

Andreas Dvořák

# Humanity 10.0



Shaping our  
future together!

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## **Preface and acknowledgements**

How many stages of development has humanity been through?  
How many concepts for the development of our societies already exist?

When will we humans become a true world community?

I have not found the answers to these questions.

Therefore »Humanity 10.0« evolved as a proposal for the further development of humanity towards a randomly chosen level / version 10.0.

This is a book about a future worth living for all people. It is based on us as humans and our ability to ultimately make the right decisions.

Humanity has reached a crossroads. We will only survive if we are able to positively shape the future with common visions and concrete plans.

»Humanity 10.0« is a building block for the future that can help us meet upcoming challenges.

True to the concept of working together to shape the future, several people have already provided helpful feedback on »Humanity 10.0« or collaborated on it.

I would like to thank my family and friends for their cooperation and understanding. Developing the ideas as well as working on the book was time-consuming, time which was almost certainly lacking elsewhere.

My sincere gratitude to everyone who has had a special part. Many thanks to Andrea, Aline, Alexander, Carmen, Heike and Ralf, Karin

and Gert, Barbara and Andreas, as well as Jolanta and Edwin, who also translated the book into English and French.

In the hope that the effort was worthwhile - enjoy reading the book!

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Dear reader

See you soon

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## Five questions and the book

The five questions that are so important for us, are easily formulated. Is everything that is currently around us and what should/could/will happen in future, positive or negative for:

- The individual **human** (you / me)?
- My/our **surroundings**?
- My/our **community**?
- The entire **environment**?
- **Humanity** as a whole?

The questions arise as common areas of focus for people, regardless of the form of society in which they live. The book provides many ideas and links, however, the most interesting is that based on these five questions, a concept for a better future can be developed.

Most people are interested in the present and the near future and they also remember the past. Thinking about visions, goals, and our future often needs impulses at first. This is the intention of the section "At the Beginning".

Facts from our environment follow in Part 1, "What surrounds us". The intention of these is to further introduce the topic and underline the necessity of »Humanity 10.0«. Trends are particularly important. These play a significant role in determining what our future will look like. A future concept can influence trends early on and sustainably for the benefit of people, so that corrections that cannot be avoided become necessary later.

Part 2, »Humanity 10.0«, describes the idea, the approach, and the principles of »Humanity 10.0«. In addition to the visions, goals and principles are defined, which seem particularly important for »Humanity 10.0« and for the development of adaptable societies. In order to achieve the goals and to be able to manage the complexity of a future concept, the development of a simple, universal, and future-proof values / rating system is proposed. This can develop in parallel to everything that already exists. The basic ideas behind this are described but it is up to us humans to develop it in detail. This will require a lot of scientific creativity and a great deal of expertise.

Part 3, “How does »Humanity 10.0« operate?” takes up individual topics from Part 1 “What surrounds us”. It explains how »Humanity 10.0« should be applied and which impacts can be achieved.

The focus of this part is to increase understanding and encourage reflection on the further potential of the concept.

One of the most pressing questions is: How can »Humanity 10.0« be introduced? A plan for the introduction is available in Part 4, “Introducing »Humanity 10.0« “.

As it is not possible to estimate how quickly the ideas will spread, no statement can be made regarding the time frames. If, as intended, an increase in all social forces follows, the efficiency and pace of introduction will increase.

As far as the implementation of ideas and enforcement of change is concerned, many tools and extensive know-how already exist.

Part 5, “Motivation” is intended to further stimulate the desire to think about the future. Here, additional aspects are presented, which illustrate how thinking about the future in the context of »Humanity 10.0« can lead to new ideas.

Furthermore, this part includes the presentation of benefits for various organisations and for us humans.

Part 6, “Finally” includes a summary, remarks, and an outlook.

The appendix includes the “Detailed description of the values/ rating system”, as well as notes on the procedure for the rating of issues.

# At the beginning

## Introduction

Since the beginning of humanity, the opinions about what we humans can influence have always differed. What can we or cannot we change?

What we consider to be able to effectively influence, is very much dependant on our personal perceptions and character traits.

“Where there is one body, there cannot be another.” This is a simple and recognised concept in physics.

A person can exert influence, for example, by moving a car. If the car is moved to a place where another car is already located, a collision will occur. We understand this and accept it.

There could be other factors playing a role in connection with the accident and collision, such as slippery roads, bad tires, and malfunctioning brakes. We can recognise these factors and take them into account in future.

The driver is not only injured – he dies. What was responsible for his death? Why exactly did this person have to die?

In life, many questions remain unanswered.

When questions remain unanswered, we fill that void with new knowledge, speculations, distraction, hope...or we are at a loss for answers and helpless.

There will always be unanswered questions.

However, there are issues, on which we humans have direct or indirect influence. This book focusses on these issues and

knowledge-based information.

The predominantly philosophical aspects relating to the meaning of us as humans and our actual influence do not play a major role.

We humans have been around for approximately two million years and, up to now, we have always adapted or had to adapt to various living conditions.

The right combination of taking short-term action and making longterm change in our behaviour patterns was the key to success.

Nowadays not completely unfounded doubts exist about the (too) short-term actions taken by us humans and goal-oriented strategies for mastering current and future challenges are lacking.

Some people fear this situation, others have ceased thinking about the complexity of the world or do not see a chance to initiate the changes that are necessary.

Currently attempts are being made to compensate for the lack of suitable strategies through increasingly short-term activities. This is not very helpful, because it leads to unrest and insecurity amongst us humans and deprives many of the hope for a future worth living.

But there is also another side; people who are enthusiastically committed to the well-being of all and are optimistic about the future. The current focus is often on improving individual living conditions. In the case of medium- and long-term issues, the focus is on environmental and climate protection.

»Humanity 10.0« aims to convey a vision and provide hope and optimism through a concept for the development of sustainable societies, as well as paving the way towards a future with more satisfaction.

»Humanity 10.0« is based on facts, however the importance of ethical values and differences in perception are, in no way ignored. “Humans” are the focus, but not every subjective perception of reality can be considered.

The best way to deal with reality is to accept it openly and objectively. This includes seeing ourselves as part of the bigger picture and recognising our strengths and weaknesses. Our future depends on the ability to work together and protect our environment.

By incorporating the aspects presented in »Humanity 10.0«, the chances are good that we will be able to rise to the challenges facing us.

»Humanity 10.0« is targeted at everyone.

At families, who are concerned about their children’s future.

At leading organisations and personalities, who must, or rather should, ensure the future of all people.

Progressive organisations and visionaries should be given a platform, in order to be able to combine forces.

»Humanity 10.0« is intended to give hope to the disillusioned and discouraged, as well as the possibility to reorient.

»Humanity 10.0« offers every single person and each organisation chances to further develop.

This book is not a novel, not prose, not a thriller, not an operating instruction manual and not a scientific paper, it is a combination of many things. It somehow combines all the above; also dreams, the possible “happy end” and the suspense of whether it can succeed. Behind many seemingly trivial thoughts, there is a deeper meaning waiting to be discovered.

Ultimately, the book aims to encourage first “intellectual selfattempts” at rating current issues and trends.

Thinking about what the future holds for us all is not something that we do every day, which is why the first chapters of this book are intended as a warming-up phase.

## **Wake up!**

A survey under the heading “Was it better in the old days?” carried out by television channels in about 60 countries, came up with the interesting results.

All survey results are available and can be sorted by various criteria.

The survey was designed for young people, but open to whoever wanted to participate.

There were varying percentages in the different age groups, however the general trend of responses was predominantly the same.

Despite country-specific variations, definite trends showed up in the responses.

Even if the participants did not represent the average of the population groups, 300,000 opinions cannot be so easily ignored.

The future is seen in a more negative light by all (regardless of age) compared to the past or present.

This is concerning and rather sad.

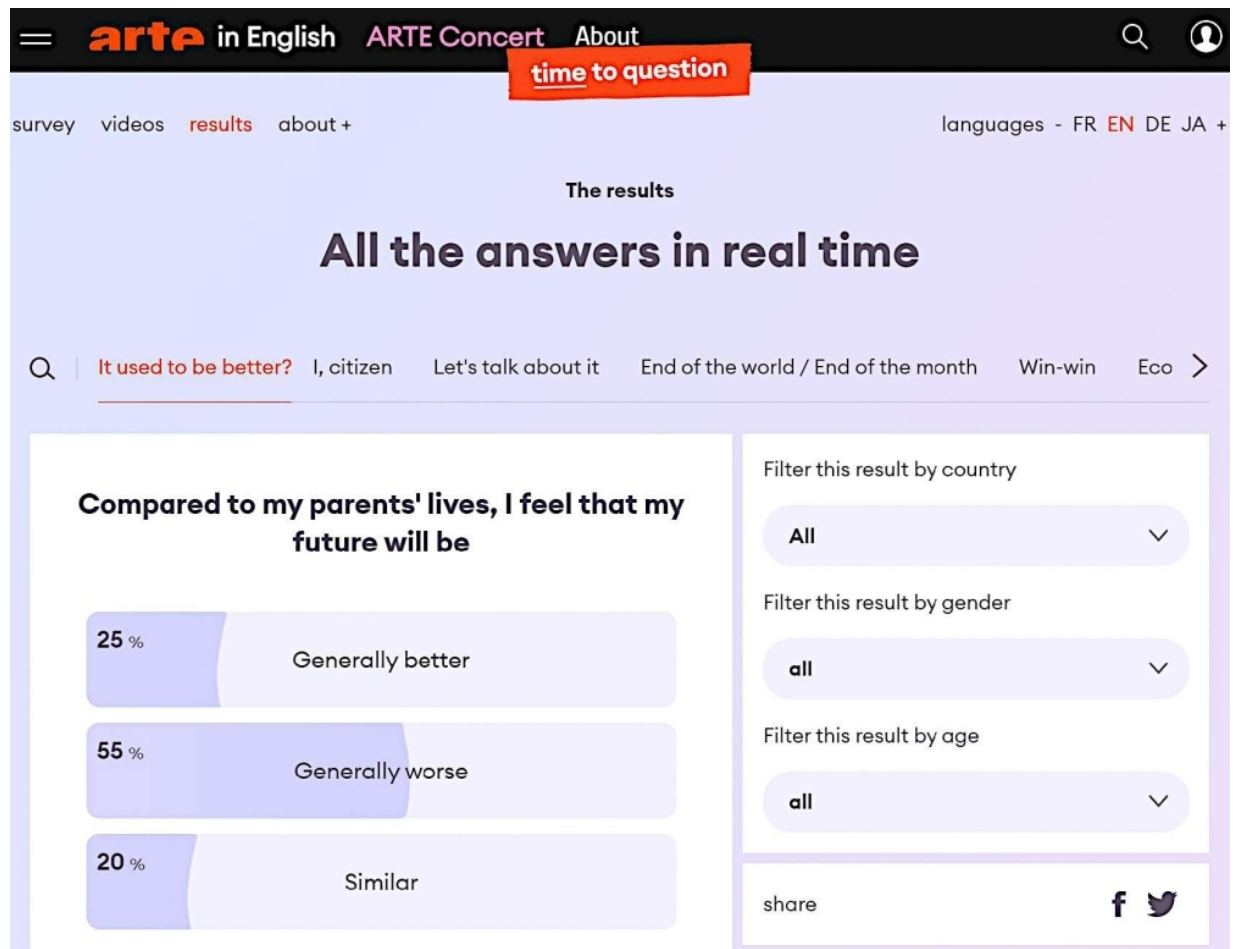
Two thirds of the respondents stated that, “it is true – the generations of our parents and grandparents are responsible for the difficulties of young people today”.

Many parts of the survey showed that action must be taken at long last and that new ideas are needed.

The survey results must make us all sit up and think.



This remarkable survey can be accessed under:  
<https://www.time-to-question.com/en/results>



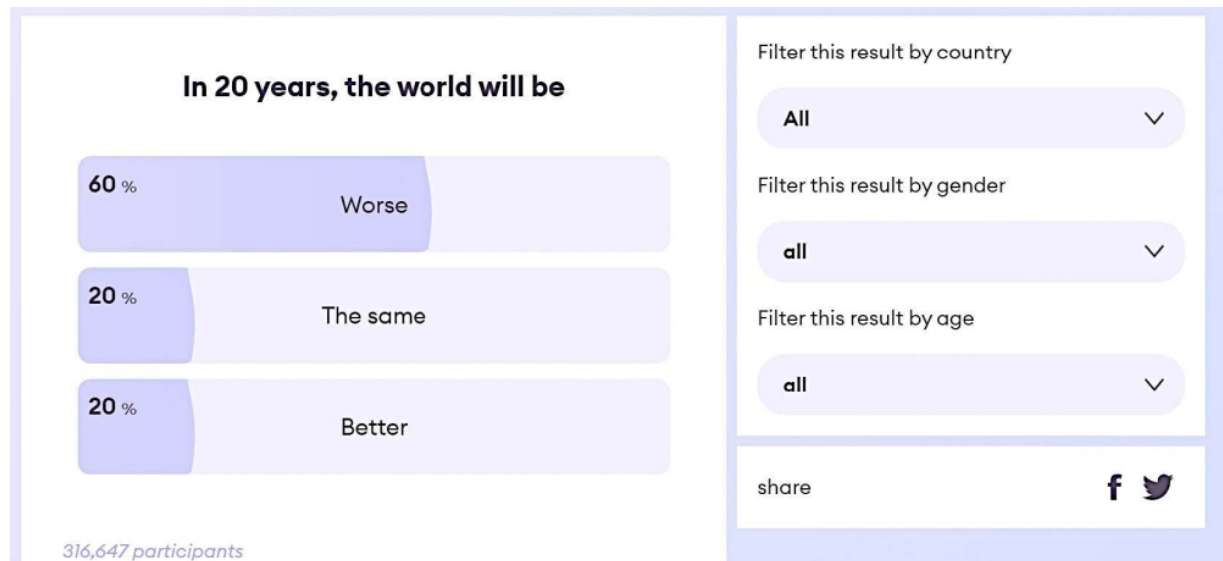


Figure 1: ARTE 2020 Survey

## 2120

It is the year 2120.

The supreme body on earth has decided to organise a great anniversary celebration and looks back on the last hundred years. Just recently, a joint effort involving all humans, avatars, and AI (artificial intelligence) managed to avert a catastrophe. Ever since then, all those on earth feel more closely linked with one another, or at least they accept the fact that they only have a future if they join forces.

This tolerant feeling of belonging together is partly the result of painful experiences.

At the anniversary celebration, the most important representatives of the humans, as well as the avatars and AI will hold speeches. All other living beings on earth would probably also have something to say, however, even in the year 2120, communication with animals, plants or less complex creatures has not yet been successfully achieved.

People's hope that genetic decoding would make it easier to understand why relatively simple creatures survive for millennia and that complex humans are comparatively vulnerable, has proven to be a fallacy.

With the realisation that apart from genes, further, even more complex interrelationships exist, science is basically back at square one.

This discovery and various failures in the manipulation of hereditary material, have at least led to the fact that people stopped producing clones of themselves.

Thus, the focus moved towards the development of avatars. As a combination of AI and human components, these should really be called "cyborgs" (cybernetics organism). Avatars were originally graphic computer figures. The sympathetic portrayal of these human-like beings in the successful 3D film "Avatar" increased their popularity, as well as their significance.

Because the production of individual organs is no longer a major challenge in 2120, the resemblance of avatars to human beings is very high. However, the integrated, complex, and understandable logic of AI determines their actions.

Experiments carried out in order to provide avatars with feelings failed because feelings are difficult to comprehend and sometimes lead to erratic and uncontrollable behaviour. Apart from that, the inclusion of feelings would result in too many different avatars and make production too complex.

Avatars, half human, and half AI, are an important group on earth, endowed with rights and duties.

KI apparatuses and supercomputers manufactured from semiconductors had nothing human about them, thus humans did not initially grant AI any human-like rights. In addition, the centralised

learning of AI on supercomputers proved to consume far too much energy, thus limiting the application options.

Decentralised AI, however, resulted in significant progress being made. Thus, individual robots equipped with more and more intelligence were able to act independently.

With the production of individual parts of AI from biological material and the assumption of important functions in the human body, AI also received an appropriate status on earth.

Representatives of humans, avatars and AI are pondering on what could be included in their speeches at the anniversary celebration. Usually anniversaries include jubilant recollections of success stories. This would, however not correspond with the reality in this case and objectivity is one of the most important common rules in 2120.

It was possible to avert the last catastrophe, despite the many differences of opinion in the run-up. The situation was clear, a super volcano was about to erupt. As a result of this rather local event, the earth would have darkened for several years.

Besides enormous problems keeping humans supplied with the basics, some animal and plant species would even have died out. People very nearly returned to their old ways of thinking, as a result of the approaching “super volcano eruption” catastrophe. A part of the people felt less affected because the volcano was very far away. In some regions, people would have welcomed the cooling effect of the resulting darkening effect. On the other hand, others wanted to counter the cooling in their region with the resulting warming up of the earth. Other solutions to the problem, such as clearing the atmosphere of dust over a large area with “flying vacuum cleaners” after the eruption, were not any more intelligent. Actually, the volcanic eruption and its aftermath did not affect AI and the robots. In