

Guiding a misdirected civilization: The Longevist's Universe

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Abstract: *The current economic inequality and progressively dwindling resources have diverted humanity towards different priorities when we should be focusing on removing our natural constraint of Time. Currently time-bound organisms, present scientific breakthroughs offer us a future where Ageing is a disease and death could be averted. Strategic planning is therefore immediately necessary to address possible concerns related to decision-making, investment, and other aspects of prioritizing research into human longevity. This paper could serve as a basis on ethics and morals towards focusing on Longevity, and why channelling our natural survival instinct from within us organisms into our well-built governance structures and organizations to ensure our permanent existence should be the pure purpose of our life itself within this curious Universe of spacetime.*

Keywords: *Purpose in Life, Longevity and Sustainability, (Optimal) Decision Engineering, Survival and Propagation of Collective Consciousness*

1. Introduction

Being fascinated by creation itself, our innate curiosity [1] has led us to explore the Universe, discover desires and craft societies to achieve common goals together. However, inspite of being the most intelligent species (or life as discovered till date), we are doomed if we are unable to direct our civilization to preserve ourselves. There shall be no trace of our civilization (except possibly the Voyager probes) unless we start today. This common sense of impermanence starting from our individual thresholds of (currently limited) lifetimes, and moving upto stellar longevity² is the unifying force which should lead us to develop supporting economies and make effective decisions for ensuring we continually and peacefully strive to outlive Time [2]. Bringing about a social change of thought is necessary to have this new outlook to life *i.e.* our purpose of organismic existence, and major themes surrounding this are highlighted in [3].

¹ <https://linktr.ee/InSociEUP>

² Can We Engineer The Sun?: <https://www.youtube.com/watch?v=IY0KWLanILM>

2. Restructuring our Institutions and Organizations

2.1 The Why?

Our survival instinct and curiosity drives our intelligence to devote ourselves towards being timeless. However, since our survival instinct is unchallenged regularly, we seem to have developed other preferences and are often lazy and directionless. Accumulated, this effect of being directionless has often led to sub-optimal decision making with enormous ripple effects. As a chronic example, humans have always preferred to wage wars over (obtainably limited) space and not over (infinite) Time, main reason possibly being that we are more materialistic than ever due to dwindling resources and lack of effective management of the existing ones thereby leading to such catastrophes. Therefore the need to develop a common new outlook towards life which should help our next generations propel this civilization should start from restructuring established entities.

2.2 The Which & How?

Convinced that restructuring is necessary, identification of the major common impactful elements in the life of any human could be introspected in the following ways:

- i. **Schools:** A new subject of Future (similar to History) should be introduced in schools. The logic behind this is to develop a common vision of humanity on Earth, and the common future which we must envision. The basic elements could become a unification factor for citizens globally and therefore the innermost architecture could be UN designated. Further necessary additions could be developed by state education systems, depending on the necessary hyperlocal strategy.
- ii. **Universities:** The subject of Future could diverge both into Arts and Sciences leading to a renaissance in technology development for mitigating risks to human existence. Specifically, the combination of Medical Science and Biotechnology Research should propel the development of Departments of Longevity and Reverse Ageing (LaRA) as a core branch of study. Departments such as LaRA would be torch-bearers of the much needed change we wish to see in our outlook towards existence, by leading the scientific progress to wage this war against ageing and death.
- iii. **Workforce and Retirement:** Our current understanding of society had limited us to having retirement ages at the end of our healthspan. However, to design an effective workforce with the spirit of overcoming death, we could allow multiple relaxations for people working in this domain so that this becomes a lucrative career option right from the start, allowing more talent inflow.
- iv. **UN~DG:** Combining Longevity (as the objective) with Sustainability (as the pathway) within United Nations Developmental Goals, should widen our horizon to create the necessary civilizational redirection. This redefinition could be compared to a holistic (wave) and targeted (particle) approach

as being necessary towards ensuring civilizational and individual existence, respectively, at Kardashev Scales³.

2.3 What would religious restructuring mean and what should it encompass?

Any typical religion encompasses the major decisions in our lives and announces our life's happenings to our closest relations as origins of social changes and interactions. The major events in a person's entire life involve ceremonies after their birth, association with other people to generate new life in the form of marriage, and ceremonies conducted by family members after a death. As each unique organism, it must be pertinent that we focus on the experiences we have had throughout our lives lived so far, to shape our own future based on the truths we have searched for and believe in. The commonalities within our congregated futures should be driving our collective decision making in this Universe.

How do we obtain a proper direction?

We already have a common definition of being time-bound organisms, and striving to breach this (currently) natural constraint is a unifying factor among all civilizations and species on Earth. Our survival instincts must trigger us to ensure our continued existence, and our curiosity drive us to understand the nature of reality⁴. These combined would lead to perturbations in religious understanding and a (possible) unified approach to develop scientific temples to continue this blissful search for elongating our pure existence throughout space-time.

The development of a scientific temple: The necessary actionable philosophy towards a fresh design to life.

Finding the purpose in life could be a challenging task. However finding our purpose is (justifiably) easy, it being life itself. Anything that we are doing to extend our existence (together as a civilization of multiple interconnected species) should be correct since it is aligned towards our common purpose. Therefore developing new models of crafting our workforce, and integrating science with religion, will help us in:

- Correct decision making, reshuffling individual and civilizational priorities
- Channelling work-potential (money) effectively
- Becoming more enlightened about reality at the biggest and smallest of scales

Multi-faceted survival threat analysis would lead us to understand that we as organisms should be defined also as being essential parts of our ecosystem (and vice versa). Any ecosystem collapse (as is

³ The Kardashev Scale: Measuring Civilizations - https://en.wikipedia.org/wiki/Kardashev_scale

⁴ [InSociEUP Philosophy: https://drive.google.com/file/d/1PzsTsZFo-_N9dBlfM4VE2Enro7jG28k1](https://drive.google.com/file/d/1PzsTsZFo-_N9dBlfM4VE2Enro7jG28k1)

the case due to pollution and climatic change) will be detrimental to us, individually and as a civilization, eventually leading to our oblivion. Going on the same principles, we can analyse modes of failure of our current civilization, focusing on predictable survival challenges at various scales of time. A few of the predictably definite survival threats to humanity's permanent existence in our Universe include:

- i. Death due to limited Human Lifespan (Timescale: $10^{1.8-2.1}$ years)
- ii. Climate Change lead extinction events (Timescale: $10^{1.1-2.5}$ years)
- iii. Drift in the Solar Habitable Region leading to excessive radiation on Earth (Timescale: $10^{9.88}$ years)

Among the events mentioned, death at the individual scale is something we have all known about since very young and this information had been forgotten by us as something to work upon to engineer solutions to prevent. Instead, we were exposed to this “natural law” of death when we were helpless, foolish and childish enough to be unable to comprehend and act on it in any significant way. Our ego, or the sense of self was still being nurtured and each of us have ignored and forgotten this fact creating the natural law out of this currently statistical certainty (eventually falling a prey to this fatal disease of ageing as meticulously explained and debated in [4, 5, 6, 7, 8]).

The (now missing) Buddha Shock

What if this information of impermanence and oblivion revealed itself much later in life, after we have developed a wiser sense of self? Something similar happened to the Buddha⁵, when his idea of reality was challenged through four great sights leading to his quest for enlightenment. In a way, the concept of being time-bound organisms is not self-evident and we have been conditioned to have this inherent information already existing while we develop our sense of self and mould our ego during growth years. The lack of the concept of ageing and death led to a clash within Buddha's mind which does not happen to us although this is what we all must be working on together.

A few actionable components to help develop a strategy for all of us to work together, classifying survival challenges to the individual human and the civilization as a whole, and develop mitigation strategies for the same includes:

- i. Focused approach to Longevity → Eliminating the biological process of Death,

⁵ The information that life is not constant or permanent and that ageing happens and leads to sickness, disease and eventually death was revealed to Buddha at a much later age. This provided a great shock to him, since it challenged his ego, existing biases and beliefs which had evolved within him due to his childhood upbringing. His survival instincts must have urged him to search for a cure to our oblivion with his curiosity driving him towards a deeper understanding of reality. This zeal has now manifested itself as a great global peaceful religion.

- ii. Preserving Ecosystems and the Environment → Sustainable approaches towards development of our civilization,
- iii. Ensure multi-faceted approach towards ensuring that our planet stays in the dynamically shifting solar habitable region [9],

based on various domains of survival threats (at different timescales). Focusing solely on Longevity for the remainder of this paper, the necessary steps towards biological life-extension would involve research into extending healthspan and lifespan of living organisms and rejuvenating the preserved human body since after death, for the individuals who have opted to preserve their biological self.

Incorporating Human Body preservation after death within religious practices should be ideologically and scientifically correct (as was the case in ancient Egypt [10]), as well as supportive of our zeal-for-existence from our survival instincts as an organism. Comparing diverse religious practices of treating our dead; burial and cremation are the processes followed generally, neither of which focus on preserving the body for unlimited time. On the other hand, the lost (Egyptian) civilizational process of mummification⁶ has led mummies to survive for 45 centuries within pyramids, which definitely provides a positive social outlook towards immortality. Multiple companies⁷ are now working to preserve the human body immediately after death, possibly being inspired from the mummification ideology, and hoping for immense technological breakthroughs in the future which may bring them back to life (instead of being desecrated, as has been the case during excavations of Egyptian pyramids). This therefore needs global support, public enlightenment and governments to work together for effective investment.

3. Prioritizing Investment into LaRA

It is necessary to prioritize ageing budgets which would help develop a multi-pronged approach towards progress in this domain through research, diagnostics, rehabilitation and therapies. One way to continually assess public outlook about the government investing into similar technological research is by incorporating TaxDirection⁸ as a new feature to tag peoples' recommendations weighted with their yearly tax amounts. This would enable hyperlocal progress assessment, allowing people to suggest problems which could be clustered using artificial intelligence based on the problems' similarities and the intervention location. This would help local-governments develop interventions for increased effective hyperlocal-governance. It is predicted that as (diverse) local

⁶ The Mummification Process - <https://www.youtube.com/watch?v=-MQ5dL9cQX0>

⁷ Cryonics: <https://particle.scitech.org.au/people/the-science-of-cryopreserving-the-human-body/>

⁸ #TaxDirection principles: <https://omdena.com/chapter-challenges/tax-allocation-manager-system>

problems get resolved, the orientation of the recommendations would turn towards more important issues such as life-extension, and information of recent breakthroughs in this domain⁹ would propel this enlightening shift.

Table 1: Trend between Real GDP and Life Expectancy across countries

Real GDP per capita [\$] (Latest estimates) {A}	GDP per capita in 1950 [international -\$ in 2017 prices] {B}	GDP per capita in 2019 [international -\$ in 2017 prices] {C}	Country	Life expectancy in 1953 {D}	Life Expectancy in 2023 {E}	UN projections for 2100 {F}
800	1150	978	Central African Republic	35.4	55.48	68.6
1100		570	Somalia	41.4	57.35	71.5
2100	777	2446	Mali	28.2	60.03	72.2
2500	696	1777	Yemen	31.7	64.52	76.1
13300	5968	12536	South Africa	43.5	62.89	76.4
700	755	790	Burundi	40.6	62.50	77.2
6600	951	6711	India	25.4	72.03	82.0
10700	11947	13145	Ukraine	36.6	73.02	83.0
11600	804	12060	Egypt	33	70.81	83.5
28000	16904	28526	Russia	31.9	74.57	83.7
5500		3687	Samoa	47.7	72.75	84.0
44300	24353	51825	Saudi Arabia	41	78.10	85.8
39300	14695	32483	Lithuania	41.7	76.85	86.2
17600	963	14129	China	40.3	78.79	87.8
69700	136871	66113	United Arab Emirates	41.1	80.46	88.2
63700	15912	62589	United States	39.4	79.74	88.8
12300			Cuba	18.9	78.33	88.9
46800	10457	44275	United Kingdom	33.9	82.31	90.8
53200	5227	51191	Germany	38.4	82.18	91.1
18800	2993	19411	Maldives	37.4	81.07	91.1
67500	9827	73669	Norway	48	83.55	91.7
139100	14919	90479	Luxembourg	48	82.75	91.9
45000	7635	43755	France	40.1	83.35	92.0
56400		38169	San Marino	68.7	83.00	92.6
44200	1112	42219	South Korea	23.5	84.14	92.8
71000	16252	75299	Switzerland	40.2	84.38	93.0
106000	2765	82336	Singapore	50.7	84.27	93.0
40800	2805	39704	Japan	36.4	84.95	93.7
60000	6005	54810	Hong Kong	59.3	85.83	94.2

Data Sources:

{A}: <https://www.cia.gov/the-world-factbook/field/real-gdp-per-capita/country-comparison>

{B & C}: <https://ourworldindata.org/grapher/real-gdp-per-capita-pennwt>

{D}: <https://ourworldindata.org/grapher/life-expectancy?tab=table&time=earliest..1968>

{E}: <https://www.worldometers.info/demographics/life-expectancy>

{F}: <https://www.macrotrends.net/countries/IND/india/life-expectancy>, etc.

⁹ Is Ageing Reversible? - <https://www.youtube.com/watch?v=cLZEE0ZITzo>

4. Conclusion: Pushing ourselves to move further together with the population

It is necessary and pertinent that all progress in helping humanity live longer is not sealed behind costly paywalls but made accessible to the general public through government interventions, essentially applying directive principles of state policy¹⁰ and its similar counterparts across constitutions, as a fundamental duty of any state to uphold its people's aspirations and well-being. The holistic approach towards ensuring this is to diversify the process of research and development, by:

- i. Evolving robust strong startup ecosystems to focus on Longevity
- ii. Progressively increase annual spend on Healthcare and Research worldwide (possibly by higher proportions than respective GDP increase)
- iii. More focus may be given to countries which show positive trend in improving the lifespan (and healthspan) while also showing progressive shift in overall lifestyle improvement (increasing purchasing power and improving happiness index) which may be inferred from per capita Real GDP increase as in **Table 1**.
- iv. Monitoring the gradual shift in TaxDirection and Investments of the public, which should show trends of shift (from possibly mundane wants) towards a Longevity focused approach to life, such that the surrounding necessary economic drivers can be effectively created. A (general) natural shift in people's wishes requesting the government to shift focus towards infrastructure development in the domains of Longevity (and Sustainability) would help ensure the natural evolution process, as well as provide a benchmark that other investment avenues (which would help cater to more mundane by higher priority issues) have been taken care of during the previous years of progress. This new democratically aggregated information scheme would help in developing statistically correct decision-making approaches towards Longevity as well as move towards healthier lifestyles through social enlightenment.

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