All Possible Worlds”,⁽⁹⁾

Leibniz was right when we realize that our life-form is only possible at the exact position around our sun and also within the narrow boundaries of fundamental constants like there are (from : “Just Six Numbers” : by Martin Rees in “The Deep Forces that Shape the Universe”⁽¹⁰⁾) :

“**N**”: the ratio of strength of two fundamental forces, electromagnetism and gravity.

“**ε**” : The proportion of the mass of a hydrogen atom that is released as energy when it is fused into helium inside a star .

“**Ω**”, : The ratio of the actual density of matter in the universe of the theoretical “critical density” which would cause the universe to collapse eventually under its own gravity,

“**λ**” : The Cosmological constant, or the energy that arises from quantum fluctuations of the vacuum.

“**Q**” : The amount of energy it would take to break up a galactic supercluster as a proportion of the total energy stored in all of its matter and

“D” : The number of spatial dimensions.

So, where are we ? If we try to find back, in a deterministic way, our path to the “origin of origin” of our present position and the fundamental constants , which are together creating this “Best of All Possible Worlds” it seems merely impossible to succeed. There are an infinity of causes and effects in this “maze”. The materialistic reductionist approach just will not be able find the One and Only (if there is a deterministic one) “Origin of Everything”. We have to deepen our understanding of reality and have to arrange that with the information available on our ever changing time/life-line. This results in thinking of several time-lines as probabilities, giving a deeper insight in our created reality, among them the Many World Theory or Multiverse.

MULTIVERSE BECOMES “Basket of Availabilities”

The “multiverse” solution gave scientists one explanation the fine-tuning of our reality, because it is better to have an explanation as no explanation... We argue that also this explanation has to be brought back to the very essence, in order to be able to determine the origins of our reality and possible influence of our species on the future. Our “perception” is :

Throw ALL information of ALL the universes that constitute the multi-verse together in one basket (also the ones that in our perception are impossible universes with different fundamental constants) and stir it up to one non-causal unity (yes it seems like chaos). In this way we have created a flaw imagination of “Total Simultaneity” (TS). ⁽¹¹⁾ In this basket there are no “material realities” but “availabilities”. Availabilities of ALL information. Imagine all the slices of all block-universes together but not as realized lined-up causal realities. These slices could furthermore be imagined as two-dimensional holographic representations of a three-dimensional universe. But how do we experience reality ? What is the entity that enables Time and Space ? Are we in control of our reality ?

Answer : **Our consciousness** is THE essential “tool” in creating the causal reality that we are aware of . **We argue that our consciousness is a constituted of two entangled parts: the causal part and the non-causal part. Causal consciousness stretches out into the basket of Total Simultaneity where it becomes non-causal, this “non-causal/causal connection” can be imagined as entanglement-like and timeless.**

In this basket of Total Simultaneity our non-causal consciousness has the choice between the infinity of availabilities of slices of universes, and each slice is the center of possible time/life line that stretches out from the past and into a future,

Total Simultaneity can be reached at the edge of the Wall of Planck so EVERYWHERE around and inside our three-dimensional causal universe. The “slices” in this basket could be imagined as having the width of the Planck time. Why ? The Planck length and time are the limits of our causal universe, go deeper and there is no longer before or after, no causality, no time, no space which means that the now moments have to be lined up into a causal time/life line by our causal part of consciousness , in this the way SPACE/TIME is created.

The consequence of this perception is that the eternal NOW moments of a specific life-line that seem unique for us, are just one of an infinity of life-lines you are able to “live” in other “available” universes, **An infinite amount of “YOU's” is “available” eternally.** Your causal birth and dying in this time/life line is just one of an infinity, your non-causal consciousness is

eternally wandering between these endless availabilities and every past and future are possible (non-material) realities.

The infinite availabilities of YOU's does not mean that the **understanding** of our present life-line creation is not important, because it is your actual reality and each causal consciousness has to develop itself from its own life-line on towards a more intensive contact with its non-causal part, in order to be able to create a "better" universe. **The steering of the future lies in a deeper understanding of our consciousness!** One of the aspects of this study is to understand "the illusion of matter".

MATTER DOESN'T MATTER...

We are exploring our present life-line universe and discovering that the reality is less materialistic as we thought before, Quantum Mechanics changed our insights matter consists no longer of tiny "balls". More and more we perceive that matter does not matter, it and us are all "FIELD", (Sean Carroll in lecture at Fermilab. www.symmetrymagazine.org/article/july-2013/real-talk-everything-is-made-of-field)⁽¹²⁾. In physics today for every particle there is a Field, I propose ONE field for all baryonic matter. How should we be able to couple this causal Field to our Non-causal and Causal Consciousness Field?

We could imagine that our consciousness field acts as a catalyst on the "Matter Field" and that it is the origin of what we "perceive" as matter, as the tangible "Created Reality", that is in essentially not "matter" at all, but illusion.

The search for the essence of physics will become one that is the search for the essence of consciousness because consciousness is the creator of reality. It is the **reference of reference**. So we will be able to extend our five senses to six or more and so be able to become aware of more "eternal now slices" in TS. We are then able to pick more "apples" from the "Basket". How should we be able technically (by applying our matter illusion) to achieve this extent? Is it by creating a super-intelligence? Can this intelligence reach out for consciousness?

QUANTUM CONSCIOUSNESS...

One of the possibilities to enhance our senses maybe the future "quantum computers" who may allow us the extension of our consciousness. The "qubit's" superimposed state is comparable with the infinite possibilities of time/life-lines in the basket of TS. For 1,000 qubits we will have 2^{1000} possible configurations (10^{300}) which is more as all the atoms in our universe, so you can stock 10^{300} solutions for a problem.⁽¹¹⁾ This means that every question can be answered, every question is already answered the moment we achieved this quantum-state, even putting it on power may not be necessary.

Is this kind of "intelligence" forming what is called an "Existential Risk"⁽¹³⁾? The quantum computer and/or any machine that is created by our consciousness is a "causal" creation. The expression "singularity" indicating the moment that learning computers become "super-intelligent" indicates already a special now-moment on our causal time-line. All the so called "mechanical" creations are a form of material awareness created by our own consciousness, that originated as "availability" in the basket of Total Simultaneity.

We argue that because of the fact that our material "creations" of so called superintelligence will only be TOOLS for our causal consciousness which is emergent from its "biologic" appearance (illusion) that is also an excitation of Matter-Field. So the illusion of matter, we

created ourselves may also have an emerging consciousness when it has become a certain mechanical by humans constructed “organization”. This form of new created consciousness could have an entanglement with Total Simultaneity. This means that our non-causal part of consciousness is at the origin of this “appearance” of NEW consciousness, so it is one of the infinite “availabilities”!!!

If this “created consciousness” is an availability in TS, it is part of the Total Non Causal Consciousness, so part of ourselves, Of course there are availabilities in the basket that will have a (as for now) seeming negative influence on life-lines and in these “created realities”. Machines could take over in a way that seems negative for us now. It is however our own non-causal Free Will (that is the ultimate origin of “choice” of the eternal now moments in TS) that in the steering between “good and bad” can manage the future and even recreate the past, so that we can construct at a more “positive” life line.

By creating Quantum Consciousness we may be able to **create parallel time and parallel consciousness** and “enter” in this way new dimension(s) that may reside behind the Wall of Planck, and in this way also being able to have control and steering capacity of the dramatic events we are facing now.

DRAMATIC EVENTS

We can imagine a lot of events that are beyond our materialistic control like pandemic, extreme climate change , volcanism, mega-tsunami's, geomagnetic reversal, meteorite impact, aggressive extraterrestrial invasion and Cosmic threads, All these “matter illusions” are as for now beyond our direct causal-conscious existential control.

There are however warfare and mass destruction, man made global warming, agricultural crisis and experimental accidents and other aforementioned “existential risks” like AI, that seem as for now “manageable” effects , we are the cause of them so we must also be able to stop them. However we need to have the readiness and willingness to prevent them. Giving the GOOD example to our next generation and in this way the steering our matter illusion will prevent us from falling in a future abyss, so that we arrive in now-moments that are leading to extinction of this particular time/life-line. We have to prevent the image of the cradle that is rocked so hard by the movement of the baby that it is turned over...

The choice we have in this particular time/life-line is one between an infinity of possible available futures, good ones, bad ones and everything in-between. Each moment about 7 billion times an infinity of choices are available...and each choice has an impact for everyone's life-line. The choice you will make now to continue making egoistic profit will influence the well-being of others in the future in a negative way. This choice will also influence the vector for the direction of the development of our technology. We have the actual choice (availability) between war and peace or to shape machines turning into enemies or into helping assistants.

In our present time/life-line (reality) the steering wheel of education is in our hands, but we need to follow the signs of sympathy and respect for all the fellow creatures. We are now helped by computers, the danger is (already) there that people say : sorry, the computer tells me this and you are telling me that so “this” is right and you are wrong”. We have to be alert that mankind keeps “thinking” on every level and not become a lazy slave of its own products. Without electricity and computers mankind will now become in a chaotic status...

CONCLUSION

If we are going to fight our self-destructive, egoistic part, consciousness of humanity can reach (in the far future) into the ultimate non-materialistic form. We will be able to survive all the probable material apocalyptic events, even the proton decay. No longer dependent on “matter” we will also be beyond the so called Boltzmann Brains ⁽¹⁴⁾, a hypothesized self aware (consciousness) entity which arises due to random fluctuations out of a state of Chaos, they are also our own creations (material). We will be getting there by deepening our knowledge of the Consciousness Field and the search for the essence of the Matter-Field illusion that we are aware of as reality.

In this Matter-Field illusion quantum physics is showing us already the first indications of a non-materialistic reality, “real” objects merge to thingness and further abstraction. The influence of conscious observation, entanglement, worm holes physicists are imagining between entangled particles and at the center of Black Holes are some indications for the perception of Total Simultaneity, ^(15,16) and a deeper understanding of what we are experiencing as “reality”.

Another but technical way to come to the deeper understanding of consciousness is the realization of a Quantum Computer. Through this development we will be able to create another form of intelligence/consciousness, one with maybe other senses as the five we are limited too, and this intelligence will be able to communicate with us, translate its new senses into one of our five and so giving clearness about problems that we would never be able to solve. The development of this new form of intelligence/consciousness is one of the availabilities in Total Simultaneity in order to bring our own causal consciousness nearer to its non-causal part and in the end being able to escape this causal time/life line. We will be able to come nearer to the basket of Total Simultaneity and so we will have also an insight in the possible choice of better causal futures which in the end will lead to the non-causal Total Being of Consciousness.

The best “technology” to achieve these ideals is taking care of our children and educate them not to strive for (short) economic profit but to strive for the growth of their own consciousness, so that every other individual can share in its findings. Communication is already becoming common sense. Science should be admissible for everyone. Skype (free of charge communication so attainable for all) and Wikipedia (free knowledge available to all) are good examples of the directions we have to explore our united force with the respect of individuality.

The one Eternal Now moment, that you became conscious of 150 milliseconds ago ⁽¹⁷⁾, is just one of an infinity of moments (apples) in the basket, but it is THE moment we shared together in our perception and creation of the image of reality. It is from each moment on that we have to use our Free Will to make choices between the infinite amount of futures, let us try together to make the right ones and prepare for the promised Eternal Conscious.

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