

INDUSTRY: MY SECOND HOME



PROPOSED & PREPARED

BY

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"I was obliged to be industrious. Whoever is equally industrious will succeed equally well." –J.S.Bach

I started my writing with a positive hope and I am grateful for having this opportunity with such a great organization. After reading the last two articles of Bob Martiz, I realized that PwC is very much aligned with the sustainable development goals related to Net Zero framework, climate and social movements. So, I tried to highlight the other side of the moon, deriving some scientific and psychological conclusions.

The motivation of this write-ups is "Kotoi rongo dekhi duniyai", a song by Satyajit Ray. And a line from a great Bangladeshi poet "It was said, our religion will be a fair distribution of crops. It was said, our pilgrimage will be a field full of crops."

Why Corporations are the instruments of industrialization?

"...a healthy society needs successful companies...If governments, NGOs and other participants in civil society weaken the ability of business to operate productively, they may win battles but will lose the war, as corporate and regional competitiveness fade, wages stagnate, jobs disappear, and the wealth that pays taxes and supports nonprofit contributions evaporates."



"Looking inside out: mapping the social impact of awareness of the value chain" While companies are increasingly aware of the social impact of their activities such as hiring practices, emissions and waste disposal, these impacts can be more subtle and variable than many managers realize.

So, we are expecting an integrated ecosystem where we will eliminate the drawbacks and negative impacts of socialism and capitalism and find a sustainable solution with the strength of these two systems. We need to socialize the profit and risk factors both.

Power of this firm: as per the study of Geoffrey West mentioned in his Scale book

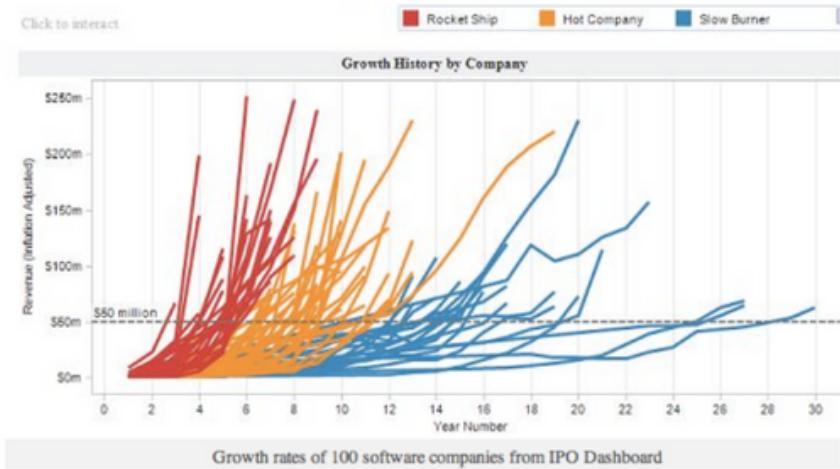
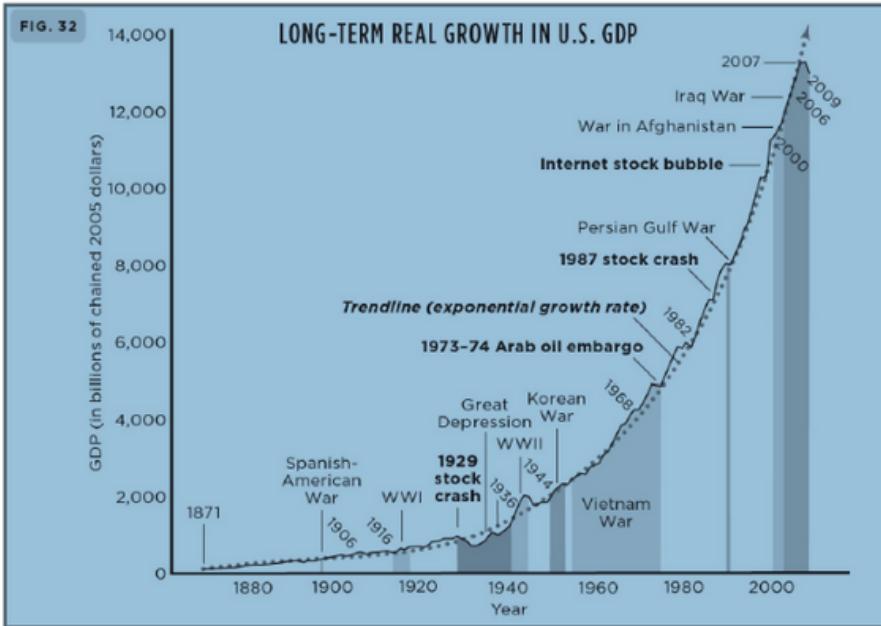
A. Why do almost all companies live for only a relatively few years whereas cities keep growing and manage to circumvent the apparently inevitable fate that befalls even the most powerful and seemingly invulnerable companies? Can we imagine being able to predict the approximate life spans of companies?

B. Can we develop a science of cities and companies, meaning a conceptual framework for understanding their dynamics, growth, and evolution in a quantitatively predictable framework?



"IT'S NOT AN INVESTMENT IF IT'S DESTROYING THE PLANET" – VANDANA SHIVA

WE LIVE IN AN EXPONENTIALLY EXPANDING SOCIOECONOMIC URBANIZED WORLD



WHY SHOULD WE CARE:-

There are two reasons—

1. The Earth doesn't belong to us, we belong to the earth.
2. The aim of science is to improve the quality of human life.

Here we can see, we bother individualism and the entire ecosystem as a whole.

We are made of five basic elements: Air, Water, Fire, Earth and Space. And, the cosmic intelligence study said the balance and imbalance of these five elements directly affects the karma and cycle of life in the collective consciousness state of internal and external worlds.

Internal World: Spiritual Intelligence and incorporating Bhagavad-Gita in Management Lesson. Manifestation of Karma Yoga through the tools of spiritual technology.
External World: Bringing the integrated policies to influence the society as an interlinked giant system and make it resilient.



. The fourth industrial revolution is not about business and technology, it's all about human and society. The industry should act as a catalyst to foster social, environmental and economic prosperity in this post-modern world. Diversified workforces should represent a strong interconnected network of resilient communities.

Knowledge society has two wings: Building communities that serve a purpose and wealth generation. Now we can create direct opportunities, indirect opportunities through the association with other firms and alternate opportunities through the collaboration with universities and local institutions. Now let me elaborate the entire dynamics of the scope of the sustainable growth factors---

We can pivot the predicted timeline in two sections:

Approaches based on short term effect

Approaches based on long term influence

Before diving into the components of three main pillars of sustainability (which is Social, Environmental and Economy), we need to understand the philosophy of the universal laws of the life and death in organisms, cities and companies.

The Heisenberg Indeterminacy equation states that $\Delta P * \Delta X$ must be greater than or equal to $h/(4\pi)$. The lower the uncertainty in position, the greater the uncertainty in momentum; the lower the uncertainty in momentum, the greater the uncertainty in position will be.

$$f = [\exp(E(p) - \mu k_B T) \pm 1] - 1$$

$\Delta x * \Delta p$ is proportional to \hbar

$\Delta E * \Delta t$ is proportional to \hbar

These two equations are defined by Heisenberg's Uncertainty principles with universal events.

Here, I am trying to convince with the success factors of Nikola Tesla, Srinivasan Ramanujan, Manly P. Hall, Carl Sagan, Neils Bohr or Heisenberg. They are highly intellectual and potential personalities of all time. Why? Because, they realized the synchronicity of nature. We are part of nature. Today's inequality and catastrophe are the result of yesterday's mistakes of developing a man-made linear system. Today, Microsoft is leveraging the power of quantum principles of nature and applying it in their multi-lateral complex projects and making an impact as a whole.

Now I would like to address the problems and possible solutions associated with a few verticals:

WATER

60% of districts in India are likely to reach critical levels of groundwater depletion over the next 20 years.

Can we reverse it? ---- Yes. Preserving the wetlands and sustainable water treatment methods need to be applied along with the green technology we have.

It is more than water scarcity. The importance of consistent, transparent, and easily accessible water data cannot be overemphasized, especially in India where more than 5,000 medium and large dams are spread across the country. In Kolkata, we may find huge opportunities to work with. Officials of the CMC have said that the civic body sends 488 million gallons of water into the city's distribution system every day, but nearly half of it goes to waste or is unaccounted for. Water resources experts said about 250 million gallons of water should be adequate to meet Calcutta's daily needs.

India, as a whole, is not a water-scarce country. Even though the availability of water per person has fallen from 4,000 cubic meters in 1950 to around 1,000 cubic meters today, India still has far more water per person than Israel, for instance.

Yet, despite its arid climate, Israel has increased water security with just around 90 cubic meters of water per capita.

Using these facts and figures, we will not only address the water scarcity and drinking water problems but also the water treatment technology will be on focal point as a whole because river water rejuvenation, ground water level, wastewater treatment and wetlands are the most important factors to address the issues related to water in local and global communities.

For example, to counter the global water scarcity, if we manage to identify the locations with significantly lower ground water level and its root causes with the power of analytics and take responsible action by planting a sea water desalination plant. But, what if we overlook the waste material called brine from this process then it can harm the environment and society as well. What if we implement affordable technologies and do not care about the already disturbed ecosystem?

Using these facts and figures, we will not only address the water scarcity and drinking water problems but also the water treatment technology will be on the focal point as a whole because river water rejuvenation, ground water level, waste water treatment and preservation of the wetlands are the most important factors to address the issues related to water in local and global communities.

Let me give you a very simple example highlighting the ongoing heavy flood event in Bangalore, India. It's a huge loss for business and for society as well. Why? Because we didn't focus on the infrastructure and ecosystem. We focused more on business and technology. Considering the drainage system in Indus-valley civilization and advanced archaeological structure of Atlantis, we will have to deal with the eco-tech trade-off. For example, we could encourage industries to use an alternative to cement. University of Arizona proposed a lighter, stronger and less expensive than concrete, Accrete uses three times as much waste and converts it into useful building material. Researchers use coal waste to create sustainable concrete. Geo-polymer, a cheaper and greener alternative for cement would be



another solution for next generation infrastructure. This way, we can tackle the issues with flood prone cities like New York, Tokyo, Shanghai, Kolkata and many others.

In Kolkata and in India, I have identified a huge scope on water related projects with local and global communities. How could we advise and consult other small and medium scale enterprises to strategize the plan effectively? And, help them to identify the crisis and help them to create more job opportunities in the local segment. This is where system thinking could take place. How could we make this movement more authentic and progressive?

Engaging art community and encouraging Philosophy, History, Archaeology, Anthropology, Psychology, Liberal Arts, Linguistics, Indian Languages and Culture, Indian Knowledge Systems, Law, Education, Journalism, Mass Communication, Commerce, Management, Environment and Sustainable Development, Humanities and Human Sciences and relevant diversified plus integrated works. This is something related to the future of work. The art policies have integrated and changed in few scenarios as per the International handbook offered by Unesco(Reshaping policies for creativity addressing culture as a global public good). And, this is how we can distribute the income source equally across the verticals.

Jaladarsha Collective, Kolkata

It's a 3 years old environmental conservation organization. It's developed by the urban folks and rural association. They tried to solve the biodiversity problem in local ponds and water reservoirs implementing indigenous knowledge and low-cost sustainable methodology. The children and women self-help groups of the urban and rural communities make eco-friendly products and encourage others to eat local and organic by organizing festive fair within the community circle.

–World's Largest Organic Sewage Management System, Kolkata

East Kolkata Wetlands filters waste water, turning it into a productive fish habitat -- and an engineer-turned-environmentalist is on a mission to save the unique, and free, system. Dhrubajyoti Ghosh, one engineer-turned-environmentalist has been leading the movement to save the East Kolkata Wetlands and its sustainable symbiosis with the metropolis. Determined to protect this one-of-a-kind ecosystem, he began his campaign by identifying the uniqueness and opportunities of the ecosystem. His efforts paid off when East Kolkata Wetlands was recognised as a Ramsar Site (Wetland of International Importance) in 2002. However, for Ghosh, the silver lining is the profound ecological thinking of the urban poor, who sustainably manage the East Kolkata Wetlands. He unhesitatingly credits his knowledge of ecology to them and firmly believes that if nature conservation has to work, then people and public awareness must be at the center. In short, these wetlands are Kolkata's free sewage remediation works, a fertile aquatic garden and, most



importantly, a natural flood defense for the low-lying city. Through this process (called bio-remediation), the waterways clean the city's wastewater in less than 20 days. This purified nutrient-rich water is then channeled into ponds, called bheries in local parlance, where algae and fish thrive. Maintained by farmers and fisher folk, these unique wetlands receive the city's sewage, organically treat it with the help of sunshine, oxygen and microbial action and turn into a productive fish habitat – nothing short of ecological magic.

-- Cauvery Calling, Isha Foundation

Cauvery Calling is a first of its kind campaign, setting the standard for how India's rivers – the country's lifelines – can be revitalized. It will initiate the revitalization of Cauvery river and transform the lives of 84 million people. In 2017, leading the month-long 'Rally for Rivers' through 16 Indian states governed by parties across the political spectrum, garnering the support of 162 million people, Sadhguru arrived in New Delhi to present to the Prime Minister a 761-page report titled Revitalization of Rivers in India: Draft Policy Recommendation. This intensive and exhaustive document – prepared with inputs from various experts from diverse fields relating to forestry, soil, agriculture, governance, finance, corporate, education and development – was taken up for study and action with tremendous alacrity by the Union Government. Under the aegis of the NITI Aayog (a policy think tank of the Government of India, established to achieve Sustainable Development Goals), an Inter-ministerial Committee of government secretaries and experts evaluated the draft policy in detail, and then went on to issue a policy advisory to all 29 state governments about the principles and policies relating to river revitalization. Things started to look up when several state governments across the nation began to implement these recommendations. The ambition is to enable 5.2 million farmers to plant 2.42 billion trees in the Cauvery River Basin in a span of 12 years. Cauvery Calling – the World's Largest Farmer Driven Eco-Movement – was launched.

It's a game changer for many reasons –

- A. Large-Scale And Sustainable Eco-Transformation
- B. Addresses Nine SDGs
- C. The movement's ability to achieve its ambitious, long-term goals is market driven
- D. Two decades of proven ground-work
- E. All-inclusive people's movement with unprecedented support of the masses
- F. Strong Governance
- G. Rural Community Participation
- H. Leveraging existing Government Programs and Schemes
- I. Technology adoption for large-scale implementation of Government schemes
- J. The Largest Network of Organically Produced Saplings in the Country
- K. World's Largest Farmer Driven Eco-Movement
- L. Global Partnerships to Establish a Blueprint



FOOD

Fact: Only 1.5% of the world's land is home to half of its production.

Parameters that need to be evaluated as per the Global Food Security Index body—

Affordability | Availability | Quality | Safety

Canada is successful with community supported agriculture implementation. But, a large portion of India's farmer community demanded a different method to go ahead with. With respect to the democratic values of the society we could open a more sustainable and more profitable path as the problems are global but solutions are very local.

We need a diverse range of foods made locally to avoid the trap and negative influence of monoculture, which is not only harmful for the environment and biodiversity but for human and society as well.

We need to stop Genetically Modified Organisms (GMO) farming and bio-piracy with an immediate effect.

There are two ways to produce foods:

Fully automated and mechanistic way

Permaculture based or natural way, where each and every organism play their roles

As per Nikola Tesla and quantum spirituality, we are not this body. We are energy and we can embrace the physical world through vibration. When a man sows a seed or plant in the soil by hand, it creates and stores more energy value to that crop.

As Einstein said, "Everyone who is seriously interested in the pursuit of science becomes convinced that a spirit is manifest in the laws of the universe – a spirit vastly superior to man, and

one in the face of which our modest powers must seem humble."

The term "raising kundalini" describes the process of igniting the inner fire and purity of energy, not unlike the fundamental laws of nature explained in quantum physics. We float in a universe made up of waves and particles, according to quantum physics. These particles and waves move through a universe that is ever-expanding in a pulsating rhythm likened to breath.

Matthew Fox, the great radical catholic priest, philosopher, and social activist, said that "we too, are both waves and particles- not just individuals but also the expression of the Cosmic Christ (or Buddha Nature) in all things."

The atomic body also contains photons of light. When the particle containing these photons increases in temperature, it emits more energy. Planck's Law explains that not only do they increase in energy but overall, a larger proportion of the energy tends towards the violet end of the spectrum.

So, to make sense with humanity we should engage more humans in basic work, we should adapt the balanced principles of five basic elements of the universe: air, water, fire, earth and space. And, last but not the least, we should control or reduce the over-mechanistic way of doing food production.



Why should we care:-

- Food security trends down
- Access to low quality foods to the rural communities in India, dependent on mainstream or pesticide-based agriculture
- Affordability, the top-scoring metric, got deteriorated by sharp rises in food costs, declining trade freedom and decreased funding for food safety nets.
- The food security gap is widening, reflecting the inequality in the global food system.
- Access to agriculture technology, education and resources and innovation is the key driver in building resilience

Reality check

The way we currently produce and consume food is unsustainable.

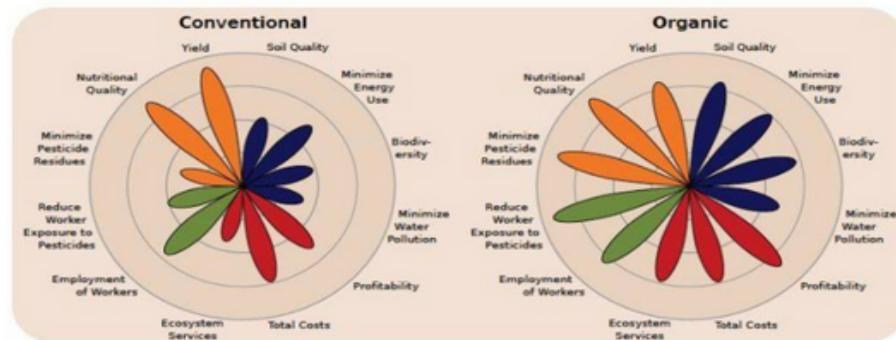
If all fossil fuel emissions ceased today, emissions from the global food system alone would make it impossible to limit average global temperature rise to well below 2 degrees Celsius as targeted in the Paris Agreement.

“Three agreements of WTO directly relate to food – The agreement on Trade Related Property

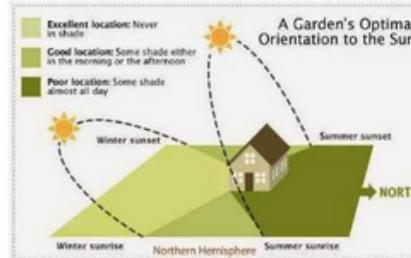
Rights (TRIPS), the Agreement on Agriculture (AOA) and the Sanitary and PhytoSanitary Agreement (SPS).

However, the laws embodied in these agreements work against farmers, against the earth, against our health.

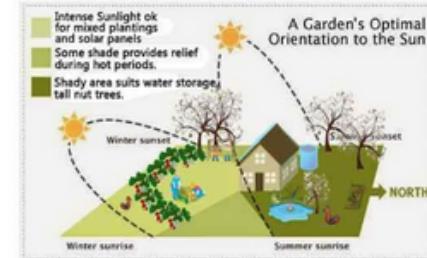
They are rules and laws designed to destroy small farmers, local food cultures, and culturally and democratically defined food safety.”



Conventional Advice



Permaculture Advice



www.PermacultureVisions.com

POSSIBILITIES AND PRACTICAL SOLUTIONS

Permaculture and a more integrated approach like Regenerative agriculture needs to be followed. Organic farming, Aquaculture, Agrivoltaics and Blue Economy based integrated frameworks need to be implemented to revive the wealth of the societies.

POLICY OUTPUTS TO SHAPE A RESPONSE TO THE GREEN REVOLUTION

How to empower, educate and improve nutrition for rural female farmers and laborers

Opportunities for engagement of rural youth and development of entrepreneurship

Identifying appropriate crops and cropping practices for contrasting climatic regions

Enhancing research capacity and skills to address key food security issues for UK and India

GREEN HOUSE GAS EMISSIONS AND SUSTAINABLE AGRICULTURE

The Environmental Impacts of Food, Awareness campaign for water use in agriculture

FOOD SUPPLY CHAIN AND TRADE

Future of Food Value Chains for Multinational Companies - Challenges, Opportunities and Action in Complex Markets

Evaluating the Impact of Digital Technologies on Future Food Supply Chains - Implications for Developed and Developing Markets

The Role of Farmer-Producer Organizations in Developing Socially Responsible Supply Networks

GENDER NUTRITION AND POLICY

Building a Sustainable Food System for Inclusive Economic Growth in Africa: the Policy, Gender, and Nutrition Considerations

Gender Justice, Women's Agricultural Work and Nutrition Security in South Asia

Institutional Innovations, Food Security and Gender: the Potential of Group Farming

EDUCATION

Nurturing local literature, local culture and sentiments in the pre-primary and primary modules. Current curriculum offers a general model and subjective awareness among pupils in such a diverse country like India.

Main focus will be more on learning patterns of humans and we will try to become more advanced species through both ways of sharing processes. The four learning behavior of human—
Visual Learning, Auditory Learning, Read and write learning,
Kinesthetic learning

Proposal of all-out assessment card (IQ, EQ, SQ, AQ)

Catalyze the young minds and groups engaging with student voice in research, education and community

Great leaders and noble teachers seek inclusive education. We need to have an in-depth understanding of General Intelligence (20%), Emotional Intelligence (80%) and Spiritual Intelligence (beyond 100%) to demonstrate that. In the real world scenario, we find that Finland is much ahead of conventional western education.

School administration and management body should implement the Ken Robinson, Rabindranath Tagore's philosophy on education. We seek a knowledge society. Sir, APJ Abdul Kalam and Swami Vivekananda drafted the principles of Mass education. Liberal Arts help us to think rationally.

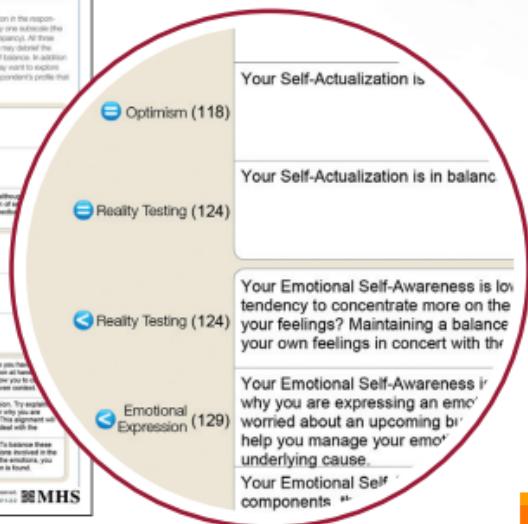
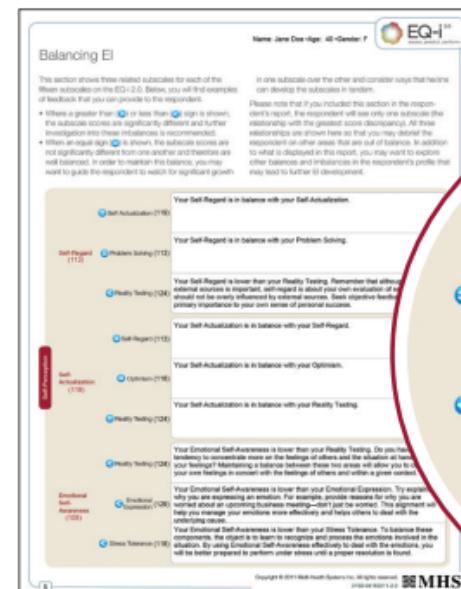
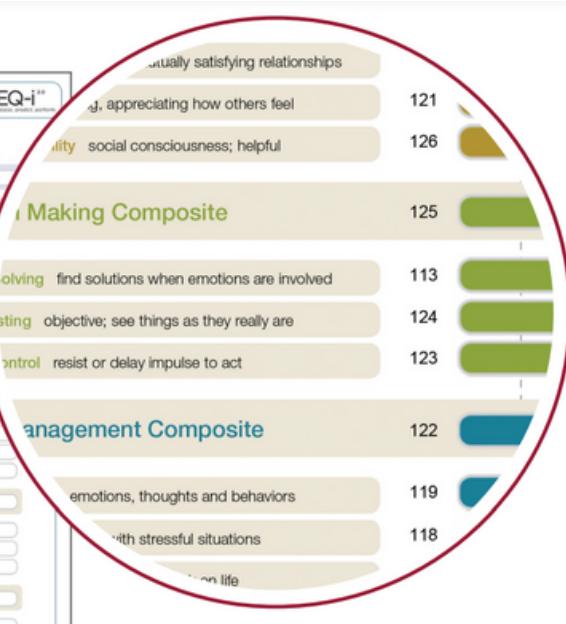
Nurturing Emotional Intelligence, Social Intelligence, Creative Sense along with the required informational education within the groups so that we can deal with the informational imbalance and

We can develop full-fledged human traits as well. Ingenuity, Accountability, Compassion, Transparency, Soulfulness, Kindness these are the highest forms of intelligence.

Policy makers could rethink soil, air, water quality across the globe and design a framework that could help us to create a ground for education which could make sense and drive innovation where we could say that “yes, the aim of science is to develop human livelihood and progress”.

“The end of science is not to prove a theory, but to improve mankind” ---Manly P. Hall

As an organization, we could play the role of advisor, mentor, leader, guide, institution and many more. Influencing government bodies to take better decisions and help to reduce political affluence in education in countries like India. The motivation is to set a path of righteousness, believed by millions, followed by billions and inspired by the race.



FUTURE SPACE

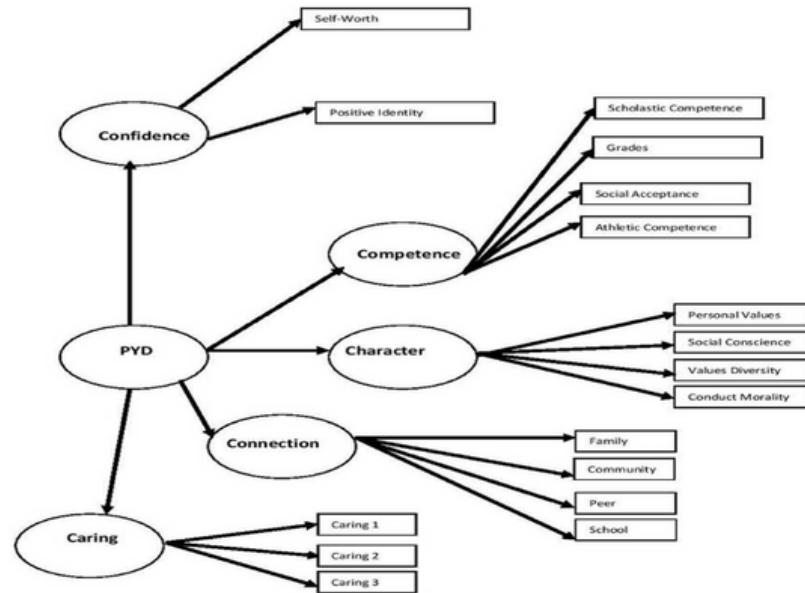
Sports as a youth development instrument: Beyond Sports Philanthropy

Emergence of Positive Youth Development and Applications to Sport. Accordingly, we could develop a framework for studying and nurturing psychology, sports-for-development programs and life skills as well. Here you can find a structured intuition for implementation—

We could encourage schools and universities to adapt this customizable and flexible framework in their local settings. We could influence sports organizations to redesign the existing economic model aligned with sports and social development. In other words, we could offer a prototype where each school and local institutions will be part of a large decentralized network offering participants more inclusive training, stipends, attractive exposures and reliable economic support to bring a positive hope in sports careers.

Develop a multilateral Quantitative Assessment of Positive Youth Development in Sport and seek for better community reach in which we would look for marginal communities along with the serviceable areas across the local and global regions.

This is how we could leverage the most out of the kinesthetic learning and collective corporeal intelligence of the society. Our



inspiration, dream and vision and mission statements should transform the society by remembering and inheriting the spirit of the game, the instruments of mental health, realizing the strength of the individual and team to create a resilient community.

Music as a youth development instrument

Music is related to our cognitive and spiritual intelligence. The contributions of actively making music during the intellectual, social and personal development of youth have been researched and celebrated widely. Hallam in 2015, offers a broad number of ways music learning can contribute to various aspects of young people's human development, including:

- motivation and re-engagement with education
- social cohesion and inclusion
- pro-social behavior and teamwork
- empathy
- psychological well being
- personal development and self-belief
- physical development
- health

Conventional way of looking at Youth Development:

A. It can be viewed as a natural process: "The growing capacity of a young person to understand and act on the environment."

B. It can be defined in terms of principles, "a set of principles, a philosophy or approach emphasizing active support for the growing capacity of young people by individuals, organizations and institutions, especially at the community level. The youth development approach is rooted in commitment to enabling all young people to thrive."

C. It can also be seen as a set of practices, "the application of the principles to a planned set of practices or activities that foster the development process in young people."

Integration with music: parallels with transformative stages of language development

Musical development doesn't come from a predetermined

exceptional ability to absorb and recite particular forms of musical literature, but – similar to language development, as the opportunity for all children to embrace what music contributes to unfolding phases of a lifelong fulfillment of human potential. Create accessibilities and services for more earning opportunities and purposeful art community engagement events:

Mobilizing the learners or active participants.

Make society aware about environment and social issues by developing innovative programs like musical drama, musical performing art etc.

Changing the Ecology of Music Learning: Higher Education Music Programs as Youth Development

Cultural Expression as Creative Youth Development: Experiences with the Palestine National Music Conservatory

A National Orchestra for All: An Ethos of Inclusiveness within Music-Making for Positive Youth Development

From Problem to Progression: withdrawing from reductionist mindset and hyper-nationalism to sensible nationalism and accepting global citizenship in a global community with strong local ethos and cultural sentiments.

Musical Futures: Informal Group Music-Making in Schools as a Context for Youth Development

Making Music, Promoting Development: The Power of Practice

Selling art on Instagram, Teaching art online or face-to-face, Selling vector designs on Sellfy, Applying for grants and competitions, Earning passive income by selling wall art, Selling other merchandise with your art, Seeking commissions for original work, Writing an art blog, Selling art on Etsy, Selling digital art on Creative Market, Selling canvas paintings on

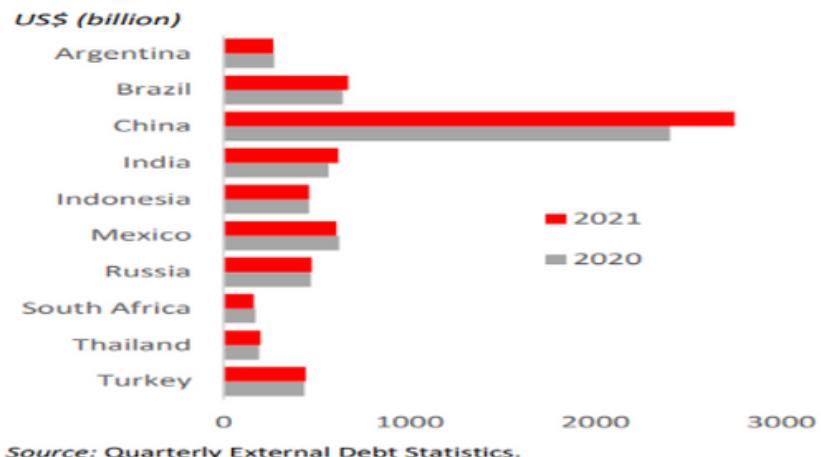
Saatchi Art, Earning income with YouTube art tutorials, Selling at art fairs, conventions, or festivals – these are some ways the artists can mainstream their income. Our intention should be more organized so that we can reduce the inequality of income, make society more liberal and educated, and transform the living patterns of human society along with the whole ecosystem. Because I believe, art, freedom and creativity will change society faster than politics. I admitted art is organized beauty while acknowledging Immanuel Kant, “Science is organized knowledge; wisdom is organized life.”

Debt, Inequalities, Resource Allocation and Wealth Distribution

As per Jeffrey Sachs' confession in a Prague Finance Institute's interview conducted in August, 2022 "avoiding contagion defaults or contagion of insolvencies and sharply determined public investments and social spending" are the few positive solutions for economic crash. He admitted in that conversation, United States Department of the Treasury, European Central bank or similar financial institutions and entities are not smart, not reliable and not foolproof. In July, 130 countries backed a global minimum corporate tax rate of 15%, and Stiglitz said that move has ended the race to the bottom on taxes, highlighting how the U.S. is considering a 25% rate. A successful economy is not defined just by tax rates but also by other factors such as infrastructure and research and development efforts, Stiglitz said. Paul Krugman, Jeffrey Sachs, Joseph Stiglitz are the front level professors in Economy, Policy-making and Sustainable Development and they have been recommending the solutions for many years. We should acquire the knowledge of Jean Dreze, Amartya Sen, Abhijit Vinayak Banerjee, Noam Chomsky and like-minded people as they worked at ground level with local communities and their experiences and suggestions could help us in transformational wisdom.

Going beyond the technical solutions let's look at some figures:

Figure 2: Top Ten Borrowers - External Debt Stocks, end-2020 and end-2021



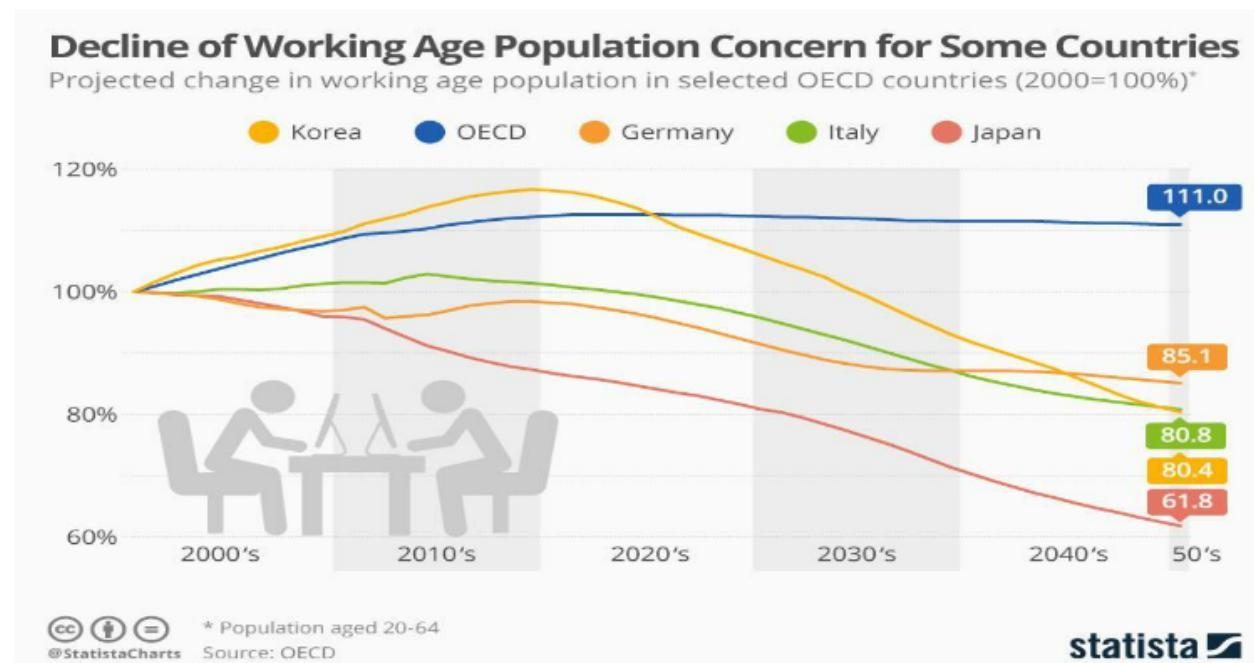
Source: Quarterly External Debt Statistics.

Let me give you a very simple example highlighting the ongoing heavy flood event in Bangalore, India. It's a huge loss of business and for the society as well. Why? Because we failed in some way or other focusing more on the infrastructure and ecosystem rather than business and technology. Similarly, to counter the global scarcity, if we manage to identify the locations with significantly lower ground water level and its root causes with the power of analytics and take responsible action by planting a sea water desalination plant. But, what if we overlook the waste material called brine from this process then it can harm the environment and society as well.

NATION'S MIDDLE AGE CRISIS

A world bank study concludes that financial security for the old would be better served if governments developed three systems, or "pillars" of old age security: 1) a publicly managed system with mandatory participation and the limited goal of reducing poverty among the old; 2) a privately managed, mandatory savings systems; and 3) voluntary savings.

A new demographic dividend – the “longevity dividend” – is emerging as populations age. Singapore, one of the most rapidly aging populations in the world, and Japan, where around 25% of the population is older than 65, are already responding to this demographic shift and benefit from it. From innovative retirement income and care programs, Japan and Singapore's governments are already seeing positive results. Same way, Tata Group recently invested in a startup that helps lonely senior citizens. Goodfellows, a startup that connects youngsters with senior citizens. We need a few robust solutions with community support for all ages.



ENERGY CRISIS IN EUROPE

- Accelerate the deployment, by fast-tracking existing projects and streamlining permitting processes
- Allocate the space to enable large scale buildout towards and beyond 2030
- Activate the industry to help solve the challenges around an expedited buildout
- Appoint a clear role for hydrogen and e-fuels to unlock investments into the future renewable hydrogen economy
- Enabling Infrastructure and enabling services with the short and long term plan to maximize the effectiveness
- Fostering innovation connecting SMEs and respective communities to manage the power demand inferring a mesh topology

BALANCING THE ACT

Addressing climate change requires that we transition quickly to renewable energy while grounding our efforts in human rights. Indigenous peoples—groups such as the Saami in Norway, Sweden, Finland, and Russia, and the Guarani in Brazil—are among the first and worst affected by climate change due to their close relationship with the environment and reliance on natural resources. Warming weather and sea ice loss across the Arctic, for example, are changing the availability of traditional food sources and increasing the risk of travel for the indigenous peoples that rely on the Arctic land and waters. In the Amazon, deforestation, decreases in rainfall, and increases in droughts are negatively impacting indigenous peoples' livelihoods and access to water.

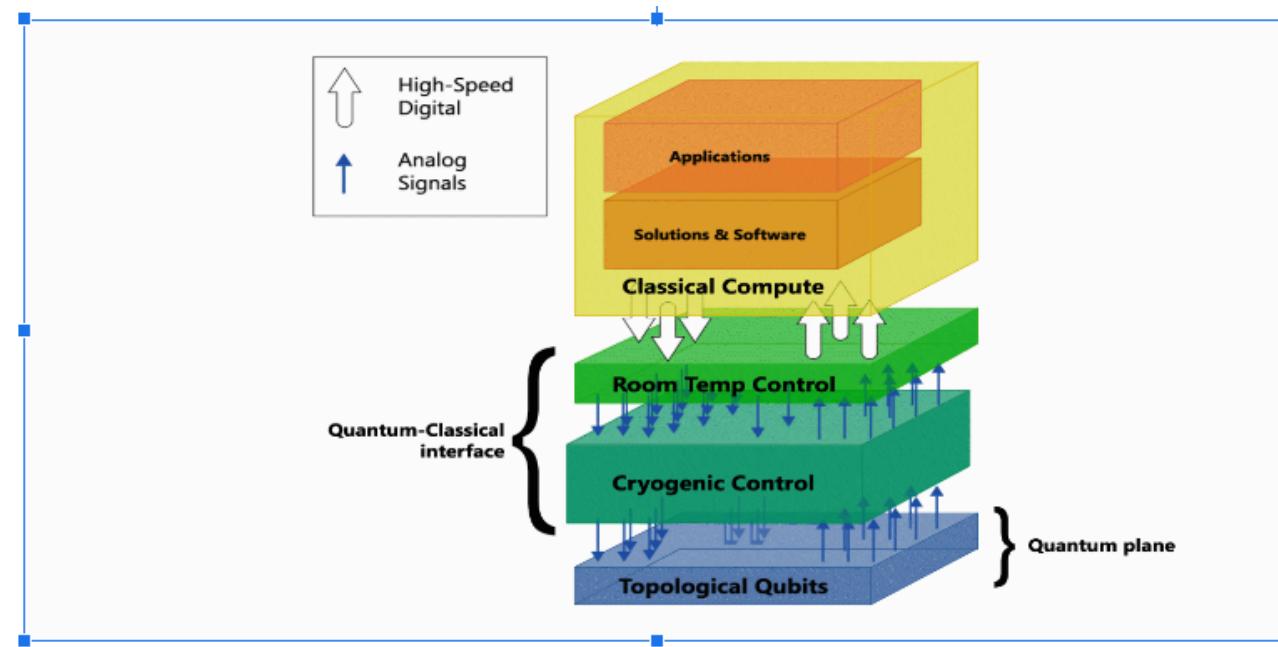
We should influence the stakeholders, government body, policy makers, small and medium enterprises to incorporate sustainable practices in the product making process. For example, we could use bamboo, hemp or industrial and agro waste to make paper instead of deforestation, amazon or other forest areas.

"And somewhere there are engineers. Helping others fly faster than sound. But, where are the engineers
Helping those who must live on the ground?" —Unknown

ENABLING QUANTUM MECHANICS SOLUTIONS

Quantum stack diagram. Topological qubits sit at the bottom of the stack in the quantum plane along with other electronics needed to help with the processing of information from raw qubits. The Gooseberry chip sits very near the qubits, while Alta is positioned at the bottom of the “Classical Compute” portion of the stack, where it is in communication with both Gooseberry and components higher up the stack.

Quantum computing may seem like the next frontier, its foundations have actually been around for billions of years—in the natural world. Quantum Impact can be used to explore the ways in which we can tap into nature’s organic systems and processes to help solve some of today’s most pressing issues around climate change and environmental sustainability. Join Dr. Julie Love, senior director of quantum business development at Microsoft, and Lucas Joppa, Microsoft’s chief environmental officer, as they discuss the complex problem of land use optimization, one environmental challenge that can be addressed through quantum solutions. Similar way, we can harness the power of quantum cryptography in internet security.



EMERGING OPPORTUNITIES AND PARTNERSHIPS

Strengthening the social innovation network by scaling up the local communities associated with interlinking channels and bodies. Partnering with NGOs and social organizations to build a strong social innovation network in developing countries.

Example: Amazon Karigar is a program to enable and support the Indian artisans and their artforms. Through the program, Amazon aims to help the artisans in building their businesses and increasing chances of them becoming successful on Amazon. Indic Inspirations tells tales of Indian history and culture with beautiful products. After their association with Amazon Karigar Program, they witnessed a significant growth in their business leading to Indian heritage reaching more people.

Mentioning a few remarkable foundation active in India -- Raah Foundation, Mohanam, Dr. APJ Abdul Kalam Center, AgriWatch 2.0, RN Art Foundation

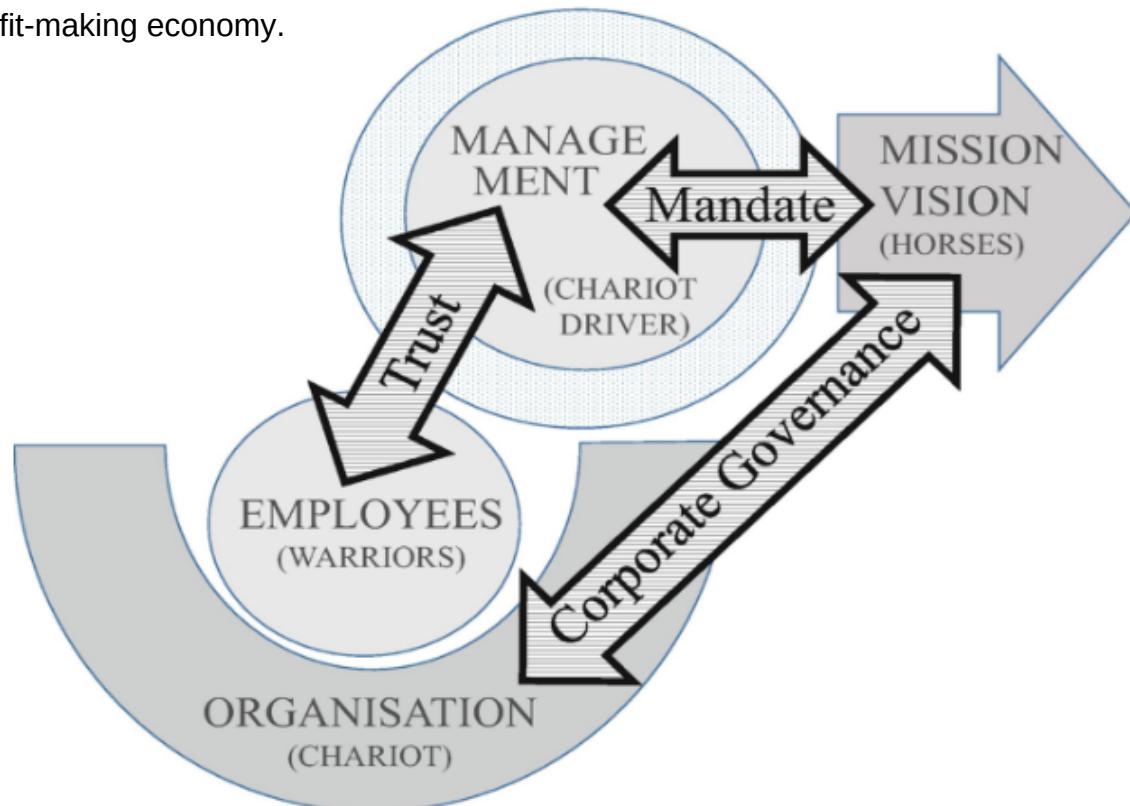
Local Economic Development through strategic formulation

- Redesigning policy and regulation
- Stakeholder implementation group
- Project demonstration, Research and Analysis
- Local procurement and “buy local” campaigns
- Marketing and Knowledge Management
- Networking incubators and training and skill development center
- Micro and Small-scale Enterprises Development Center
- Enabling Infrastructure
- Cluster of awareness camp and town center
- Developing product led organization
- Co-operatives, partnership and institutional coordination mechanism
- Micro-credit and local banking
- Local currency or community currency system
- Promoting Foreign Direct Investment/Local Inward Investment
- Support for the informal sector
- Sustainable Tourism Development
- Urban-Rural linkages
- Invest in natural capitals

EPILOGUE AND LEARNING POINTS

Being a citizen of Gandhi's land I must say, "Money is a very strange object indeed. Most men want to possess money without realizing that slowly money begins to possess man. Money and all will come of themselves, we want men, not money. It is the man that makes everything, what money can do?"

Money delivers the basic, satisfactory and luxurious needs of life. But, if we don't focus on the man-making industry then crashes will happen everywhere. We must admit that "doing 16-18 or sometimes 20 hours of hard work a day will reach you to that point of success", this is a lie and myth. This is a linear thinking of society. There are certain factors named "productive hours", "brain waves", ``concentration level", "work-life balance" and "creativity". If we try to investigate the reason behind the emergence of a circular economy, we must accept the unsustainable and vulnerable trends and practices of a linear profit-making economy.



The state of art of management through the lens of Bhagavad Gita

Let me give you a very simple example highlighting the ongoing heavy flood event in Bangalore, India. It's a huge loss of business and for the society as well. Why? Because we failed in some way or other focusing more on the infrastructure and ecosystem rather than business and technology.

Similarly, to counter the global scarcity, if we manage to identify the locations with significantly lower ground water level and its root causes with the power of analytics and take responsible action by planting a sea water desalination plant. But, what if we overlook the waste material called brine from this process then it can harm the environment and society as well.

As a next generation leader or entity or company, we should encourage people, private and public sectors, small and medium scale enterprises to adopt the sustainable practices in their day-to-day life and businesses. As a change maker, we shouldn't blindly follow the competitors. We should follow the path of truth and justice. The competitors will follow us.

Why should we learn from the managed system of nature or earth itself? Hyper-globalization means localizing the development.

We are working around the concepts of AR, VR, Metaverse etc. But, we must learn to look through the eyes of the father of Virtual Reality (Jaron Lainer) or the father of Artificial Intelligence (Marvin Minsky).

Have we ever thought how much we declined since the invention of the internet? We progressed in so many verticals. Where we did not progress is much more important to sustain the entire ecosystem. From pornography to dark web, drug dealing to unfair local and international affairs, fraud and illegal hacking to misinformation. So, we progressed but lost the degree of humanity.

“I think there should be regulations on social media to the degree that it negatively affects the public good”

MACRO&MICRO : THE INTERCONNECTED WORLD

After the second world war, the Nordic countries developed strong features of CMEs where coordination through networks are vital complements to market arrangements. In the Nordic countries, national and municipal levels of governance are quite strong, while intermediary levels are weak. This allows local sectors to have a strong agency, which is necessary to implement national policies. Leveraging the power of communities: the global debt factors and emergence of circular economy and see crisis as an opportunity. The debt amount is equal to 3% of the exporting revenue in developing countries. It's more stable than developed nations.

System Thinking should follow the flow this way—

Entity Relationships Emergence of integrated services and principles Sustainable Solutions A lesson from finnish education: the delicate balance between job skills and life skills.

Integrate sustainability across your organization's value chain with the University of Cambridge.



“I WOULD TRADE ALL OF MY TECHNOLOGY FOR AN AFTERNOON WITH SOCRATES.”

“TECHNOLOGY ALONE IS NOT ENOUGH. IT'S TECHNOLOGY MARRIED WITH THE LIBERAL ARTS, MARRIED WITH THE HUMANITIES, THAT YIELDS THE RESULTS THAT MAKES OUR HEARTS SING.” – STEVE JOBS



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