

Geopolitics of Climate Change:

The Future of Tao and Quantum Buddhism¹

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Abstract:

From Rio to Rio with Kyoto, Copenhagen, Durban and Paris in between, the conclusion remains the same: There is fundamental disagreement on the realities of this planet and the ways we can tackle them.

What is the relation between Buddhism and the Climate Change? Well, far more than it appears on the first glance. A decisive breakthrough would necessitate both wider contexts and a larger participatory base to identify problems, to formulate policies, to broaden and to synchronize our actions. Still, who in politics is sincerely motivated for the long-range and far reaching policies? This does not pay off politically as such policies are often too complex and too time-consuming to survive the frequency and span of national elections as well as the taste or comprehension of the median voter.

Our crisis is deep and structural: it is a recession of courage, retreat of our ideas, all which leads us into a deep, moral abyss.

Key words:

Rio Summit, Greece, de-carbonization, reptilian complex, limbic drives, cerebral cortex, culture of species, cosmos, light, astrophysics, anthropotechniques, horizontality, quantum biology, Buddhism, Tao, technology, evolution, energy, quantum physics, Max Planck, Tesla, defensive modernization, environmental holocaust, sovereign debt crisis, civilizational imperatives

From Rio to Rio with Kyoto, Copenhagen and Durban in between Paris right after and the recent China's G-20, the conclusion remains the same: There is fundamental disagreement on the realities of this planet and the ways we can address them.

A decisive breakthrough would necessitate both wider contexts and a larger participatory base to identify problems, to formulate policies, to broaden and to synchronize our actions. Luminaries from the world of science, philosophy, religion, culture and sports have been invited to each of these major gatherings. But, they – as usual – have served as side-events

¹ The very term 'Quantum Buddhism' is coined by Graham Smetham, author of the book: *Quantum Buddhism: Dancing in Emptiness*.

panelists, while only the politicians make decisions. Who in politics is sincerely motivated for the long-range and far reaching policies? This does not pay off politically as such policies are often too complex and too time-consuming to survive the frequency and span of national elections as well as the taste or comprehension of the median voter.

Our global crisis is not environmental, financial or politico-economic. Deep and structural, this is a crisis of thought, a recession of courage, of our ideas, all which leads us into a deep, moral abyss. Small wonder, there was very little headway made at the Rio+20, Paris Summit and beyond.

*Between the fear that the inevitable will happen and the lame hope that it still wouldn't, we have lived... That what can be and doesn't have to be, at the end, surrenders to something that was meant to be...*²

If the subatomic world surface to an atomic, quantum scientist (or metaphysicist) invites physicist. If atoms are creating an advanced molecule, physicists can call up the chemists. If such an organic molecule evolves too complex for the chemists, they shift it over to the biologists. If a biological system is too composite, they hand it over to the socio-politologists, or the psychologists, at best. If that biota becomes overwhelmingly complex, one needs geopolitics to connect (all) inorganic and organic systems into a coherent space-time storyline.³ Do we really behave this way?

Enlightened Behind or dead Ahead?

Is Greece (or Spain) lagging 20 years behind the rest of the EU or is Greece today well ahead of the rest of the continent, which will face a similar fate two decades from now?⁴ Beyond the usual political rhetoric, this is the question that many circles in Europe and elsewhere are discreetly, but thoroughly discussing. In a larger context, the intriguing intellectual debates are heating up.

Issues are fundamental: Why has science converted into religion? Practiced economy is based on the over 200-years old liberal theory of Adam Smith and the over 300-years old philosophy of Hobbes and Locke— basically, frozen and rigidly canonized into a strict exegesis. Academic debate has been replaced by a blind obedience to old 'scientific' dogmas.⁵

² Taken from *Bosnian Chronicle* by Ivo Andric, the 1961 winner of the Nobel Prize in literature.

³ Initial line, hereby considerably adjusted and expanded by author, taken from Carl Sagan.

⁴ For example, one of the eldest world dailies, *Wiener Zeitung* published since 1703, brings a cover page with the following title "In zwanzig Jahren sind wir alle Griechen" (In 20 years we will all be Greeks). WZ, 10 March 2012.

⁵ Belief is confidence (promise of certainty), knowledge is evidence (probabilistic estimate of truth/insight into a coherent reality). Other word for religion is compliance; other word for science is doubt. Liberal, mesmerizing and attractive as it might be, "science is open-minded because it has no agenda", as Mlodinow says. Enhancing good and avoiding evil is eternal inspiration for spirituality as well as the declared moral charge of any organized religion. Thus, it was maybe religion indeed that tranquilized, bonded and soul-deepened humanity in the course of centuries. Still, it was science and its approach to coherence of reality that steered up mankind towards a dwell of (applicable) knowledge previously unattainable by any other medium/means. Ergo, if pre-conscripted and canonized, that is never a science. It can only be a lame obedience.

Why has religion been transformed into confrontational political doctrine (holy scripts are misinterpreted and ideologically misused in Europe, the Middle East, Asia, the Americas and Africa)? Why have (secular or theological) ethics been turned from bio-centric comprehension into anthropocentric environmental egotism and ignorance (treating nature as property, rather than a coherent system that contextualizes our very life)? Why are – despite all our research studies, institutions and instruments – planetary inequalities and exclusions widening? Why has been our freedom reduced to a lame *here-us-now* choice to consume?

Why doesn't the achieved degree of our economic development and stage of our technological advancement enable society for self-realization?⁶ To the contrary, our democracies are in retreat, our visions are exhausted and self-confidence depleted, while the socio-cultural and political participatory base is thinning. After all, is Rio ahead of itself 20 and 25 years later?

The resonance of these vital debates is gradually reaching the public. No one can yet predict the range and scope of their responses, internally and externally. One thing is certain though: The simple mechanical transmission of global economic (and regional monetary) integration cannot be a substitute for any viable postindustrial, knowledge-based development strategy, scientific advancement or cultural endorsement. Even less so, it can substitute for any social cohesion and the cross-generational contract, environmental needs (including the biocapacity and biodiversity), or maintaining general public mental and physical health.

(Tao)⁷ Creek, not only Greek

By roughly summing up the data provided by the World Bank and OECD, the world's gross annual output is somewhere between €85 and 95 trillions (thousand billions). Servicing of different loans and related interest rates to public and private debts, *per annum*, cumulatively costs this planet some € 195 to 210 trillions. In simple terms, it means we produce 1, but owe 2 to the different credit institutions.⁸ How can it be that year after year we work harder and harder, but are still becoming socio-economically poorer and culturally pauperized, while *generational accounting* gives us a worrying future prospect?

Is our environmental situation any better? By applying the same data's ecological footprint ratios, mankind annually extracts from the ecosystem the biomatter and minerals for 1, out of which only 10% end up as a final product. At the same time, we pollute waters, land, air and near outer space with non-degradable and/or toxic, solid or aerosol, particles and noise for 2. Despite all the purifiers, cleaners, separators, distillations, silencers and filters, our surroundings are becoming filthier and filthier. Does this earn the right to be called

⁶ The innovative, pioneer work of prof. Veenhoven (from the Erasmus University of Rotterdam) on the World Database of Happiness is chronically underfunded ever since established in 1998, although representing an extraordinary and indispensable research of its kind. In his unique narrative of 1972, the 4th King of Bhutan (Jigme Singye Wangchuck) reaffirmed the centuries old national code of conduct: "if the government cannot create happiness (dekid) for its people, there is no purpose for the Government to exist". Thus, the concept of the GNH (Gross National Happiness) is even embedded in the Bhutan's constitution (Article 9) as an alternative to the generally practiced GDP. This fact is largely ignored by practitioners and academia. Seems, as if nobody in today's world is interested in pursuit of happiness.

⁷ Tao (Chinese 道; pinyin) literary means 'The Path'. In the larger context of ancient Chinese thought, it catalyzed the LaoTze-an foundation of the later philosophical and religious/esoteric conscripts.

⁸ Some 25 years ago, the value of overall global financial transactions was 12 times the entire world's gross annual product. By the end of 2015, it was nearly 75 times as big. (Surely, noting of it is taxed.)

‘development’ at all? Over centuries, especially in the last decades, we indeed intensified, rationalized and optimized our economic activities as well as related technologies and information flows. Still, could it be that despite our push with the right intensity, the overall direction of that push is wrong?⁹

To answer these simply-worded but questions of sensitive and complex (selfhood) meaning, we definitely have to enlarge the context. For that sake, let’s return to Greece.

First, a few words about a term in frequent common use: cosmos. The expression *cosmos* itself is of Greek origins (κόσμος) and means: a harmony, perfect order,¹⁰ and is opposite to the Greek word *khaos/chaos* (χάος), which means: confusion, disorder, asynchrony (also an unordered and formless primordial mass or even nothingness). The fascinating classic-Greek mythology thoroughly describes the creation of the world, as an event marked by the final victory of the forces of cosmos over the forces of chaos. It is a thrilling ancient text, marvelous in its beauty and symbolism.

“You Are the Sunshine of My Life...”¹¹

In the modern scientific and philosophical (or astronomic, esoteric and theological) sense, the word cosmos should describe (a dependent origination of) everything (of the manifested, comprehensible and visible universe as well as the non-comprehensible potentiality and invisible universes/multiverse) that nature and/or God has created.¹² As everything that has been, is and will ever be conceived as a time–space, matter–energy and force (with all the properties and all their conceivable aggregate states/stages, elevations and degrees), particle – wave-function (consciousness-information), cosmos is nature and/or God itself. It is all that ever begins (from), lasts (with/in) and ends in (returns to) the quantum field.

Contemporary astrophysics claims that the known or comprehensible universe is expanding, still being powered by the quantum event generally referred to in literature as the big-bang (or perhaps the Higgs Boson particle recently reviled by CERN). Up to now, there is no general

⁹ E.g. There is not a single peer-reviewed international journal that has published even one scientific article in the last 30 years which reports on factual evidences that any organic (marine and continental biota) or inorganic (soil, glaciers, water, polar caps, etc) system is doing better on this planet. There has not been a single RE or UN report in the last 30 years that credibly denies a worrying increase in severity and frequency of “natural” catastrophes worldwide. Finally, there is not a single internationally recognized medical journal that has not been constantly reporting on an alarming increase in skin-cancers, respiratory and allergy related diseases for the past 30 years. (To put aside the alarming studies on the severe impact of the so-called video media entertainment on the early neurological development of children and the overall mental and physical health of youth – as none of these games is either evolutionary or bio-neurologically justified for a proper development of the child’s cerebral cortex/neuroplasticity.) Hence, all the planetary systems are in retreat; drifting, decomposing, malfunctioning, rarefying, and vanishing. Instead of a resolute action to change our dangerous patterns, the only self-assuring comfort comes from our ignorance and anti-intellectual urge to escapism (by waiting for a while and then offering more of the same).

¹⁰ Ancient Chinese Mandarin translates the word ‘cosmos’ as *yuzhou* (宇宙). Astonishingly precise, even for Einstein’s relativity, this literally means space–time (宇 *yu* – space & 宙 *zhou* – time). Indeed, observing skies above us is always both a space and a time travel. (Or to say; above us is a welkin of visualized time.) While the most of modern European languages use either Greek (*cosmos*) or Latin (*universe*) word, Southern Slavs have nearly esoteric term *svemir* (Russian *вселенная*): ‘omnipresent tranquility’ (*sve* – overall/total, *mir* – peace, harmony). Ergo, *universe* must be *Uni-Verse* = One Song/Tune.

¹¹ Taken from Stevie Wonder’s song: ‘You are the Sunshine of My Life’ (1973).

¹² Our cosmos is a finite but borderless everexpanding (non-linear) multiverse. It can be tentatively illustrated as something spherical, quite much as a surface of Earth that expands, plus 2-3 (non-areal) dimensions including the quantum one, too. Our universe/multiverse is relative in its contents (of histories and manifestations), and their constellations, but (to us) is absolute in its (space-time) omnipresence. Or, as Sagan beautifully concludes: ‘The Cosmos is all that is or ever was or ever will be.’

consensus of the scientific community on what is the property (nature) of the invisible, inter-stellar and inter-galactic space (dark matter). However, it is certain that the visible stellar universe is mainly composed of two elements only: helium and hydrogen. Thus, stars – this backbone of the universe – are predominantly (to 99%) made of these two elements. Tantalizingly enough, the colony of progressing biped primates, while evenly spreading over this planet, has developed a strong technological, civilizational and physiological culture of addiction to a completely other element: carbon.

Earth is practically bathing in immense spectrums of sun-rays. This solar radiation that our star supplies above us is practically an infinite source of energy.¹³ The core of our mother planet is still kinetically and thermally very active, meaning that humans in fact sit atop a source of inexhaustible energy provided by the gravitational, magnetic and seismic events and enormous residual geothermal heat of the Earth.

How did we – advanced civilization – miss this? Residing between two infinite energy aggregators, how did we end up with hydrocarbons – with the carbonized remains of passed life? How did we end up tapping just a thin upper lithosphere and keep obsessively digging and drilling for fossil fuels? How did we develop this necrophilic obsession?¹⁴ How did we manage to focus our human and economic development on carbons, and steadily develop the so-called ‘technologies’ that apparently take us right into a collision course with the universe and with everything that surrounds our biosphere? Why do we keep mankind enveloped in an exhausting competition and dangerous confrontation over a tiny, finite portion of fossilized carbons situated beneath the surface of our habitat? Finally, do we so live *cosmos* or *chaos*?!

How did things go wrong in the first place? Evolutionarily, our 2-million-year history as hunters-gatherers – exposed to stark scarcities, rival gangs of humans and other predators, permanent seasonal oscillations, harsh climatic and topographic conditions, constituting an integral part of the natural food-chain¹⁵ – has taught us to observe things sequentially, horizontally, territorially, and linearly. Not cognitively. That’s how we – through the primordial mechanical solidarity of an endangered, insecure herd – learned to prolong our existence at the expense of other living creatures, even turning their fossilized remains into *fuel*.

¹³ According to the WMO (World Meteorological Organization), the solar energy reaching the earth surface by far exceeds the global energy production of mankind – over 20,000 times. That means that our PEM (primary energy mix) has to provide us with the current amounts for 20,000 consecutive years to reach the scale of what solar radiation supplies us with annually, all for free!!

¹⁴ We falsely believed, throughout the 20th century, that the nuclear holocaust will put an end to the entire human race. No! It will be a slow, nearly-unnoticed, gradual but steady construction of the global gas chamber – of the troposphere filled by the green-house gas emissions. Certainly, no other species on this planet are both biotrophic and necrotrophic, at the same time highly corrosive. Hence, the way we extract, produce, transport, distribute and consume, the way we keep all this running on a blind obedience to fossil hydrocarbons, and finally **the way how we do reflect**, contemplate and **study on** all that, inevitably **takes us right into the environmental holocaust**.

¹⁵ It seems that the latest discoveries on the dynamics of property are indicating that the photosynthesis (a fundamental process of biology that creates life on the bottom of the food-chain. By capturing carbon dioxide, it supplies the upper echelons of this chain with a released oxygen and provides a carbon-hydrate caloric food) is powered by the quantum event. Consequently, a new discipline – quantum biology by words of Graham Fleming, a physical/biodynamics chemist – suggests ‘*that the quantum mechanical effect might be the key to the ability of green plants, through photosynthesis, to almost instantly transfer stellar/solar energy from molecules in light harvesting complexes to molecules in electrochemical reaction centers.*’ This simply means that electrons quantumly test out all available paths and ‘choose’ the most efficient one. It represents an almost conscious decision in which a quantum mechanical exploration is conducted, and then also quantum mechanically the most accurate pathway is selected to do the instant and highly efficient transfer.

“Get your kicks on Route 66...”¹⁶

Admittedly, the way we are developing and deploying the anthropotechniques indicates that we did not manage to depart significantly from the central pre-cognitive challenge which we humans share with all other planetary forms of life – survival.¹⁷ Our central cognitive question, a quest that should largely distinguish us from all other living forms: *What am I doing here?*, or *How can I bridge my past, my presence, with my future?* – remains largely unanswered. Our ‘developmental’ palliatives are corrosive, autistic, particularized, aggressive, reactive, incoherent, and harming for this planet and its life. Rigid in a dynamic environment, we are still captivated by the horizontalities of our insecure existence, all which conditioned our lower laying brain foundations throughout our 2-million-year long hominid history.¹⁸

Anthropology usually differentiates *homo sapiens* (as an early, primitive hominine/homo) from *homo sapiens sapiens* (advanced, modern man). By relating our species to its ability to extract and consume calories with the help of different anthropotechniques¹⁹ (presently called technologies), we may roughly divide the hominid’s evolution in the following way:

2 million years/100.000/50.000 – 10.000 years ago: a low-energy-consumption (conservative-solar techniques) driven human race;

10.000 – 200 years ago: a medium-energy-consumption (hydraulic-agrarian, advanced-solar techniques) driven human race;

200 years ago (the event of the so-called industrial revolution) – nowadays: high-energy-consumption (hydrocarbon techniques) driven human race.²⁰

¹⁶ Taken from Nat Kings Cole’s song: ‘Route 66’ (1946), written by Bobby Troup.

¹⁷ In such a constellation the cerebral cortex is reduced to only service the territoriality of reptilian (lower) brains. Evolution-wise, humans are – like other mammals – social animals, but also territorial: An areal presence on certain territory, humans are historically linking to its very survival. Traditionally, it was not much of the cognitively-induced transcendent dimension – morality, but far more simply an instinctive fear of conflicting territorial claim of rivals, which kept humans from uncontrolled maximization of territorial (and any other) claim. These are the origins of our everlasting grand-fascinations with fences, borders, demarcation lines, exclusion zones, buffer belts, frontiers, boundaries and related sorts of divisions, particularizations, differentiations, sectarianism, gaps, cleavages and separations.

¹⁸ The eldest layer of our brains structure, the so-called reptilian complex is a center of our instincts – reproduction and survival (something we share with most other animals). The limbic system – the second evolutionary arrival, according to neuroscience – is a center of emotions. The last to emerge, the upper brain – neocortex/cerebral cortex, by far the largest segment of our brains, is a center of our cognitivity, of reason. While emotions and reason are complex (therefore slow and sometimes inaccurate), the instincts are highly efficient, fast and accurate as they operate on the binary-code fight-or-flight principle without thinking and feeling or recalling previous experiences. It is therefore characterized as: cold and rigid, calculative and insecure, territorial and assertive, greedy and ignorant, hierarchical and opportunistic. Environmentally conditioned from its first formation days on, the Reptilian brain is efficient, but is not far-reaching! Driven by the grab-consume-run (fear-anger complex), it strikingly opposes cognitivity (exploration complex) – human autonomy, self-actualization, empathic solidarity, coherence, mastery, virtue and purpose – all of which are centered in cerebral cortex. (Put into the language of state organs: lower brain would be the armed forces – capacitated with the rapid response, and the upper brains would be a parliament – with the time consuming and tedious, consensual and multilayer procedures, but of far-reaching deliberations).

¹⁹ As anthropotechniques, we should assume the (precognitive and) conscious clustering of different experiences, knowledges, discoveries, patents and the like; its practical application in any human activity (including all modes of horizontal and vertical transmission) aimed at acquiring resources for consumption in space and time by variety of tools and weaponry. As the only compensation for the biological and neurological limitations of humans (inferior to other forms of life on the planet), the anthropotechniques were answering the central pre-cognitive concern of humans: Survival! This is a self-coined definition that for years I use in my lectures on the Institutions and Instruments of Sustainable Development (chapter: Environmental ethics). As such, the definition is extensive enough to describe the event of first usage of the sharp stone/broken bone by early *homo faber* all the evolutionary way to the development and deployment of the nuclear bomb.

²⁰ If we observe the exponential growth in hydrocarbon consumption over the last 150 years, the very amplitude of the demographic growth will follow it with astonishing complementarity over the same period. The conclusion is interesting:

Nevertheless, by observing the dynamics within the human culture and ability of such a civilization to maintain a natural equilibrium with the organic and inorganic surroundings, we can make the following classification of history of our race:

- barbarians without technology (early humans) – no-to-moderate disturbance of the animalistic civilization, and then;
- ‘mobilized/progressed’ barbarians with interfering ‘technology’ (the so-called modern men) – excessive disturbance of the acultural civilization.²¹

The irreversible extraction of crude that we falsely call ‘production’ of ‘black gold’ is simply a fallacy of myopic, lethal addiction. The anthropotechnique which is exclusively fixated on tapping a tiny portion of the lithosphere in search of fossil remains – and then combusting those remains to convert them into our prime energy source (with loads of collateral waste), is a barbarism *per se*. It can only be marked as ‘technology’.

Yet, the scope, depth, and endurance of our anti-intellectual limbic ignorance and reptilian greed is so fascinating, as it is our fixation with the locality, with the territorial animal inside of us. *Homo lupus ergo sum*. Our cerebral cortex (big, upper brain) is still a hostage of the reptilian (lower part of our) complex. It keeps us in a disastrous and obsessive captivity of the lower brain-determined, linear, instinctive reflex to acquire ever large possessions of resources on the given territory. This *here-us-now* matrix deprives us of any ability to enlarge the perspective and to grant it relief of the coherent, consciousness-based, cognitive time-space dimension.²²

Hence, no wonder that we are paying a heavy endpoint price while still singing the self-assuring lullaby: save the environment! It is simply a misstatement: the environment will survive, we will be eliminated.

past the industrial age, humans have become ‘grand alchemists’ (to use the expression of thinkers like David Suzuki and Wes Jackson), turning fossilized hydrocarbons into human biomass.

²¹ The life of plants and animals converted by the geomorphologic action of earth (forces that are enabled by the cosmos, in general and the sun of our mono-stellar system, in particular) into oil-gas-coal has been possible ONLY due to a hydrogen-helium generated solar energy. Our fossil-carbon originated energy is only the carbon-sequestered stellar energy stored in the past! Tapped, released and combusted today, seems as it punishes its colony of advanced bipeds – us, as parasites – with a lot of smoke. Looks actually like a message from our solar past sent to our solar future: if we eliminate the pre-Cambrian caloric intermediary between us and energy in our anti-solar presence, clear radiant skies full of sun will (re-) appear right above us. Maybe above said sounds esoteric, yet it is not a less accurate and authentic finding.

²² Annotated from my recent writings, it states as following: “...**the main problem with Green/Renewable (de-carbonized) energy is** not the complexity, expense, or the lengthy time-line for fundamental technological breakthrough. The central issue is that it calls for **a major geopolitical breakthrough**. Oil and gas are convenient for monopolization (of extraction location and deployed machinery, as well as of international flows, of pricing and consumption modes) – it is a physical commodity of specific locality. Any green technology – not necessarily of particular location or currency – sooner or later will be demopolized, and thereby made available to most, if not to all... Ergo, oil (and gas) represents far more than energy. Petroleum...is a socio-economic, psychological, cultural, financial, security and politico-military construct, a phenomenon of civilization that architectures the world of controllable horizontalities which is currently known to, possible and permitted, therefore acceptable for us. (*Geopolitics of Technology and the Hydrocarbon Status Quo /Why Kyoto Will Fail Again/*, Geopolitics of Energy, 34 (1), CERI Canada 2012)

“Oh, Lord won’t you buy me a Mercedes Benz...”²³ – the Tao wisdom lost

That is how and where we set our obscure priorities: Ever perpetuated competition that keeps us in barbaric, reptilian confrontation over scarce resources. All this with the ‘technology’ which unstoppably emits greenhouse gasses, turning our earth into a planetary gas-chamber,²⁴ on the way to a self-prepared global holocaust. Technology is not a state of arts (or science); technology is a state of mind!²⁵ It is not a linear progression in mastering the natural science disciplines (alienating conservation), but rather acquiring a coherent cognitive and emphatic critical insight (liberating exploration). This ‘technology’ will turn into *actual* technology when –or better say– if our conscious, a self-actualizing, nonlinear, multidimensional, and cluster-thinking capacitated upper brain finally takes a firm command over the reptilian, insecure, territorial, assertive, an eat-multiply-survive reflex/instinct-induced lower brain.²⁶

Following the outbreak of the still unsettled financial crisis, there is a growing anti-neoliberal sentiment. But, do not blame economy or (the dogmatic exegesis of) the credit institutions. It is yet another anthropotechnique enveloped in the human conscripts, in the codes of conducts devised on our long, indecisive and inconclusive evolutionary march.²⁷ What is wrong is our perception, or better say the observer’s consideration spot, our cognitive departure point.

Why are we persistently projecting the circumstances that environmentally conditioned us two million years ago? Finite and depletable resources are something that our reptilian complex has gotten accustomed to in the lasting course of evolution. All our subsequent socio-economic fabrics, customs and normative orders, and politico-military constructs have been emotionally charged. Architected around an emotional attachment, they have been the creation of a deep psychologization based on a fearful dependency over the horizontal and finite. We are the fear of scarcity– obsessed culture.²⁸ Adequate social cohesion and mobilization as well as our overall comprehension of the infinite, renewable and inexhaustible, would require cognition. This –in turn– would mark an end of domination to the reptilian brain’s binary-mechanical and instinctively- imposed and maintained securitization and control.

So far, control itself remained the central solidifier of our civilizational vertical in managing the unpredictable and instable human (group or individual) dynamics. Fixation on finite resources and their consummation in controlled space and controlled time are the ties that bind the human culture – a social construct of psychologized securitization we conceive as

²³ Taken from Janis Joplin’s song: ‘Mercedes Benz’(1970).

²⁴ We are even celebrating this gas-chamber: note the title of the recently released annual energy report of the IEA (International Energy Agency): *Golden Rules for a Golden Age of Gas...* Golden Age of Gas! (For our global Auschwitz!) Seriously?

²⁵ Something that accelerates our disconnection with both oneself and the rest (be it aimless rushing, veneration of nullity, or diverting banalities of ads, ‘entertainment’, social media, ‘infotainment’ and other sorts of enormous noise), making us ever more alienated, insecure and self-destructive cannot be referred as a technology that serves the enhancement of mankind.

²⁶ Contextualizing a well-known argument of ‘defensive modernization’ of Fukuyama along with Kissinger’s ‘confrontational nostalgia’, it is to state that throughout the entire human history a technological drive was aimed to satisfy the security (and control) objective. It was rarely (if at all) driven by a desire to ease human existence or to enhance human emancipation and liberation of societies at large. Thus, unless operationalized by the system, both intellectualism (human autonomy, mastery and purpose), and technological breakthroughs were traditionally felt and perceived as a threat.

²⁷ No surprise that we are cannibalizing our future by sacrificing our youth (with massive unemployment, pollutions and other extended debts) to please the shadowy but omnipotent Credit Rating Agencies, while we have never contemplated creation of the *Moral Rating Agency*.

²⁸ Thus, self-imprisoned in fallacy of such a cosmic disharmony, we must look so pathetic by standing alone against the immensity of this omnipotent and ultrarich universe.

comprehensible and permissible, therefore possible.²⁹ Infinity eliminates the premium of control, and of mechanically-imposed and externally-induced coercive cohesion based on ever-perpetuated competition and confrontation. An antidote to anxieties and seeds of fear, infinity eventually de-psychologizes and demonopolizes the reptilian command over our cognitivity.³⁰

Ergo, the grand mistake of our evolution is not an emergence of the cerebral cortex. Our central problem is that the upper brain has developed to service and aid the reptilian complex with anthropotechniques (to be enslaved by it), not vice versa. For such a new evolutionary arrival, admittedly our species developed fast— as (limbic drive is possessive and) the reptilian binary-instinctive brain is highly efficient. Though efficient, it is not as far-reaching! Thus, yesterday in Rio or Paris, as 45 years ago in Stockholm or 25 in the 1st Rio summit, we do face similar unsolvable dilemmas and grave, ever mounting, problems.

Nowadays, we seemingly understand the obstacle— limits to growth. However, our limit is not (solely) territorial or linear, it is substantively cognitive.³¹ Living in a limbo of our unfinished evolution and our own denial of it: We overused all life-contents around us that we plainly borrowed from the future past, while we overlook all the time what we do have (with us) in our past future. Simply, there is far more to learn about ourselves from our long unrecorded chapters of history than from the times we started to keep records.

²⁹ The highly intriguing theory (supported by the extensive geological evidences including the bacteriological analysis of deep-laying hydrocarbons) about the abiotic nature of oil and its practically infinite recreation in the lower geological formations of earth was presented some 25 years ago. These findings were quickly dismissed, and the theory itself largely ignored and forgotten. The same happened with the highly elaborate plans of Nikola Tesla to exploit a natural geo-electrical phenomenon for the wireless transfers of high energy for free. Why? Infinity eliminates the premium of deeper psychologisation, as it does not necessitate any emotional attachment – something abundantly residing in nature cannot efficiently mobilize our present societies.

³⁰ Or, in the words of Prof. Murray Hunter: "...And this is the other fallacy that we have been deceived by. In our wonderment of this great technology that elevated humankind to the level of god, we missed the major ingredient that technology requires. Technology without "knowing" is useless, if not dangerous. Like little boys with new toys we have played with fireworks without thinking of the consequences. And yes we burnt our hands – so stupidly, without even 'knowing' it... Science and technology is really about making us see and we have failed to understand that. We have blindly used it along the singular paradigm that we think we understand...We need to admit that some things are beyond our instinctive and limbic capability." (*Opportunity, Strategy and Entrepreneurship—A Meta Theory*, M.H. 2011)

³¹ Consequently, the Euro-crisis or any other financial/debt crisis – for that matter – is only a construct of our mental projection as it is not founded anywhere in the deeper layers of reality. Linear insecurity- and uncertainty-focused as a solely horizontally perceiving, conflicting and interfering, scarcity securitization and control-obsessed, dependency-fixated culture cannot simply evolve into a liberating society or anything else coherent and harmonious. On the contrary, it will tend to deepen the existing and extend the projected confrontational horizontalities as it will maximize the psychologization of dependences. Cognitive mind (equilibrium/cosmos) vs. reptilian complex (balance of fear/chaos)! The very epilogue of the financial crisis seems to be only the redistribution of dependencies and enhanced control, not at all steering up the nations to a well-being, to a self-realization. If the elected democratic governments are reluctant to be instrumented to this end, *Politbureau* of the non-elected *apparatchiks* will eagerly finalize the unfinished. Therefore, we even interpret the very word 'crisis' falsely. This term has a dual meaning: 'hardship' (fear-anger) as well as 'opportunity' (exploration-liberation). Opportunity per definition will always challenge the established status quo, but that thought usually disfranchises, discourages and disengages us. Example? Since the reporting on the Greek/Euro sovereign debt crisis has started, how many words related to a change or opportunity have you heard (e.g. solidarity, creativity, initiative, job creation, action, broader consensus, vision, rethinking, bravery, dignity, self-respect, trust, virtue), and how many words related to a paralyzing status-quo (e.g. monetization, toxic assets, fiscal discipline, austerity measures, monetary control, budgetary straitjacket, debt instruments, general savings, conditionality strengthening, concerns intensified, budget cuts, downgrading, social haircut, withheld guarantees, massive default, tightening the financial screws, consumer confidence, record low, collapse prevention)? For a cognitive mind, a period of crisis is not the time to seed fear, to save, back off and wait, but to spend, to grant a freedom of initiative, to fully mobilize and largely engage fresh ideas and all other human resources. After all, one entity is in a decline when it **reacts** to the risks, far more than it **acts** on opportunities. This simple wisdom has nothing to do with the so-called *economy*; it is merely a question of perception. Finally, freedom will only surface when/ if the cognitive (coherent) mind retrieves it from the fundamental level of reality. That is why Q-physics (Buddhist or Tao wisdom) matters.

“Tomorrow Never Dies”³²

In his famous speech of 1944, Max Planck spelled out something that philosophy, religion, astronomy, and physics were indicating ever since the classic Greeks (or to be precise, since the ancient Vedic Sanskrit texts).³³ It laid down the foundation, not only of quantum physics³⁴ but also, of the so-called Unified Theory of Everything (TOE) as well as the (Coherent key to) Secrets of Creation. Moreover, it rejuvenated and reaffirmed many of the Buddhist Tantric perspectives, especially the metaphysical visions contained within the *Yogacara*,³⁵ as well as one of *paticcasamuppada*³⁶ – the so-called interdependent non-directional origination.

Hence, if one of the newest TOEs postulated by Stephen Hawking and Leonard Mlodinow is correct – *that the quantum universe, as a self-excited circuit, tends to create meaning and that the observers are part of the system* – than the cosmos self-actualizes itself.³⁷ It concludes that, as the universe evolves, enabling organization to emerge, our consciousness creates the universe/multiverse.³⁸ If so, it leads to a self-actualization of us in cosmos too, as then the fundamental nature of reality should be a comprehensive and coherent self-perception.³⁹

³² Paraphrasing the title of the James Bond action movie of 1997, written by B.J. Feirstein and directed by R. Spottiswoode.

³³ “All matter originates and exists only by virtue of a force...We must assume behind this force existence of a consciousness and intelligent Mind. This Mind is the matrix of all matter.” Max Planck, *Das Wesen der Materie* (The Nature of Matter), Florence, 1944. At about the same time our joy for the ‘defensive modernization’ peaked with the mastering of the atomic bomb: the nuclear (weapon) age. Deeper implications and meanings of the quantum mechanics, nuclear physics, bioelectric medicine or neurocybernetics’ research of *ganzfeld*, for our understanding of and our engagement with the process of reality (and selfhood), were disregarded, marginalized and nearly forgotten. And Planck himself was considered as Quantum mystic.

³⁴ One of the fundamental laws of quantum physics says that an event in the subatomic world exists in all possible states until the act of observing or measuring it “freezes” that, or pins it down, to a single state. This process is technically known as the collapse of the wave function, where *wave function* means the state of all possibilities. Hence, the subatomic world can behave either as particles (precise things with a set location in space) or waves (diffuse and unbounded regions of influence which can flow through and interfere with other waves). Therefore, of neither matter nor a place, quantum world is an event. E.g. an electron is not a precise entity, but exists as a potential, a superposition, or sum, of all probabilities until we observe or measure it, at which point the electron freezes into a particular state. Once we are through looking or measuring, the electron dissolves back into the ether of all possibilities. That means that reality must result from some elaborate interaction of consciousness with its environment. The confirmation comes from the past. Hebrews (the New Testament) 11:3 says: “What is seen was not made out of what is visible”. The XIII century Persia mystic Rumi looks like a pen-friend of Ludwig Boltzman. He seems as writing the letter to the father of astrophysics of the early XX century, when noting: “Look at these worlds spinning out of nothingness. That is within your power.”

³⁵ It’s absolutely astonishing that the ancient Sanskrit texts describe quantum vacuum and zero-point of the quantum field – by term *sunya*. This word should be interpreted as describing a cosmic seed of nothingness, which (hanging in a limbo of non-experience) is swollen by potentiality – an egg of infinite potentiality or *shunyata* on a brink to burst into a deep infinite-dimensional sea of manifestation/s. No wonder that the arithmetic sign for zero (that the rest of us took from Hindus) is actually an egg-shape, the same one called ‘origin’ in geometry to mark the center or beginning of a coordinate plane.

³⁶ Esoteric teachings of *paticcasamuppada* are considered a core of Buddhism. Applying the extensive philosophical interpretation to this teaching, it remarkably fits to the astrophysical theory of the so-called dependent (interpenetrating) origination. It also well supports basic laws of both quantum mechanics and evolutionary biology about a self-organizing system in an ever self-expanding, dynamic equilibrium which is rather dialectic than a directional.

³⁷ Sharing this anthropic viewpoint that the quantum wavefunction of the primordial meaningless universe stands on the very edge of time-space and meaning, and that the collapse of the wavefunction (an inception of cosmos) marks materialization of previously shapeless, non-experienced potentiality (that becomes possibility, an experienced classical event, by action of consciousness), Henry Stapp describes potentiality-consciousness as: ‘the two-way quantum psycho-physical bridge’. Conclusively, if we are to identify the meeting ground for the comprehensive and lasting reconciliation between science and religion, we must further investigate ‘Stapp’s bridge’. E.g. in mental(ly experienced) space, mind and matter move together as one.

³⁸ It would correspond to the Buddhist expression *karma* (usually misinterpreted in the West by reducing it to a lame moral conscript). The word *karma* has far more extensive meaning in Buddhism and should be understood as an (intractable) action which leaves an informational imprint in all deeper levels of realities which can be activated at some future point in time. Hence, this self-synthesizing universe paradigm of quantum physics fully corresponds with the Buddhist *Yogacara* assumption that all perceptions do leave traces which make future similar perceptions more probable/plausible – origins of the potentialities within the quantum realm. This is why mankind kept practicing a prayer.

³⁹ *Vedas* describes it as *siddhis* – psychic event (comes after profound meditative states) when the meditator experiences a feeling of omniscient knowing – a sense of seeing everywhere at once (a state of illuminating darkness, of superrich nothingness); or when the subject enters a state of unity with the single object being focused upon (sometimes followed by a

This TOE would then suppose our constant mastering of arts, which is not a ‘technology’ that preserves *status quo*, but is a technology that opens, liberates, and expands. How can the carbon–addicted culture of fragile and insecure, but *here-us-now* assertive and corrosive bipeds, whose overall dynamics are largely determined by the binary (fight-flight, consume-abandon) actions of the reptilian complex consciously project an intelligent universe predominantly composed of helium and hydrogen in all its immensity?⁴⁰

The answer is easier than it seems at first glance. It goes back to one of the most intriguing questions of both philosophy and astronomy: Is there any life out there?

Neither the very peripheral position of our solar system within the stellar cluster of the Milky Way, nor a remote place of our galaxy in the known cosmos would indicate any centrality, any exclusivity of and monopoly over conscious life to us. Ergo, if such a periphery can sustain a variety (constancy) of life forms and development of cognitive brains, then the rest of the universe must simply flourish in intelligent life⁴¹ – this is the only logical explanation.

Proof?

While being everyone and having everything, all the rest of the immense cosmic intelligence self-actualizes and projects the solar equilibrium, a coherent helium-hydrogen-manifested and as such illuminated universe. It is simply waiting for us – to succeed or fail in departing from the self-imposed asymmetries, scarcities, convulsions, disharmonies and imbalances created by having fossilized fuel – in our attempt to return back to our pre-carbon, solar Tao future.⁴²

“If they say to you, ‘Where have you come from?’ Say to them, ‘We came from the [solar] light, the place where the light came into being of its own accord’” The beauty of this passage from the Gospel of Thomas is that it is equally accurate for both science and for spirituality.⁴³

Mankind will either combust itself to death or finally comprehend the inevitability of the obvious – of our cosmic being, as there is no having without being, and there is no being

psychokinetic effect: levitation or moving objects at a distance). In nearly every instance, the recipient eliminates the sensory bombardment of everyday and taps into a deep well of alert receptivity. Could it be that this art is like any other form of communication, but the noise of our everyday *McFB* life prevents us hearing it?

⁴⁰ Just one illustration that for our civilizational and/or developmental dead-ends, we do need cognitive mind to recognize it, not the ‘technology’ to ‘fix it’. For that sake, let us examine the so-called locomotoric engines (Otto’s ICE), which we use for transportation as well as for energy conversion/transfer. (We saw it first used by Chinese and Ottomans for guns and canons since they are in effect a one-cylinder internal combustion engines – ICE. Its military deployment we wanted to domesticate by using these destructive devices in a constructive way?!) There is absolutely no need for any ICE’s fuels or combustion efficiency improvements. What is required is a new approach, new philosophy. And, it is to depart from the 150-years-in-use very harming explosive systems (unclosed circuits), and their replacement with a nature-coherent and nature-complimenting technology of implosive systems. Explosion sets chemo-electric, electro-magnetic and thermo-kinetic energy by the hydrocarbon’s combustion and the subsequent exhaustion of emission pressure, temperature and shock-waves to outside, while implosion just tackles available ionosphere’s energy charge (which is always a non-carbonic) into motion, or transmits it without losing or releasing any harmful substances. (No wonder that even today, the aborted development of e.g. anti-gravitational ship, flying disk, etc., we attribute to Aliens or classify as the UFOs.)

⁴¹ It reads that the universe performs as the (mindful) intentional servomechanism of omnipresent instant transfers of force/information, which is immensely unified, yet at the same time infinitely diverse. (Or in other words; tones, frequencies and harmonies that compose a symphony of one universal /chemo-electrically charged/ energy ocean of consciousness in /a wave function/ motion in which distances and causality no longer exist.) Stepping closer to the Eastern philosophies of wholistic comprehension, it strikingly opposes the scientific (Newtown-Descartes-Darwin ‘Clockwork universe’) and the religious (dualistic, binary-code-like) picture that the West embedded in its institutions and determined actions in its long standing quest for global domination.

⁴² Consciousness (including the time symmetry reversibility) – at its most basic level – is nothing else but a coherent light. That is why a stellar illumination, not only the solar energy, matters so much. We all and all in us swim in a sea of light.

⁴³ Taken from: Deepak Chopra, *What makes Us Human?* (2011).

without or against universe. After all, there is no world of things without or on expenses of cosmos of life. This requires a resolute departure from the primordial hunter-gatherer attitude, and decisive deployment of our cognitivity. *Chaos* or *cosmos* – a simple choice.

Epilogue, not far away from Rio⁴⁴

“...Deep in the rainforests of the Amazon, the *Achuar* and the *Huaorani* Indians are assembled for their daily ritual. Every morning, each member of the tribe awakens before dawn, and once gathered together in that twilight hour, as the world explodes into light, they share their dreams. This is not simply an interesting pastime, an opportunity for storytelling: to the *Achuar* and the *Huaorani*, the dream is owned not by the dreamer alone, but collectively by the group, and the individual dreamer is simply the vessel the dream decided to borrow to have a conversation with the whole tribe.

The tribes view the dream as a map for their wakening hours. It is a forecaster of what is to come for all of them. In dreams they connect with their ancestors and the rest of the universe. The dream is what is real. It is their waking life that is a falsehood...”⁴⁵

Wisdom is technique to wake up.

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References:

Andric, I. (1982), *Bosnian Chronicle*, Harvill Press London (*Travnicka Hronika*, originally published 1945)

⁴⁴ Those interested in numerology would come to an interesting numerical interpretation of the Summit Rio+20. Tentatively, it may follow: this time in Rio, it will be +20; 2 (dualism, binary-code, either-or) faces 0 (wholeness, an omnipotent egg-shape field of all potentialities).

⁴⁵ Quoted from Schlitz, M. (1998) *On consciousness, causation, and evolution*, Alternative Therapies 1998, Vol.4, No.6

The Rio Declaration on Environment and Development (1992), UN CED – Earth Summit, Rio de Janeiro, 1992

The UN CSD/Rio+20 Prep Documents Set including the UNEP and UN Sec-G. consolidated Reports (2011-12)

Sileitsch, H. (2012), *In zwanzig Jahren sind wir alle Griechen*, Wiener Zeitung – Austria (page: 1, 3 and 25-26)

Veenhoven, R. (2009) *World Database of Happiness, Studies in Social and Cultural Transformation*, Erasmus University Rotterdam, Netherlands

World Bank (2012), *World Development Report 2012: Gender Equality and Development*, WB Publications

OECD (2012), *OECD Economic Outlook* (Preliminary Version, May 2012), OECD Publications

IEA (2012), *World Energy Outlook 2012 – Golden Rules for a Golden Age of Gas*, OECD – IEA Publications

WWF, GFp, IoZ and ESA (2012), *Living Planet: Biodiversity, biocapacity and better choices*, Report 2012

Sagan, C. (1980), *Cosmos* Random House, NY /Carl Sagan Productions Inc.

Bajrektarevic, A. (2002), *Environmental Ethics /Anthropo-techniques/*, Lectures/Students Reader, Vienna (IMC University Krems), Austria

Mumford, L. (1970), *The Myth of the Machine – Pentagon of Power (Technics and Human Development Vol.2)*, Mariner Books (Ed. 1974)

Ibn Khaldûn (1398), *Muqddimah – al-Kitābu l- 'ibār* (the Prolegomenon – An Introduction to History), Princeton University Press (Ed. 1967)

Engels, F. (1972), *The Origin of The Family, Private Property and the State*, Penguin Classics (*Der Ursprung der Familie, des Privateigentums und des Staats*, first published in 1884, Hottingen–Zürich)

Spencer, H. (1855), *A System of Synthetic Philosophy (Principles of Biology, Psychology and Sociology)*, Brighton (6th Edition, 1900), Obscure Press

Campanella T. (1623), *Civitas Solis* (The City of the Sun), SBF Genoa (1919) *La città del Sole: Utopia alla ricerca della felicità o incubo totalitario?*, Nabu Edizioni

Bryson, B. (2004), *A Short History of Nearly Everything*, Broadway Books

Hunter, M. (2011), *Opportunity, Strategy and Entrepreneurshi – A Meta Theory* (Vol. II), Nova Science Publishers

Kulic, S. (2004), *Neoliberalism as Social-Darwinism*, Prometej Zagreb

Fleming, G. (2011), *Quantum-coherent energy transfer: Implications for biology and new energy technologies*, Conference proceedings, University of California, Berkeley

EBBS (2011), *European Brain and Behavior Societ – Cognitive Neuroscience Lectures* (2008–2012) EBBS Leiden

Hobson, J. M. (2008), *The Eastern Origins of Western Civilization*, Cambridge University Press

Bajrektarevic, A. (2012), *Geopolitics of Technology and the Hydrocarbon Status Quo (Why Kyoto Will Fail Again)*, *Geopolitics of Energy*, 34 (1), CERI Canada 2012

Flisar, A. (2007), *Concept Paper: Quantum Mind – Launching the Oxford Academy of Total Intelligence*, Oxford

Acemoglu, D. and Robinson, J.A. (2012), *Why Nations Fail – The Origins of Power, Prosperity, and Poverty*, Crown Publishing New York

Bajrektarevic, A. (2012), *Climate Change – Humans Remain the Same*, *Contemporary Readings in Law and Social Justice* 4 (1): 2012, Addleton Publishers

Tesla, N. (1915), *How Cosmic Forces Shape our Destines*, *New York American* (February 07th, 1915, Page: 9)

Planck, M. (1944), *Das Wesen der Materie (The Nature of Matter)*, speech at Florence, Italy, 1944 (retrieved from: *Archiv zur Geschichte der Max-Planck-Gesellschaft, Abt. Va, Rep. 11 Planck, Nr. 1797*)

Hawking, S. & Mlodinow, L. (2010), *The Grand Design: New Answers to the Ultimate Question of Life*, Bantam Books

Talbot, D. and Thornhill, W. (2007), *The Electric Universe*, Mikamar Publishing

Smetham, G. (2011), *Quantum Buddhism: Dancing in Emptiness - Reality Revealed at the Interface of Quantum Physics and Buddhist Philosophy*, Graham Smetham–Shunyata Press

Feynmann, R.P. (2014), *QED – The Strange Theory of Light and Matter*, Princeton University Press

Stapp, H.P. (2009), *Mind, Matter and Quantum Mechanics*, Springer (3rd Edition)

Vedral, V. (2010), *Decoding Reality – The Universe as Quantum Information*, Oxford University Press

Chopra, D. & Mlodinow, L. (2011), *Is God an Illusion?*, Harmony Books, US