

Science for life

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Highlights:

- * To overcome the dire crises of our technology-driven civilization we must learn how to work with life and not to fight against it.
- * To this aim science enables us to enhance the quality of all of life, by uncovering that knowledge which everyone can use to achieve their freedom through the medium of technology.
- * In application to medicine, life-supportive technologies are based on intelligent cooperation with the body.

Introduction

To overcome the dire crises of our technology-driven civilization we must learn how to work

with life and not to fight _against_ it.

It is vitally important to recognise this distinction, because in exploring our creativity we have pushed the limits of technology in every possible way, but we have done so with complete abandon and disregard for the consequences. Now, as we are starting to face those consequences, a fierce debate has emerged about whether we should build more of the same technologies, hoping to fix what was destroyed or maybe we should abandon technology altogether and return to some form of primitive society. The mass media are full of post-apocalyptic visions where technological catastrophes have forced humanity into animal-like existences. But it is a fundamentally flawed and misleading debate!

The actual challenge is to recognise that we must create, not based on artificial abstractions and self-centered motives but on the fundamental architecture of life. Our true potential as creators lies within our science and technology being _true to life_.

In the previous article I presented *science for manipulation* that is motivated by the self-centered need to control and forcefully manipulate the world in order to get what we want. Viewed from this point of view, science focuses on the mechanisms, the internal workings of nature, in order to devise technological tools for the most effective manipulation. In essence, the entire world, including the human body are seen as purposeless, unintelligent, raw materials waiting to be molded, used or even abused as we see fit.

In this article I will outline what I call *science for life*. This vision for science recognises that life evolves according to its own inherent principles. To forcefully violate these principles is to act against life and ultimately to self-destruct. Viewed from this point of view, science should uncover such knowledge that will enable us to create the technological means to improve the quality of all of life and lead us to freedom as a part of the greater whole.

Note that science for life does not deny or reject the knowledge achieved via science for manipulation. Most of what we currently know about us and the world was gained through trial and error and therefore is hard-won experience of life. Moreover, the skill and technologies for dissection and destruction are part and parcel of our potential, just like methods for synthesis and creation. However, we need to evolve and incorporate what we know about manipulation into the larger context of life. Only in this way can direct manipulation be safe for all involved.

Motive

Firstly, science for life is not an idealistic daydream, but rather a highly practical and economically efficient way of relating to the world.

Speaking broadly, every step taken against the sweeping current of life creates negative resistance and demands extra energy, time and resources. But every effort applied along the evolutionary current will be upheld, multiplied and carried through by the natural, inherent needs

of life itself.

The following video illustrates it superbly:

(youtube: <https://www.youtube.com/watch?v=4EUAMe2ixCI>)

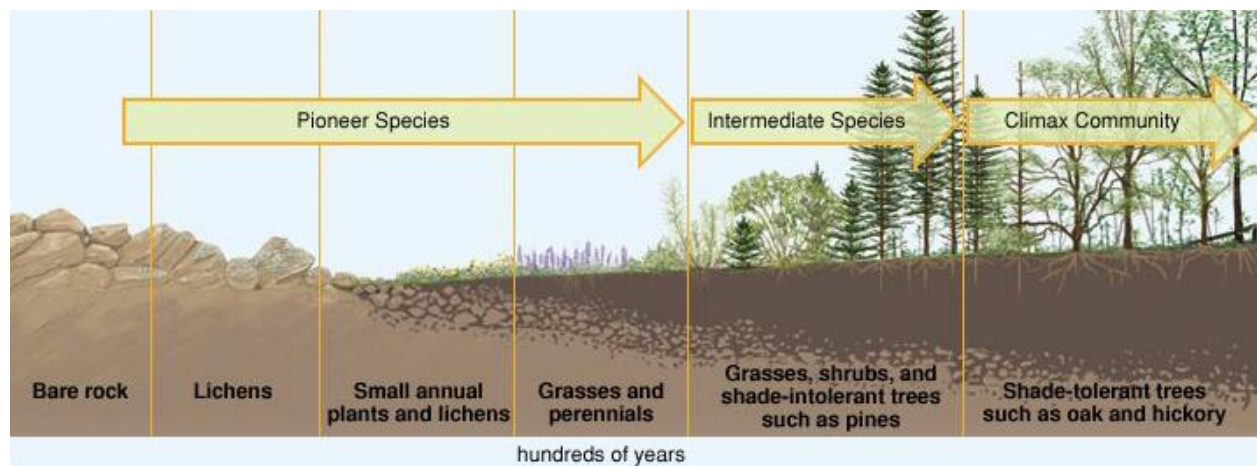
It is not hard to see that self-centered motives can exist only under the illusion of separateness when we isolate our wellbeing and health from that of the rest of the world. But when we recognise the interrelated nature of life then clearly I cannot thrive at the expense of all of life around me. This is why the health of birds feeding on fish is an indicator of how healthy is the entire ecosystem and hence the economic returns of the fish farm.

We arrive at the following definition of science:

> _"Science is our ability to enhance the quality of all of life, by uncovering that knowledge which everyone can use to achieve their freedom through the medium of technology."_ Théun Mares

This vision of science is vital for the current turning moment in the history of humanity. Currently we maintain our way of life by reducing and disintegrating natural systems in order to capture the released energy and materials. We burn fossil fuels, mine for metals, replace rainforests with cash crops and so on. In other words, we reduce very complex systems to more simple and primitive elements.

But if you look at any natural process you will see that life always creates conditions for more life.



Even a pile of rocks in time could be a lush forest. First, primitive microbes feed on crumbling rocks and contribute to further bedrock weathering. They also leave behind organic residues. New soils increase in depth and gradually the soil is able to support higher forms of plants and animals, starting with pioneer species, and proceeding to more complex plant and animal communities.

Across eons and continents this natural process has created countless environments suitable for more and more complex and diverse forms of life.

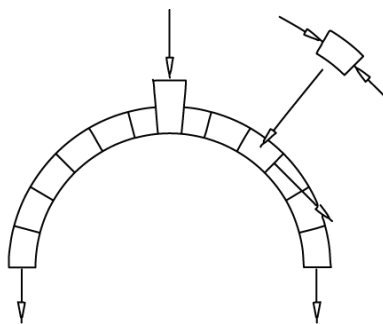
Life always builds up, enriches, strengthens and evolves.

We are lacking in knowledge not about how to break things down, but about how to cooperate with life in the process of co-creation. Therefore we need to turn our scientific instruments to the study of the fundamental principles along which life has evolved on this planet for billions of years.

Fundamental Principles of Life

Some of the best insights about the principles of life we can gain are from discoveries made in the fields of ecology, biology of evolution and biology of complex systems. But the irony is that because we are so deeply invested in the study of mechanisms we become blinded by the sheer complexity of life, the incredible amount of detail about how life works, what life forms are made of and how they internally function.

To see the overarching principle one needs to step back from the details and try to grasp the underlying patterns, proportions and relationships. Consider, for example, architecture.



Practical knowledge of how to make and manipulate building blocks is obviously necessary to build a shelter. But to raise a coherent structure that is structurally sound and highly efficient in terms of spent time, energy and materials the builder has to rely on his knowledge of patterns and proportions. An arch, for example, is one such pattern of distribution of forces that can be readily implemented using locally available material such as wood, stone or even nothing but snow.

Likewise, the Fundamental Principles of Life are those major relationships that set patterns in life forms from individual cells to global ecosystems. Each of these principles is an esoteric statement but once scientifically demonstrated and verified, these principles can guide the development of any man made technologies.

There are five such principles that have direct relevance to medicine and healing:

1. Life is a re-generative process
2. Life is one inter-connected whole
3. Life is a gentle, natural process of evolution
4. Life is self-sufficient and self-sustaining unto itself
5. Intent is the one and only pervasive force sustaining all of life

In another article I will use the example of coMra-Therapy to demonstrate how these principles can be implemented in a life-supportive medical technology.

Intelligent cooperation

If we think about the Fundamental Principles of Life as major patterns in the architecture of life then there is one more concept that acts as a glue that holds everything together. Understanding and implementing this concept is the key to discovering the method to be employed in constructing life-supportive technologies.

In the example above we saw that a rich and healthy ecosystem can provide abundant food and shelter in a true win-win configuration for all species concerned: a bird sanctuary, a water purification plant and a successful fish farm that does not require artificial feeding. The long-term efficiency of such a system is astronomically more than the efficiency of any artificial system, because the former has a built-in potential to regenerate itself from within for hundreds and thousands of years!

The million dollar question is what method do we need to employ to create such incredibly complex but apparently very successful ecological systems?

An attempt to identify, control and micromanage every single chemical, biological, energetic

process of such a complex system would be extremely complicated and prohibitively expensive. It is for this reason that we have replaced wild and rich ecosystems with monoculture crops to simplify and cheapen industrial agriculture.

On the other hand, do you remember what the biologist said in that video? He said

"I am not an expert on fish, I am an expert on relationships".

This may seem a paradoxical statement since this is after all a fish farm. But if we choose to look past the mechanical clockwork and see a dynamic web of relationships between plant, plankton, fish, bird and human life forms what we will see?

Quite simply, intelligent cooperation in action!

Later in a separate article I will go into more detail about this key concept. But for now, for the sake of simplicity we can define intelligent cooperation as a way of relating when:

- * Each party can discriminate between what it needs and what it should avoid (being intelligent)
- * Whilst striving together, in a mutually uplifting way (co-operating).

We can see examples of intelligent cooperation all around us. Take for example, an orchestra. In a great orchestra every musician is a master of his or her instrument. The musicians obviously know how to read the score and how to handle the instrument to play their part. But they need a conductor to help them achieve harmony between each other. The conductor, on the other hand, relies fully on the intelligence and skill of the musician and therefore does not have to bother with micromanaging each string and key. Therefore, the conductor is free to focus on setting the tempo or coordination for the whole orchestra. And the result is music!

Watch at least the first few minutes of the following video to see intelligent cooperation in action.

(youtube: <https://www.youtube.com/watch?v=ChygZLpJDNE>)

Can we take the best from our knowledge of function, mechanism and manipulation of nature and apply our creative genius in support of life? Yes!

Introducing intelligent cooperation to medical technology

Intelligent cooperation underpins all of life. And the degree to which intelligent cooperation takes place determines how rich, diverse, resilient and healthy a system is. The reason for this is that "music" from an orchestra with an astronomical number of members, such as an entire Amazon rainforest or trillions of cells in a human body is impossible, unless the process of intelligent cooperation at every level produces ****coherency****. Only highly coherent systems can operate very efficiently and deliver the maximum benefit to all members.

So when it comes to medical technology, we can approach healing the body as a process of restoring coherency of diseased cells and the body. What we need to do is to learn about ways to intelligently support the diseased cells and leave all the microscopic manipulation and the complexity of regulating the body's systems to the only expert that is fully qualified for this job - the body itself!



In coMra-Therapy we apply highly coherent forms of non-invasive energy directly to the cells and organs that are affected by a pathological process. As these cells restore their internal structure and function, they in turn take care of the disease and naturally resolve the symptom – be it pain, trauma, suppressed immunity and so on.

In the following articles I will expand on the different aspects of science for life and demonstrate these with respect to coMra-Therapy.