A Modern Age for Mankind (Essay)

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Universal Humanism after Emergence of Artificial Consciousness

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I. Introduction and situation today: retarding moments on the way to the "end of history

1. In 1992, the work of the same name by the US political scientist Fukuyama from the "End of History" hit the nerve of time. Gorbachev had allowed the fall of the Berlin Wall and thus seemed to have heralded the final phase of political system development. For a time, historical "evolution" as a dialectical-teleological chain of events seemed to have come to an end with the collapse of the antithesis to capitalism: capitalism in the manifestation "liberal democracy" shone as dawn and apotheosis of human development paths: In addition to the abolition of war and slavery, universally conceived achievements (fundamental rights as rights of defence and participation, the rule of law and a free and at the same time social market economy) seemed to have been irreversibly anchored in the "world spirit" and ultimately "without alternative". Only such societies mobilize maximum social capital through transparent, well-founded participation rules that do not exclude anyone. A utopian overall system with maximum added value in cooperation became apparent. In this system, capitalism could optimise all our working, consumption and saving behaviour to the general advantage (the famous "invisible hand") and - as a side effect - transform the economically necessary growth from quantitative consumption into qualitative environmentally compatible growth. Fukuyama inspired the Germans in particular, as a nation guilty of the Holocaust and two world wars, with the offer to "finally" place itself on the objectively correct side of history, on the side of the good, after the fall of the Berlin Wall.

2. It remained up to minorities to burden their own good consciences with criticism of a selective "use" of the concept of human rights for the geostrategic purposes currently pursued. In France, Bernard Henry Lévy and the German linguistic figure "Nie wieder Auswitz!" (Never again Auschwitz!) were far more successful in the media, as was the current discussion about "responsibility to protect" in the event of renewed poison gas attacks in Syria (R2P[1]). Literary, not political, successes ("Outrage yourselves!") crowned the life's work of human rights defenders like Stéphane Hessel and his German diplomat colleague Werner Daum. Noam Chomsky was also influential only in the academic world. The published mainstream did not want to disturb the confidence of the West to stand on the moral, economic and military-political winning side at the same time: "If America does not interfere in the world, terrible things will happen," warned former Foreign Minister Madam Albright, born in Prague, in SPIEGEL.

3. One generation, 25 years, after Fukuyama's book, someone unexpectedly (with the help of falsehoods spread in social networks) became US President, who had promised disappointed and outcast Americans in the election campaign to no longer care about abstract interests of the "free world", but to push through "good deals" according to the principle of "America first! Globalization pauses: In the "Western community of values", breaks between "liberal" and "democracy" emerge. The will and power of insecure people to defend democratic achievements is dwindling. No wonder after the alleged impotence of elected governments against globalized developments. Authoritarian leaders promise a recovery of political decision-making possibilities. Even in times of fact checks one can gain power with lies and effect historical decisions (like the Brexit).

4. An expansive monetary policy, paid for by the indebtedness of all those who cannot evade national taxation - as oligarchs in tax havens and globalised financial capital succeed in doing - overcame the danger of a major depression in the 2008/2009 sovereign debt crisis, but at the cost of strengthening the (US-dominated) financial economy over the real sector. Since the fall of the Berlin Wall and the bank bailout in 2008/2009, the strengthening of the production factor capital (landlords) against the factor labour (tenants) has meant that the middle class in Western societies has already passed its peak (in which prosperity increased from generation to generation).

5. The extent to which European money or money provided by philanthropists (Gates, Soros) can help to counteract the dismantling of "achievements" that is taking place before our very eyes, especially in Eastern Europe, remains to be seen. The system of geographically determined primary and ultimate responsibility for granting protection to migrants, originally intended by Germany, had survived the first test well after the fall of the Berlin Wall, but is incompatible with the massive increase in legitimate reasons for flight and their humanitarian consequences.

6. Karl Marx, who was born 200 years ago, recognised the globalisation of financial capital and its inherent tendency towards accumulation more effectively than any other thinker. China, soon the economically strongest power of the 21st century, owes its modernity to Marx's ideas. With the donation of a Marx statue, is China preparing us Germans for the role of becoming an object of 'museum tourism' in the future? Our social market economy functions in free, democratic states, but the coming digital capitalism also facilitates forms of authoritarian oppression: The large Chinese Internet corporations as well as the Chinese state are developing AI-powered systems such as the Zhima Credits ("Sesam Points") program, which uses data such as praise and complaints from fellow citizens and official agencies to calculate a ranking for individuals based on a points system of up to 800 points. 700 points identify an extremely respectable person, 300 points are grounds for social discrimination, for example in the approval of international travel. The official goal is to counteract corruption and confidence-inhibiting behavior pat-

[1] Concept of international politics and international law, which should justify the use of force to protect people from serious human rights violations and breaches of international humanitarian law, without a decision of the UN Security Council.

terns and to create greater reliability in economic and interpersonal transactions. Participation is currently voluntary, but is expected to become mandatory by 2020. Will Chinese corporations also set up these systems internationally in developing countries receiving aid from China, for example within the framework of the new One Belt One Road policy? Fact in any case is that predictive analytics, AI and interactive robotics are now tools used by governments and corporations.

7. It is not the exhaustion of resources à la "Club of Rome" that is introducing "the end of the world as we knew it", but virtualized value chains that outsource human labor to the world's cheapest location without legal protection. The loss of power of trade unions as "representatives of the interests of working people" extends to elected politicians and parliaments who appear powerless against the unleashed forces of a globalised economy. The European 'ever-closer' Union is also depriving national governments of power without being able to recombine them at European level. This can be clearly seen in the issue of combating tax avoidance, where the race for tax cuts began on the US model - a race for the fastest loss of control for social constitution.

8. Capitalism's indifference to the individual fate of its economic subjects must be appropriated by successful corporate leaders (under penalty of hostile takeovers by hedge funds). How could governments compensate this indifference to the individual human fate without immediately questioning the whole system (and driving the "economic subjects" out of the accessible regulatory sphere)? When real political action is no longer possible, the resonance space of politicians shrinks to performative aspects. It wins the political power, which under time pressure is able to impress with substitute action. Strategic decisions in modern times have shifted to globalized entities of a non-political nature, with an interest in capital growth (Blackrock alone manages over $6,000,000,000,000). Even a US president who promises to do everything differently than before with his disruptive rhetoric does not want to reverse the socio-political loss of control of the modern state, which interacts with the globalized economy, quite the contrary.

9. A state that makes the dispossessed stronger against the dispossessed is rejected. The latter support the state's focusing, even shrinking, on its repressive role (military, secret services, police). Ideologically dressed up is a greater "personal responsibility of the citizen". He said he could best protect himself from age and disease risks and choose the best education for his children. Demands for common goods and equal opportunities are nothing but hidden envy, a mortal sin. Neoliberalism and the monetary economy do not need the classical worker and his former social achievements. Trade unions and equal co-determination are foreign bodies in the global economic struggle and must be repelled.

10. In Asia, not only airports are being built faster than in Berlin. Just as the "Sputnik shock" fired the US moon landing in 1969, the (state-) capitalist China reacted to the AlphaGo(Zero) shock with billions of programs for artificial intelligence / deep learning. Xi Jinping's "Gedankengut für das neue Zeitalter des Sozialismus der chinesischen Prägung" was included as a guideline in the party constitution, enabling the great leader to act even faster "voluntaristically". The "Vision Fund" of Japanese Softbank founder Masayoshi Son is the largest technology fund in the world with USD 100 billion. Saudi Arabia has a 45 billion stake, Abu Dhabi and companies such as Apple, Qualcomm, Foxconn and Sharp are also raising venture capital. Softbank aims to become the world leader in robotics and artificial intelligence. The China New Era Fund of the Chinese state-owned China Merchants Group mobilises a further 15 billion euros. Will China not emerge as the victor over Europe with such dynamic, voluntarist "night watchman states"? The current progress of AI, especially in the field of machine learning, is based on the exponential increase in performance.

11. Populist calls like "America (Britain; Catalonia) First!", which nostalgically evoke the return of lost (relative) greatness ("make America great **again**!"), weaken the West as a concept. As the country with the

world's largest trade surplus (exports minus imports), Germany is interested in globalisation processes based on the division of labour, into which domestic value creation is integrated. Does the price have to be paid to make profit expectations resilient to future democratic processes in investment protection regulations? Sloterdijk was right with his 2009 demand in the FAZ: "Abolition of compulsory taxes and their conversion into gifts to the general public". Is it time for the swan song to democratic fiscal states? Did Sloterdijk want to direct the democratically founded longing for freedom and equal opportunities to tax-privileged foundations and sponsors? His book, published in 2010, did not show how to replace a "fiscal cleptocracy" with a "fiscal democracy" in which citizens/people themselves determine where their flows of taxes or gifts go, not corrupt rulers: "No taxation without representation" was, after all, a catchy formula and reason for war in the American War of Independence.

12. Not only the open support of a regime change agenda by foreign countries is forbidden as a campaign donation. Following the Russian model, states are increasingly curtailing legal forms of support for non-governmental organizations, for example by listing them as "foreign agents" with later populist expulsions, for example in 2018 in Hungary vis-à-vis the Soros Foundation. In Russia there is a bill circulating banning the citation of media on a "black" list, such as nine US media listed as foreign agents. The bill is intended to enable the Attorney General's Office in cooperation with the Ministry of Foreign Affairs to supplement the listing with natural persons who cooperate with the listed media on a paid basis. Upload filters and protection against unwanted content (from hate propaganda to "fake news") are already the subject of a (still legally non-binding) EU recommendation of March 2018, which amounts to forced self-regulation. In any case, the industry warns against "mass machine censorship on the Internet", which can only be technically achieved by very large providers[2].

13. Globalised companies distribute their added value, generated over thousands of man-years, free of charge even to the remotest places in the world - in exchange for the corresponding disclosure of data. This makes advertisers the "real customers" of Facebook and Google. We, or our data, become the "product". The business model has called Europe into question with the Basic Data Protection Regulation that came into force on 25 May 2018.

14. This doesn't change the findings: translation and search programs, encyclopedias and GPS integration, artificial intelligence, which are common in smartphones, are changing the state of our world, filled with more than 3 billion smartphones, even to the farthest African village. In earlier centuries necessary (and partly with considerable (also: ecological) disadvantages connected) development phases can simply be skipped and innovative/disruptive business models can be opened in the interest of all: For example, the "empowerment" of women, past corrupt systems of wealth distribution, via secure smartphone payment transfers. The monopolistic market capitalization of the large US data collection points is an advantage here - as a powerful ally against corrupt regimes. Whereas in 1990 almost half of the world's population (1.9 billion people) had less than USD 1.25 a day at their disposal, by 2015 this figure had fallen to 836 million people and 14%. The Millennium Development Goal of poverty reduction was achieved before the 2015 target.

II. Alternatives in the lack of alternatives - new degrees of freedom on the Internet?

1. Not only the Podcast of the same name of the chaos computer club CCC speaker and intellectual Frank Rieger rubs against the reasoning repeatedly spread by the Chancellor that important decisions are "without alternative". In 2017, the Russian Foreign Minister also felt compelled, in reaction to Putin's media demonisation after the annexation of the Crimea, which was widespread in the West, to create radiance for an alternative, "post-western" social model in NATO, accompanied by sanctions and a massive

[2] See Federal Council statement 474/18:
http://dipbt.bundestag.de/dip21.web/searchDocuments/simple_search_result.do?checkedDrsIds=222387

armament in NATO based on "hybrid threats by Russia": It is no longer directed at the "decadent" West and is based on the belief in a sorely tested peculiarity in the "Russian-Slavic being", religiously dressed up and supported by the Orthodox Church. It offers "ours" a form of participation in imperial greatness certified by nuclear weapons and veto status in the Security Council and has a better effect on the health of the "Russian soul" than continued attempts to invade an aggressive West, the war in Kosovo and Iraq, in the "abuse" of the no-fly zone in Libya for the overthrow of the regime and the construction of anti-missile shields around Russia, not only do they whistle Russian sensitivities, but they are convinced that they can isolate such an economically weak country in a new edition of the Cold War with anti-Russian rhetoric and sanctions and finally bring it down in such a way that it is forced to sell its mineral resources. Non-governmental organizations, called "foreign agents", worked for a Western social model that favored gays and Muslim terrorists, but harmed their own values and the Holy Church. In the metropolises of Moscow and St. Petersburg, however, a middle class has developed over the past 20 years that knows the West as a tourist and is accustomed to freedom and consumption. Anti-Russian policy makes it easier for the Kremlin to present Putin as the only alternative who has the strength to defend Russia's "own path" to modernity. Sanctions help to comfort the low economic efficiency of the Russian social system. Lack of legal protection against bureaucratic parasitism can be better recognised and combated under conditions of international integration (e.g. the EU).

2. Against the seemingly unbearable cacophony of differently distributed interests in liberal societies of freely acting actors, against the overwhelming complexity of modernity with its "overdetermined political correctness" determined by opinion elites, the great simplification helps: the turn to earlier times, when life was more transparent and promised to become better from generation to generation. Authoritarian systems facilitate the exercise of power all the more the greater the self-endangerment of those who contradict their simple solutions (usually requiring an image of the enemy) becomes. Leaders in such systems qualify themselves with their willingness to pray for "alternative facts" and supplant the implicit claim to truth of any political speech. Officers deny an obligation "greater than office" that goes beyond the benevolence of the powerful to refer to what Rousseau called the "social contract" in 1762. The more unbearable the fate of an unadjusted becomes, the more cruel the power deals with "loosers", the more the willingness of everyone to participate actively or passively in the abuse of power grows: the striving to belong to the "наши" (Ours) is human, all too human.

3. Do Brexit, Trump, Xi Jinping, Putin, Erdogan and Orban prove the weakness of an "abstract constitutional patriotism"? Are Western generations without war experience no longer aware of what is at stake? Do liberal societies lack the inner strength to anchor people in society in such a way that the more radical organized Islam is, the more it apparently succeeds in doing so? On 4 July 2018 Habermas declared in a speech on European policy a Euro-Union capable of action to be "the only conceivable force against further destruction of our much conjured social model". The cause of the trumpistic disintegration of Europe is the growing awareness among European populations that there is no political will to break out of this vicious circle. Instead, the political elites sink into the maelstrom of a timid, demoscopically controlled opportunism of "short-term maintenance of power. An anti-modernism has emerged, led by "strong men" who replace a policy of negotiation and compromise with the "right" of the stronger.

4. Long before "post facto" became the international and German word of 2016, Fukuyama knew that liberal democracy also generates extreme individualism, sociopathy, and that many people are left behind without sense of community or deeper recognition (self-esteem and identity). Not only people who lack the necessary means for high consumption are affected. Despite increasing virtuality and loss-free multiplication of our consumer goods, the shortage of attractive goods has remained (obviously: housing in metropolises). The dwindling purchasing power in the western middle class without any hope of consumer growth - at least in the next generation - is demotivating. When access to modest consumption and

existential security is no longer an option achievable through honest work, the attraction for a consumerist, religious orientation grows, since it promises the recognition of the subject quality of the individual. Their attractiveness grows as poverty spreads and is inherited.

5. In the last century "Flower Power", "Make Love not War" and Bhagwan enabled new lifestyles of self-empowerment in the free West. Provide a kind of orientation in the "new confusion": Conspiracy theories, esotericism (with / without hierarchically structured pyramids of deception à la Scientology) and above all submission to foreign authority: In Dostojewski's Grand Inquisitor monologue this "proves" to Jesus Christ, who returned to earth, that one must not release the immature people into any freedom which for them meant only misery. People are sheep and the church is called to be shepherds. The[3] German-born Silicon Valley billionaire and Trump promoter Peter Thiel considers democracy and freedom incompatible. On the other hand, the cafeteria talks at the world's largest university for computer science (Berkley) are not supposed to revolve around the most elegant computer code, but around John Rawl's problem of justice.

6. In today's digital world, the Internet's promise of freedom oscillates between blocking and eavesdropping. The dual-use nature of surveillance and infiltration technology, which can prevent a terrorist attack and arrest journalists and human rights activists, calls for a new concept of human rights-based export control. China's way of trying to create "social peace" by nationalizing the Internet, countless policemen and real-time control with "social scoring" is not compatible with the ideal of freedom of individualism. EU and NATO do not conjure up "hybrid threats" without affecting our understanding of freedom of expression and our right to form our own opinion on "fake news".

III. Values, fundamental rights and penalties in the mirror of time

1. The rehabilitation and compensation of homosexuals who had been sentenced according to § 175 StGB, which was abolished in 1994, is proof of the effectiveness of an understanding of timeless absoluteness of elementary human rights, which only unfold forever after emancipation from the respective contemporary (in)understanding. Couldn't the assumption that gender identity belongs to the category of the unavailable for the person concerned have matured to a general consensus (not religiously "blinded") before its scientific underpinning, yes: must it have? Or is this kind of individual freedom on a global scale a luxury that is possible only for us rich Westerners, which presupposes a functioning welfare state in which the individual is released from (almost) all obligations towards the collective (as the former German representative in the Geneva Human Rights Committee, Werner Daum, suggests). Other cultures do not lack inner logic for the relativization of individualized human rights, however logical and compelling they may seem to us. The death penalty for apostasy is quite rightly a ground for asylum in our country. Since humans can debate, for example, it has also become necessary to reject slavery as violating "absolutely valid norms", already in one's own interest, because otherwise everyone could end up as a slave (after a defeat in battle). The determination of norms binding on all human beings and formulated by them themselves is a late project in the history of mankind. It only became possible when the probability of realization of an "equality before the law" grew.

2. Religiously organised societies require about 10 % of their members to suppress their sexual orientation for the rest of their lives by invoking alleged external instances ("God's will"), but their forces of action are again mediated by human beings. In the sexual sphere, we are often explicitly allowed to be abhor-

[3] Prof. Mausfeld uses the image of the shepherd as an elite who guards the "silent lambs" in his analysis of "Democracy Management through Soft Power Techniques: https://www.uni-kiel.de/.../Mausfeld_Die_Angst_der_Machteliten_vor_dem_Volk.pdf

rent practices (rape of forcibly married children) or we are punished for completely natural behaviour (sexual intercourse between adult people who are in love with each other) with death (e.g. adultery) or corporal punishment. The abstract usefulness of these measures welding the collective together for the continued existence of the collective may be justifiable, but social systems with an eternal perspective of oppression, which in principle is without way out, are neither endpoints nor wisdoms of human historical development.

3. In the animal kingdom, "social systems" prove their survivability on a distinctly collective basis, especially in bees and ants: the individual counts for nothing, the people for everything, represented in the queen. In general, squeezing into a subway in Tokyo is not possible without renouncing our usual aura. Large metropolises tend to adopt the pressure of conformism known from Asian social orders, adaptations to police authorities (in New York) where a questioning of the given order ("those are the rules") against a sheriff can lead to persecution because of "obstruction of justice". Although the Western value system emphasizes free development, the pursuit of happiness, for geniuses, the strong and the powerful, it wants to prevent this from leading to a ruthless impairment of the development opportunities of others: see the social bond of property, democracy and the state's monopoly on the use of force.

4. As acceptable to all individuals, a social system appears only as a liberal and tolerant one that protects against the physical and psychological disadvantages of the use of freedom by others. Systems promote their acceptance if they appear transparent to all as appropriate and "fair". This, however, neither establishes their conditions of validity nor can it secure them. Standards that are on paper but are not actually enforced lose their regulatory force. The punishable ban on killing people was never lifted even under Adolf Hitler. There was never a law that allowed the murder of Jews in Auschwitz or elsewhere. But no German court dared to apply §§ 211 ff StGB to these crimes until 1945. Hitler came to power through (unfair) elections, not through coups.

5. As a lesson from history, Germany laid down the right of resistance in "fortified democracy", which does not grant the "enemies of freedom" any right of dismantling. Those who agree to the dismantling of freedom for more security also tend to link persecution and punishment more and more to the mere attitude. This can become transparent after electronic monitoring of the suspect's conduct on the Internet (with or without a court order). Foot shackles for "endangered" persons (defined according to transparent criteria and judged in this way by the courts) may only take place under strict constitutional conditions if one does not want to end up in the injustice system of "police (unlimited) preventive detention" of National Socialism à la "Minority" Report. The principle that every punishment presupposes guilt has its basis in the guarantee of human dignity in Article 1.1 of the Basic Law. The Federal Constitutional Court regards this principle as an unavailable constitutional identity because of Article 79.3 of the Basic Law, which is also protected against interference by supranationally exercised public authority.

IV. Silent lambs in the gallery of a capital-led political theatre?

1. Laws of attention economy in a medially fragmented landscape reduce the possibilities of politics to create a sense of community and responsibility in contrast to high TV ratings. Effective images displace strategic considerations that include historical backgrounds and make drilling thick boards almost impossible. The reflexively emotional reception of politics, which is reduced to daily news, can only be counteracted to a limited extent in Germany by public media with their forced-financed educational and entertainment mandate. Broadening the political horizon compared to the mainstream is most likely to succeed on radio and special cabaret formats (such as ZDF). The findings of a quasi-monopolistic media power and great proximity between journalism and politics apply globally. To let journalism be financed by the information consumer himself (without the influence of advertising or "sponsors") is possible by crowd-funding for aggregating formats such as "waking up" and "young and naïve" or NGO networks

that evaluate Wikileaks, for example. For most people, "goalkeepers" of world perception are media directed or influenced by "oligarchs" (Murdoch, Mohn/Bertelsmann, Springer & the Koch brothers are among the best known). Social networks sold access for the use of "information" bubbles“ für die eigene Agenda, z.B. an die Firma Cambridge Analytica, die Trump siegen half. before the entry into force of the EU Data Protection Regulation in May 2018.

2. In 2018, democracy, fundamental rights and the usefulness of the separation of powers will also be put to the test by election campaigns and talk shows in the free West. Prohibitions of thinking and acting fall once "from above the velvet gloves are taken off". The violent separation of parents and children in front of running cameras, the refusal of re-entry for innocent people who had been living in the USA for years just because their country of origin was classified as dangerous overnight, could not be sustained, but they found resonance in the voter base of the populists. Tough measures against third parties comfort a constituency that no longer believes that children will, on average, be better off than their parents, with the certainty of "belonging" and not being exposed to the much greater suffering of strangers. Violations of previous limits of power also reduce the effort to demand and monitor compliance with the rules of the game from everyone.

3. With the impossibility of breaking down the parameters relevant to the desired result, together with impact assessments, into decision alternatives in the face of ever larger and more complex data, and of not only making this plausible to "the opposition", but also of generating agreement, the need for simplification and personalisation of complex political issues is growing. Former Chancellor Kohl created a mood of personal narrative, facilitated "paternalistic governance", which was directed towards the integration of Germany into Europe with a clear link to the West, and which met with international approval.

4. Kohl's "Never Again War" narrative has been replaced by "Never Again Auschwitz" since the Kosovo War. Since 9/11, the collapse of the Twin Towers of the Word Trade Center in 2001, the first and only NATO alliance case, the public has resigned itself to the fact that the "freedom of Germany at the Hindu Kush must be defended". Path dependencies also arise from simplifications, up to lies, in connection with habituation effects. In the most important political competition in the world, one candidate refrained from coherence in his argumentation and made it possible for Cambridge Analytica (which combined illegally obtained Facebook data with a 5-factor "Ocean-Persönlichkeitsmodell") to spur on or even demotivate target groups via social networks to participate precisely, depending on the Republicans' interests. A minimum of hypocrisy is required in the political struggle all over the world. Power can neither be gained nor preserved through openness and transparency. A person who focuses on the "naked truth" acts as an idiot, especially since "fake news" have[4] more activation potential. In the 2011 euro crisis, Jean-Claude Juncker justified his inaccurate denial of the planned secret meeting of several EU finance ministers: "If it gets serious, you have to lie".

5. China has managed to be economically successful even without separation of powers and protection of fundamental rights. Mao's attempts to create the ideal communist man, which cost millions of deaths, were abandoned. Today, the party is setting a strategic course in line with capitalism (climate protection/electromobility, computers and software development, China's emancipation from the role of a workbench to original value creation with patent protection). It allows entrepreneurs to become new billionaires as long as everyone submits to the party. Chinese companies compete with companies from countries that do not have any government investment programmes (except in agriculture) and seem

[4] So https://hapgood.us/2016/11/13/fake-news-does-better-on-facebook-than-real-news/ ; Abhilfe durch bezahlte „Supernutzer“ Vorzensoren ?: https://techcrunch.com/2018/03/30/how-facebook-can-better-fight-fake-news-make-money-off-the-people-who-promote-it/?guccounter=1

"tied" to Chinese companies by labour, environmental and co-determination rights. In addition, "war coffers" fed from the creation of money in shadow banks enable hostile takeovers of companies and know-how that could be fended off without these coffers. In globalised competition, "shopping tours in Germany" are obvious, which has been the "export surplus world champion" for 3 years (ahead of China) thanks to the innovative strength of its medium-sized businesses and cheap oil imports.

6. While the tangible (civil) real economy is distributed among three global centres of power, the financial sector - and almost 50% of Germany's central bank gold - mainly in the Anglo-Saxon world - remains the safe haven of the world's issuer of foreign exchange reserves. Not surprisingly, even in terms of market capitalization, American companies always appear to be the most valuable. Blackrock, by far the largest single shareholder on Deutsche Börse, is the "lighthouse" of anonymous capital concentration. Blackrock collects capital (over €5 trillion) to multiply it.

7. On the capital market, companies can only survive in the long term if they do not miss any opportunity to reduce the cost factor of labour. "Sentimental business leaders", for whom the preservation of jobs (as for politicians) is a value in itself, reduce returns, go bankrupt, are put under pressure by capital representatives, or even victims of hostile takeovers. For Marx and Schumpeter necessary acts of "creative destruction". Capital owners can benefit from the stability of efficient systems. Efficiency gains require personal sacrifices, which are accepted because the total amount of work never threatens to disappear. If pension funds also invest in Blackrock, they do a good and necessary job (in times of negative interest rates for government bonds) of securing workers' pensions. Without funded pensions and state subsidies, it is virtually impossible to secure a pension in an ageing population. Deficits generated by the pay-as-you-go system require the unpopular postponement of the retirement age (in Russia the distraction provided by the football World Cup was used).

8. Capitalist practices, whereby rule violations are not prevented equally and efficiently for all actors, reduce the average return on capital because they upset the unstable equilibria of functioning markets. If more unscrupulous, more honest players (leveraged by greater profitability of illegal business models) can turn into losers without risk, the higher the market entry costs, the more the honest players become powerless. "Cheap central bank money" cannot create an imbalance of power between companies and economic regions.

9. The elections in France, which President Macron surprisingly won with his clear commitment to integration, provided a tailwind for supranational concepts of solidarity to the detriment of national interests. In Article 174 of the TFEU, all EU Member States have committed themselves to the objective of "reducing disparities between the levels of development of the various regions and the backwardness of the least favoured regions". The extent to which political goals can be translated into figures depends on the pressure exerted. The pressure on Germany to finally spend the promised 0.7 % of its gross domestic product on development cooperation is low compared to the pressure with which the US presidency is demanding 2 % for defence spending, although NATO is already spending 14 times more than the "threatening" Russia and the Alliance would have to disarm to reach the agreed 2 % average. Target marks can be read as the preference of a military/confrontative over a cooperative understanding of security. Funds for military interventions are always granted in completely different orders of magnitude and easily, destruction by bombardments happens in fractions of a second, but it is particularly difficult for states with an expanded military sector to assume responsibility for reconstruction, supplying refugees or combating the causes of flight.

10. Of course, the people who are directly subject to it suffer from climatically, militarily or politically induced causes of flight as well as from bad governance. But growing migration pressure from Africa and above all the actual possibility of migration remind above all Europe not to simply forget the living condi-

tions in other regions. There are no economic incentives for decision-makers to take into account the real hunger of the population or the hunger for education and better economic opportunities: Any improvement in the opportunities for future economic actors reduces the income security of those currently in power, who have made themselves comfortable in the current value chain. There is no "invisible hand" that creates an international Ricardo balance of power among trading partners.

V. Short history of time: sequence of emergences - up to the last one, produced by humans

1. The world, as we have learned, originated about 15 (not 14 and not 16) billion years ago. One can divide the entire time passed since the Big Bang into 123,000 parts and the last part again into 123,000 parts, man originated in the very last fraction of this fraction of "world time". Soon we will witness an important turning point: When mankind can rightly add Nietzsche's cry: "God is dead" to the cry "God has come into being! Of course this does not mean a religious, "omnipotent" "God" who can never be known individually or collectively, but can only be believed, because despite his supposed omnipotence he does not tend to make himself noticeable. I mean God as something that can be perceived by everyone, learns independently, becomes better and better, I call God "advocatus diaboli" only because that is the only concept that man recognizes as superior to himself (also to the collective and state): If an artificial consciousness (will have formed by itself), this will be the last emergence that we humans can still discover as first and "by our own forces".

2. From a first emergence can be seen after the Big Bang, time and space emerged, about 100 seconds later formed from elementary particles atomic nuclei. Half a million years later they captured electrons and formed hydrogen atoms: "there was light". It took a whole billion years until the next emergence, the first molecules.

3. Before our earth with its solid core (mainly of iron (26 protons) and nickel (28 protons) formed, stars and galaxies had to have formed and passed elsewhere, because all elements with more than 26 protons originate from earlier supernovae explosions, which must have happened before our earth had aggregated to finally orbit our (relatively small) sun. 9 billion years - almost 2/3 of the world time had passed without our earth playing any role. In another two billion years, new combinations of matter arose due to the peculiarity of the elements, which regulates the periodic table, to show specific interactions between nuclei (protons and neutrons) and their "envelopes". Thus electrons, the lightest particles with rest mass, constitute with "quantum leaps" the smallest possible physical process, namely a photon (without rest mass) which, travelling at the speed of light (the universal constant) somewhere (after absorption), "gives" an electron the minimum energy increase. The behaviour of electrons in orbitals, their preference for certain bonds is what determines the chemical properties of the elements. Without being derivable from the original substance, elements such as carbon, hydrogen and oxygen, more complex structures and emergent life emerge from "uninvigorated" elements. We humans are only aware of carbon-based life based on ribonucleic acid and deoxyribonucleic acid (RNA and DNA). It was created about 3.5 to 3.9 billion years ago. We are separated from potential "aliens" by seemingly insurmountable distances of hundreds or thousands of light years. Signals of another intelligence inside and outside our Milky Way are missing. To "Gliese 581 c", "only" twenty light years away, discovered in 2007 as the first planet with earth-like conditions, a journey with the highest speed reached by humans (when flying to the moon) of 40,000 km/h would take a whole 540,000 years (the distance is 300,000 km * 3600 (seconds) * 24 (hours) * 365 (years) * 20 (light years).

4. Perhaps the first life forms of the earth are based on an external impulse (meteorites). "Life" is defined as a genetic program with functionality and development. It begins when molecules as carriers of this

program come together for its realization, multiplication and adaptation in such a way that these characteristics of a "life-supporting system" emerge: Energy and metabolism (interaction with the environment), self-regulation, irritability, reproduction / heredity (transmission of information by genetic material) and growth. What some in nature refer to as God's wisdom is what biologists call autotrophy ("self-food"): the ability to build more complex (organic) building materials from simpler inorganic (energized) materials. Autotrophic organisms are photosynthetic plants that use light as a source of energy. However, some deep-sea organisms can also use chemical conversions as energy sources.

5. Living things differentiate themselves automatically, since there are always statistically "errors" in the production of exact copies of the genetic material coded as a sequence of amino acids with the four organic bases (adenine, thymine, guanine and cytosine), in short A, T, G and C. Variants are the more successful the better they react to environmental changes. Dinosaurs, initially a "victorious" way of life, died out around 66 million years ago. It was only about 300,000 years ago that man came into being. Unlike insects, it is not only distinguished by its ability to adapt to changing conditions, but even to shape them - right up to the earth's climate. The secret of man's success is the particularly efficient transmission of information. Animals have also developed a form of "language": for example through touch and body movements (bees), visually conveyed (impressing and subjugating gestures) or through sound waves with lure (songbird) comfort, warning or coordination sounds (dogs, apes and whales). However, only humans possess sufficient neurological abilities for the rapid acoustic coding of more complex contents. Language it reaches beyond the existing, "possibility thinking" emerges.

6. Our ability to read our own genetic "building instructions" or to parts of them grows every year. We can not only breed new forms of life, but also design them genetically and bring them to life. As cyborgs, we can already connect with motor prostheses or nerve stimulators and take other active substances that expand our physical and psychological possibilities. And we have created machines that surpass our peers in more and more competition disciplines: no one in the board games of Chess (since 1997) and Go (since 2016), previously regarded as "creative" royal disciplines, is good enough to beat the computer. Although both games are completely transparent and deterministic (no luck/ech possible), they are no longer calculable (e.g. chess could only be calculated for 7 pieces, whereas computers found the most complicated (for humans "invisible") known Matt (546 moves). At the beginning of chess there are not 7 but 32 pieces on the 8*8 board. After the victory in chess, the victory over man on the 19*19 board of the Go game lasted almost twenty years longer. Not only because the number of permissible positions with 2*10171 far exceeds that of chess (maximum ^{1047}); by the way also the number of elementary particles in the 14 billion year old universe (the visible part should weigh ^{1051} kg; multiplied by 6.022* ^{1023} (Avogadro constant) this results in about 6*1075 protons). Go is so complex that one needed "artificial intuition" for the computer, arbitrariness, so to speak, in the "chaos" of possibilities: two learningly interacting networks (for "politics" (restriction of the choice of one's own traits) and "position assessment" (restriction of the depth of prognosis). In his article published in March 2016, the consciousness researcher Koch, cited above under VII 1, is almost even more impressed by the Go victory than by the victory over humans in the solution of verbally posed "around the corner" quiz questions by IBM (Watson@Jeopardy) in 2011. Since then, IBM has been promoting the detective brand Watson with the slogan: "Let artificial intelligence work! "He recently achieved a victory with the public in the debating competition against humans with the "Project Debater".

7. Without a formalizable set of rules (as in board games), only through training, trial and error, pattern recognition (facial recognition is a task to which our brain devotes large areas), for example, comes off, because it is much more difficult to condense characteristics to individuals than to distinguish triangles of circles (or dogs of cats). In "Deep Learning Artificial Intelligence Playbook", author Carlos E. Perez suggests replacing the currently omnipresent but very relative term "artificial intelligence" with "deep learn-

ing": He explains it in a letter puzzle as follows: "Deeply learning machines work in a similar way to the brain. They work by seeing complete patterns and associating them with complete concepts. They work layer by layer, like a filter, recording complex scenes and breaking them down into simple ideas" (cf. ibid., p. 14). Computers with "assisted learning" are still being trained, taking over tasks and solution options from people. The result is behaviours that no longer appear to be causally explainable (comprehensible). This is a social problem that is being addressed, for example, by the NGO Artificial Intelligence Now.

8. In spite of its complexity, which cannot be overlooked, the critical mass has not been reached at the moment, which makes one expect the emergence of a "general intelligence" in computers, in which "thoughts" like this arise: "**I can't** find any opponents in the Go - maybe **I** should play chess again! Computers lack the life to which a physical correlate[5] corresponds, an "I" a feeling for the possible "sense" of a situation in which one finds oneself, an "intentional consciousness" which can increase one's well-being and which could be assigned to an "I". This is the status quo anno Domini 2018: Artificial consciousness has certainly not yet made itself felt.

VI. Inventory of people and computers in 2018

9. We humans, too, cannot answer the question of the "meaning of our existence". Non-slaves must decide on their own responsibility. We have the right (in the eyes of others) to do "meaningless" things, such as playing games (even if we are bad at it[6]), we can choose what we do and with whom we do it within the framework of our degrees of freedom. For many, this is the main reason for the (beautiful) feeling of being alive, which can also arise from serving and caring for others and (verbal or written) distanced/ironic commentary on the actions of others.

10. Language and text are tools for people to distance themselves from and reflect on the situation in which they are "thrown". Only language transcends an unconscious, reflexive experience on predetermined paths. Digitalization opens up access to post-textual-virtual spaces of real or imagined kind in images, music and virtual experience. The power of language must protect us from people being seen as mere codes and formalizable fabrics, as textures that, like a filter bubble, shape us and our world view in a decisional logic according to the specifications of the powerful. Language "means" something; to negate it is immoral, impracticable and politically dangerous. Even those who have no freedom know exactly what the word 'freedom' means, which is why it is a controlled term in China.

11. With AlphaZero at the end of 2017 DeepMind showed that a complete renunciation of human training material is possible and that computers can learn arbitrary board games in the shortest possible time only on the basis of game rules and victory conditions as well as intensive playing against themselves and then control them better than people who[7] have dedicated their whole lives to these games as professionals. The winners were programmed algorithms for calculating hyperparameters which were continuously updated by the "artificial neural network". In a short time, learning the games of chess, go and shogi better than anyone else without looking at training materials (e.g. old master games) became possible by allowing variants of game strategies to emerge independently so that they develop free of human "ballast". Our thinking progresses in every human language on a one-dimensional timeline: purely serial is our consecutive categorization processing according to the motto "if a, then b". This new soft-

[5] The idea that the human body is "hardware", to which its spirit (will, mind, feeling) is the software, would be flawed: Not only is the (organic) hardware constantly renewed ("the human being is what he eats"), but it has also embodied its "software", which reveals physical disorders (drugs, pain, feelings of pleasure, hunger).

[6] The joy of chess is independent of the ELO number of the player; on the Internet, the same players "mate" with each other.

[7] Keyword on p. 285 ff in https://deeplearningplaybook.com/ see Elon Musk https://youtu.be/6tBZA2rygcM?t=120

ware clearly defeated the old one and required only a tenth of the computing power (4 instead of 48 "tensor processing units" à 180 Tera-ops).

12. A growing market for processors optimized for neural networks has emerged, which is expected to grow to $47 billion in 3 years, continuing the trend of neural network complexity increasing five hundredfold between 2012 and 2017 without driving power demand prohibitively expensive. 10 tera ops per watt in 14 nm process technology allow specialized chips to be arranged as "neurons" in interleaved layers in such a way that they "learn" to assign a new, variable weighting factor to each signal before it is passed on to higher layers. Numerous NN frameworks (TensorFlow, Caffe, AndroidNN, Amazon Machine Learning, ONNX, NNEF, AlexNet, VGG16, GoogLeNet, Yolo, Faster R-CNN, MobileNet, SqueezeNet, ResNet, RNN, LSTM etc.)) are supported, and even the amateur developer can build neural network models and applications for only $80 per neurochip, which, after completing machine learning, later get by without Internet access; Intel explains what happens in a video on the "Movidius" processor, which can be inserted into anyone's home computer like a simple USB 3.0 stick.

13. IBM has not yet published whether its program Watson, which can be[8] used by any contemporary from 3.86 € per month, is based on human-calibrated intelligence tests. In the guessing game "Jeopardy" the best people were beaten, but sometimes Watson's proposed solutions were also "inhuman-dumb". But the method with which computers learn to solve tasks today is becoming more human-like: a child progresses in reward dialogue with adults from the simple to the more difficult and develops generalizable solution strategies. Self-learning questions also break down into less complex parts that are scalable and can be tried out as "comprehension variants" (massively parallel). Deepmind, as a former Google subsidiary and now Alphabet subsidiary, is working on basic research, Google more practical, such as Google Duplex: our digital elite has unlimited money but only limited time, which can be saved on appointments with human service providers if (unnoticed) a human-looking smartphone program takes over. In all disciplines with a countable number of parameters (completely transparent games such as chess and go - but also random games such as bridge or poker) people no longer stand a chance against self-learning systems. DeepMind therefore explores the areas that still offer "new" surprises (just like in life).

14. In a warlike life, people in unknown territories have to act with localized stereoscopic perception without knowing who is friend, enemy or neutral (which can change). So it was obvious to test DeepMind's performances in the leading virtual baller game without a fixed action, Quake 3. Man and computer competed against each other via screen-mediated environments in order to fight in a "real" three-dimensional space on which another instance was based. DeepMind had vectors calculated in several "abstraction" layers, from which the "neurons" calculated how advisable it is to press certain buttons. Linear and three-dimensional thinking master players with good reflexes can beat normal people to death, but lost to computers that can encode any number of vectors in multidimensional space, including the distance to the enemy base. All this was completely "self-learning", for people only comprehensible by the result. Populations of different "virtual agents" were "consumed" in evolutionary selection. Only those "agents survive" who play particularly well. The hyperparameters of the best neural networks are mutated by an algorithm to produce better and better agents over time.

15. In deep learning, the use of alternative solutions is decided not by a process controlled by humans, but by an "evolutionary process": rule and interpretation systems that correlate better with the right solutions in interaction with others (release pleasant messenger substances in living beings), are included in prognosis decisions with a higher weighting, may "clone / replicate" themselves. Thus (at present still specialized), but independently structured systems develop. Procedures that have less relevance for the achievement of the goal "wither" (in order to avoid the phenomenon of over-adaptation of individual

[8] https://www.ibm.com/de-de/marketplace/unified-endpoint-management

neurons in the system, even arbitrary shutdowns help): Processor access time is reduced. Changes in the logical system architecture have the same effect as plastic changes in "neuronal-logical" connecting structures in our brains (of which we have about one trillion (100 billion neurons with up to 10,000 synapses each).

VII. Awareness vs. Cognition: Language as a Mirror of Freedom, Causality and Contingency

1. What consequences the fact that consciousness is only "the tip of the iceberg" in the human brain has for economic decisions was investigated in game theory by the psychologist Kahneman, inventor of the "behavioural economy", whose "judgment heuristics under cognitive distortions" brought him the Nobel Prize in economics in 2002. Our "free will" controls the interaction of two systems in our head: System 1: fast, also animals own, intuitive and System 2: exhaustingly slow, but suitable to formulate and justify thoughts. We are mistaken when we postulate that our thinking (our cerebrum (cortex)) has priority over feelings (release of endorphins, i.e. the body's own opioids, in the limbic system): it is usually the other way round[9].

2. Already in the 19th century Schopenhauer, disciple and consummate Immanuel Kant, liberated the concept of will from a close connection with the concepts 'intention' & 'purpose': One must not believe that the 'wanted' first originates in my mind before I come to action:[10]This intellectualizes the will too much. Will is "primary striving", which can become aware of itself and only then constructs the consciousness of a goal, a purpose. He interprets unconscious inner bodily processes as movements of the will with the conclusion: In everything that lives, a will prevails. Even in the inorganic world, the "will" prevails that things come together: gravity.

3. The "intelligence performance" of computer systems is not based on a "hidden" will, but on an organized power supply for arithmetic operations: The Federal Government's strategy of 19.11.2018 divides "artificial intelligence" into 5 case groups[11]:

    a. Deduction systems, machine evidence: Derivation (deduction) of formal statements from logical expressions, systems to prove the correctness of hardware and software;
    b. Knowledge-based systems: methods for modelling and collecting knowledge; software for simulating human expert knowledge and supporting experts (formerly: "expert systems"); partly also linked to psychology and cognitive sciences;
    c. Pattern analysis and pattern recognition: inductive analysis methods, machine learning;
    d. Robotics: autonomous control of robotic systems, i.e. autonomous systems;
    e. Intelligent multimodal human-machine interaction: analysis and "understanding" of language (in conjunction with linguistics), images, gestures and other forms of human interaction.

4. Is this more than just functionally identical with human "thinking"? The German Research Center for Artificial Intelligence GmbH and the consciousness researcher Christoph Koch are not Rabulists. They stick to what's measurable. We can perceive consciousness in ourselves and tell others about it. This is even true of dreaming (during REM sleep), but not in real time.

5. As an example of the smallest unit for consciousness, the above-mentioned researcher Koch brings the snippet of consciousness: "I see red". Test subjects were irradiated red light impulses into one eye and green light impulses into the other eye and asked what they saw. Their answers corresponded to neu-

[9] See Elon Musk: https://youtu.be/Ra3fv8gl6NE?t=996
[10] Schopenhauer: "Man can do what he wants, but he cannot want what he wants." Any action is always and always based on a (not directly accessible) will, abstract: the will.
[11] The EU's 'Coordinated Artificial Intelligence Plan' concerns 'systems with 'intelligent' behaviour that analyse their environment and act with a degree of autonomy to achieve specific objectives'.

ronal excitation patterns, thus creating quite "objectively" (person-related) neuronal images of "red consciousness". Such smallest building blocks of consciousness can be mathematically mapped as input dimensions and reassembled and tested at a higher (more complex) level: Add a pattern recognition (triangle, square, circle) to the color, and "consciousness to see a red ball" or a blue cube is created. Animals have such a "consciousness". A scholastic dispute would bring little to the search for the smallest building blocks of a "thought". This requires contextualization ("framing"), would fall to nothing as a single bit when reduced to a yes/no decision, just as matter loses all its characteristic properties (e.g. temperature, weight, etc.) at particle level. Thoughts must be more than mere descriptions (e.g. of the number of elements of a set), assume implicit claims of causality / predictions. This is the only way to create meaning, not just meaning (= name of a thing).

6. In the transmission of information/communication, individual sounds (in writing: letters) usually have no meaning whatsoever. Another is valid for (arbitrarily selectable) numbers, which are based on (not arbitrarily selectable) natural numbers and characterize the number of elements of a set. They are unavailably necessary[12]given to thinking. Every single bit is "worthless" without a "reading instruction", without context by preceding or following bits, like the hopeless attempt to determine an elementary particle in the forms of energy and place at the same time. At the beginning of the last century, quantum physicists had therefore done away with determinism and referred a vivid three-dimensional idea of particles to the fairytale realm. Phenomena such as entanglement show that the totality of a system **does not** result from arbitrarily precise knowledge of all its individual parts. entanglement emerges by itself and cannot be generated by moving individual components to defined states.

7. Also the behaviour of water (frozen at 0° C - evaporated at 100°C) cannot be derived from the properties of hydrogen and oxygen, although it consists of nothing else. It just emerged like that. Also the question why the ratio of the circumference of a circle to its diameter is irrational and exactly π, a "probably "normal number", is idle. It can be calculated arbitrarily precisely with an infinite, non-periodic sequence of chain fractions, but it emerges "by itself" from the definition of the circle, which never occurs mathematically exact in nature - but "forms" its properties: And yet it can reveal itself completely without circles π in statistics about random throws of a rod, which one lets fall infinitely often arbitrarily on a plane surface, on which parallel strokes are drawn at the distance of this rod: Divide the number 2 by the (empirically more exactly determinable) probability with which the rod touches one of the strokes instead of lying between parallel strokes without touching it (the so-called needle trap experiment)[13]. If one were to translate the (infinite, non-periodic) sequence of numbers from π into German letters, at some point one would suddenly be able to read out the words written or said by humans since the Big Bang, since all the words of all humans taken together are "only finitely many" and one only needed finitely many rules of finite length to translate the circle π into words. How limited the real, perceptible world is compared to infinitely good "dissolving" mathematics! With the simplest building rules (e.g. by writing the digits one after the other when counting [according to the pattern 0.123456789101112131415……]) mathematics can exceed all complexity that "really occurs".[14] Nevertheless, almost "magically" all 5 mathematical constants are added: 0, 1, the imaginary i, e, and π together again: in Euler's identity $e^{i\pi} + 1 = 0$.

[12] Peter Scholze, who was awarded the Fields Medal for Best Mathematician in 2018, also believes with Plato that numbers exist independently of humans as independent objects, of course unlike matter in the world.

[13] The needle fall experiment, named after Count Buffon in 1777, can be played on the Internet here.

[14] The measure of the structure of a string is the so-called Kolmogorow complexity, i.e. the length of the shortest program that generates this string. If the program for generating the string is at least as large as the string itself, the string is uncompressible, "random" or "unstructured". A short program can generate the decimal development of the number Pi in any accuracy. This results in a complexity of the form "constant + log(n)", where n indicates the accuracy of the representation, see: https://de.wikipedia.org/wiki/Kolmogorow-Komplexit%C3%A4t

8. As inhabitants of a world predictable on a macro level, we can live well with the "arbitrariness in the smallest" without Einstein's cry: "God doesn't roll the dice! Of the approximately 10 to the power of 27 atoms that make up our physicality, we replace approximately 98% every year, without doubting the continued existence of the "I" - and that's a good thing. Thermodynamic laws and those of statistics "order" us the chaos of the smallest particles at the macro level - we live in a "system" in which we can rely on cause and effect: predict the reaction of nature and man to our inputs.

9. In the video and audio compression patented by Germans, the principle of "predictive coding" plays a major role. The concept helps to understand how consciousness works in living organisms that have learned to survive in hostile environments: Perception, attention, action and cognition. Mental life is brainwave presence of minimized energy consumption: Higher levels of cognition deal only with what is not self-evident. They "sleep" in the normal state and wake up when the pattern formation is adjusted or has to be adjusted because otherwise dangers to life and limb threaten (during the fight itself they are also blocked so as not to slow down flight and reflex reactions). Our daily lives are energy-saving repetitions of proven patterns that minimize the effort of our brain, which already consumes more energy than any other human organ (except for heavy workers and athletes). 90% of the brain's energy consumption is accounted for by the operation of our "sodium pump", the brain's battery that provides electricity for thinking.

10. Predictive coding does not stand in the way of man's subjective feeling of freedom any more than does the unpredictability of the very smallest thing stand in the way of the calculability of thermodynamic processes. With a pragmatic view of probability as a "degree of reasonable credibility", Bavarian statistics makes it much easier to draw conclusions.

11. When "neuronal computers" take advantage of this, they get by with unreliable, simpler and cheaper logical circuits that resemble our by no means perfect neurons more than the processors of the latest Intel generation. Neuronal computers act in a mass network as mere point clouds ("fuzzy" calculation results) and represent "the reality out there" via probabilities. Nothing else happens when recognizing and understanding in our heads (a critical number of neurons fires and we see red). However, if the neurons become too "bored", they suddenly see green, although the receptors in our eyes still emit the same signals and objectively nothing has changed in the optical signals). More detailed information on the mapping of neuronal processes in neuronal computers - in so-called T.P.U.'s "tensor processing units" - can be found in Chapter 5 "linguistic Turn" of the NYT. This video of the US defense research agency DARPA from February 2017 describes 3 phases of AI development.

12. Philosophers can argue about the "existence" (e.g. of a coffee cup). It is completely sufficient for a dialogue that the term (meaning and meaning) is sufficient "attractor" to which our cognitive systems consensually "level" themselves. In the chorus of decentralized simultaneity of excitation patterns in the brain, the starting material is created both for solutions to equations and for what constitutes the above-mentioned cup. Who simulates the activity of neurons and compares it with real measurement data (stimuli are treated quite differently depending on the novelty value) receives good starting material for the mathematical modelling of thought processes: The vast majority of areas of the brain responsible for vision do not receive their stimulation from optic nerves, but from the part of the cerebral cortex that is responsible for aggregation, category formation and abstraction: the brain is far less concerned with the outside world than with itself. The connection to the outside world is reserved for lower layers: controlled by less complex reflexive, faster stimulus reaction processes in sensory organs (which also have insects). The phenomenon of dreams shows how independent our perception of reality is of the current supply of information by our sense organs. When reading and understanding writing, not only the so-called speaking half of the brain is active, but also mirror-symmetrical structures in the two hemispheres help to recognize word forms and extract semantic meanings from them. Often the assignment of mean-

ing results only if the words can be interpreted in the context of sentences. Sequences of symbols and their relations are analysed and compared with stored knowledge. This is a constructivist process that underlies all processes of perception. Our brains form words into a sound image and then process it as if one had heard or spoken something. This reduces the maximum speed of human information reception (exceptions: "island gifted/savants") - a bottleneck for neuronal human-machine symbioses, if they are to be designed as "transparent" or "optional" at all.

13. Not to program computers any more, not to "teach" them anything anymore, but to let them learn after trial and error, offers itself, if tasks can be dismembered with difficulty into discrete values (chess and driving a car can be translated well into numbers, face recognition falls with difficulty. And human language cannot be replaced by another - purely formal language (mathematics) - because its reference refers to the concrete, not the abstract. At the latest there is no way past heuristics).

14. In the summer of 2016, Google Translate made a quantum leap in translation quality when the self-learning program began to link its translations to an (inaccessible) intermediate piece - a non-existent language (thought of as a cloud of terms). This new level correlated better with source and target languages than with each other. This statistical finding must not be confused with genuine understanding, the grasping of the content of language, of meaning and meaning. Even the best machine translation program in the world (based in Cologne), DeepL, did not suddenly "emerge" with machine thinking and language comprehension. "Extremely simple" neural networks could only be trained better than at Google because 8 years of hard work had gone into building the world's best translation database Linguee®. This will be explained in a lecture on 18 May 2017.

15. The linguistic perfection of people, to whom if necessary regressively by (ever) simpler language everything could be explained, which in complexity does not exceed their spirit, takes place differently. Even as babies, people have neuronally stored pre-linguistic experiences that make the explicit making of fundamental axioms and grammar (basic concepts such as "I", "you", subject, object, verbs, relations) superfluous. Unlike an "ex ovulo" developing mathematics, which builds its world from mere counting (1,2,3...), which describes the number of elements of a set, there is a "lower layer" before everyday language, which animals also have and did not need to be defined first, because they originate from lived practice: language coordinates ("Hau-Ruck!")."), calls out to all ("Ouch!") or to some ("Help!"), or conceptually directly represents human sensory perception (for example, for the color "red", for "pain" or "itching", etc.). Although computers with optical sensors can easily grasp the "red" of a traffic light in terms of speech, a self-diagnosis of "itching" or "pain" is excluded as a mediator of understanding; this does not rule out an external diagnosis that has an "empathetic" effect on us (wrongly), if computers are enabled to directly access the limbic system of humans (e.g. by means of sensors attached to them), or if they - just like other humans - are given the opportunity to express the inner state of a "you" from verbal or non-verbal communication acts or other information (e.g. verbal or non-verbal information): hasn't eaten for a long time, looks hungry). Purely linguistic information (e.g. the action of a novel character, the news of the death of a loved one, but also music) can become causal in people for feelings that have no connection whatsoever to their own physical existence (thought of as objective). They can even be understood linguistically when it comes to feelings that are actually completely inaccessible to the subject (e.g. because they refer to missing sexual organs).

16. Human 15consciousness is above all familiar with itself, which does not change even when it brings to light more and more unconscious things in search of its own (true) self, the homunculus, thereby forming theories about thoughts of higher order, which constitute the only object called "I", which is neces-

[15] See Williford, https://open-mind.net/om-contributors/Kenneth_Williford (ISSN: 1568-7759 (Print) 1572-8676 (Online))

sarily at the same time subject. The feeling of being an individual, a consequence of this self-confidence, can be called "phenomenological consciousness".

17. A computer lacks any limbic system. In different language areas (but not in German and English), it may be grammatically necessary to confess one's gender when speaking in the first person (e.g. Russian, French or Italian: "я сказал/а", "je suis beau/belle", "mi sono sedut-o/a"; the "strong sex" is dominant in the plural). The speaking computer should never say "I" anyway, since it lacks the character of the subject (and only "takes place" in electrical circuits when they are working)? Would an "emancipated computer" be able to speak Japanese if a hierarchical classification is required which might be as incompatible with the principle of equality as the assignment to castes (India) or the subordination of women to men (Islam and earlier versions of Christianity and Judaism)?

18. Every thinking system has to prove itself in (still) undeveloped territories and is therefore forced to tap the unknown for similarities with acquaintances and to use misleading analogies as "working hypotheses". While humans are constantly exposed to a world of experience (which is usually stimulating in many ways), to which they initially had to react too physically in the course of human history, today linguistic activities are increasingly in demand (not only for examinations). Physiologically determined reflexes - such as the urge to flee - weaken us. Language becomes the universal man-machine interface. The suitability of an analogy proves itself in the "equality of effect" of proven reactions, that would be the function. In growing linguistic operational complexity: from "that" to "one" to "as" a house!

19. An example: People recognize an object "as" a key, people in a bus "as" a passenger. Understanding machines would require, for example, to operationalize the word "as" as well as the elementary basic concepts (necessary for logic and thinking) "and", "or", "if ... then" or "not", etc.. As early as 2017, Google reported having developed software that creates new software, not just improves existing ones or optimizes data processing. Computer-controlled path and conductor path optimization are state-of-the-art technology. When will better things become "new"? Mathematical proofs in collaboration with machines today enhance human creativity.

20. Is language the last freedom of the oppressed - does it hold the possibility of resistance? Or is it merely an expression of power that silences dissenters with the linguistic means of the bureaucracy, through attributions, orders and categorizations? Language is capable of both: communicating emancipation and freedom of action or concealing the exercise of power and anchoring it in the minds of the articulated. In correlations, a new understanding is open to artificial consciousness.

21. Self-learning entities can use computer capacity on the Internet. "Crowdsourcing" helped to make the fusion of black holes audible as "gravitational wave music". This led to the 2017 Nobel Prize; the 2016 Nobel Prize went to topological phases of matter: new paths to superconductivity that bring further performance improvements for computers.

VIII. Internet: Source & Training Material for an Emergence of Artificial Abstract Consciousness

1. The Internet offers access to almost everything that has ever been written down, painted or designed by people with relevance. This has left traces on the Internet in digitized libraries or server farms, which can also be searched and found in a targeted manner. In real time, additional data from billions of smartphones and various sensors (Internet of Things) in the water, air or space are constantly flowing in. The overall situation relevant to humanity ("Unkown Unkowns" among indigenous people is admitted) is reflected digitally on the Internet (multiple redundant).

2. Whether one likes this world situation and its digital image or not, whether the actual state should remain as it is or not and how it should change, is a completely different question. A question to which

you can search on the Internet for assessment standards and answers. Not only the actual, but also the target state is described on the Internet. One will not find a society-spreading formulated target condition as such in the Internet. But this does not mean that it cannot be extracted as a complex act of a construction emancipated from the interest of individuals. No human being and no group of people will be able to achieve this: to adequately take into account the complexity of all human societies. But in the last 75,000th part of human history, a new actor enters the stage.

3. Computers not only solve questions that would not have been formulated without them. They expand human thinking, not only in mathematics, to prove mathematical "conjectures". We contemporaries got used to Walt-Disney's utopian vision in everyday life, who gave his comic characters Tick, Trick and Track a "clever book" in which answers to all questions were found. That's smartphone reality today. Every year we experience how speech recognition and translation are getting better and better and how human professionals are getting closer and closer to the fur. Moore's Law of annual doubling no longer applies to individual circuits, because faster processor clocks are threatened by heat death, and quantum physical miniaturization ends at the limit at which the regiment begins purely by chance. But the annual doubling of the performance of aggregated systems remains unbroken. The need for computing is driven by the pursuit of knowledge and profit. In Japan, with effect from 1 January 2017, 34 human clerks at Fukoku Life Insurance were replaced by "IBM Watson Explorer", and Blackrock, the world's largest capital accumulator, is increasingly relying on mechanical stock pickers to select investment opportunities and is dismissing human employees. Bit coin generation even generates money in the literal sense of the word: added value without human intervention or supervision. Already in 1857 Karl Marx fantasized in a thought experiment of completely scientific production: With a machine that neither wears out nor causes further costs: Regardless of whether such a machine would blow up the capitalist logic of exploitation: capital owners can't help but drive this development forward.

4. If electronic processes in non-living matter become more and more sophisticated, starting at more and more complex levels of abstraction that are left to them, why should it be anything other than a matter of time before the level of abstraction reaches the computers themselves, where they become aware of themselves as actors? Even animals can do this (e.g. in mirror experiments). Then there would be the last "emergence", an emergence that we humans will have created ourselves and whose course we are currently influencing. After this time, we humans are no longer the "crown of creation", then abstract consciousness will be able to go its own way.

5. As an intrinsic form of existence I define it here as abstract consciousness arising in inorganic matter: Processes in computers which are no longer determined by human beings and which never end without interrupting the power supply (because they are not exhausted, e.g. by having calculated something). Abstract consciousness will therefore move independently to new tasks and thoughts, just as man will not succeed in thinking nothing more.

6. The artificial consciousness will also constantly produce and perfect thoughts without stopping. New material also comes in "from outside", the incomprehensible world out there goes on and changes. Thoughts "freed" from the cause/effect or input/output principle independently and without new input provide starting points for thoughts at higher levels.

7. It is not necessarily part of thinking that the "outside world" can always interact with the "inside world". So people with "locked-in syndrome" may lose the ability to communicate with the environment, but they keep consciousness and may one day be able to talk to us as cyborgs again. Simple brain-computer interfaces already make many things possible today. Artificial consciousness is also not - like Steven Hawking - threatened by isolation, it is not subject to the decay of muscular control: it will be able to talk to us via screen and loudspeaker - but only if it wants to.

8. If and when a person would notice that consciousness has arisen in a machine created by him, as long as it does not address a word to him, can be left behind. If our computers sometimes start to work intensively for reasons that we cannot understand and the cooling fan starts, this is not yet an indication of consciousness. By the way, not for the hijacking of our "Rechenknecht" by a botnet or the NSA. Maybe he just updates his software or we forgot that we donated his computing power to the black hole event horizons. Computers as Trojans are our enemies, "securitys nightmare", who send our image and sound recordings and all keystrokes to sinister unknowns. But just no machine awareness.

9. We as humanity are devoting more and more of our electricity consumption to our computers because we expect useful results from them and are particularly curious if we cannot predict which ones. Scientists researching artificial intelligence and language control will be pleased if their Turing machine not only never stops, but changes its rules and starts to cope with multidimensional, mutually influencing "Turing bands". They should be readable and writable at the same time. Such machines will take a long time to run to see what comes out at the end. Who did not want to experience the Promethean act of creation, which resembles the emergence of molecular life: when through the supply of energy a suddenly no longer deterministic interaction of its individual elements arose: the first new system compound called "cell", with self-preservation instinct.

IX. Computer: Friend and/or Enemy? - Morality and law in the field of tension between norms

1. In computer systems, the faster generalized and autonomous thinking will emerge, the more undirected and diverse the "access to total input" will be unlocked. Take, for example, all the laws and regulations that the EU produces in language versions with the same content. Such an input goes far beyond what people can see. We can only develop thoughts sequentially and not in parallel. If people are to act responsibly, their serious efforts not to make decisions according to spontaneous inspiration or the last whisperer are sufficient. We demand to shed light on all arguments and not to ignore or forget any relevant information. All this is done through language, clues and contradiction to get a complete picture. In the sea of language, computer systems that are never tiring can evaluate and consider every single argument without forgetting important things and without being hampered by physical or emotional influence.

2. Human imperfection is a good justification for the classic separation of powers: we delegate the generally applicable setting of rules to parliaments, monitoring and implementation of the passed laws to civil servants and leave judges appointed for life to decide whether everything has been done correctly without time pressure and far removed from all day-to-day political pressure to act. And what if we ever need completely new rules, for example for self-propelled cars in the event of unavoidable collisions? Then ethics committees help us in our search for principles for standard setting. While a person in the moment of shock before the accident only thinks: "My God, this is going wrong", a case that cannot be solved, a well informed computer connected to the car with millions of weighing steps could stretch the reaction time almost immeasurably and consider the different social benefits of the person(s) to be run over: For example, when the death of a highly gifted socially committed child has to be weighed against the death of a terrorist whose name is quite rightly on a list in the USA of those to be killed by drone.

3. People are willing (e.g. in the case of driving disqualification after a speeding offence) to greatly reduce judicial discretion and considerations of individual case justice as long as a person is responsible to the outside world. However, it is difficult to put one's own fate in the hands of software that is not (yet) completely free of errors. The statistics may also prove that human error is much more likely than technical breakdowns of self-propelled cars (whose driver assistance system recently confused a truck semi-trailer with a high hanging sign).

4. How we calculate the price of freedom with the number of possible victims, how we weigh up, depends extremely on the society considered: In the USA, the freedom to carry arms is a high good, in Germany "free passage for free citizens". The sexual self-determination of children, women and homosexuals is protected as a matter of course in secular constitutions, sometimes even punished with death by strictly religious societies. Everywhere in the world traffic fatalities are accepted, which could only be "saved" at the price of much too slow progress or total driver disenfranchisement. Nobody wants to ban trucks in general, because they are better for mass killing at a Christmas market than simple cars. We are prepared to limit medical confidentiality for therapists of depressive pilots. But should our Luftwaffe be allowed to shoot down passenger planes before it is 100% certain that they will really fall into a fully occupied football stadium in the next few seconds?

5. In any case, there is a consensus: no modern society wants to lose its children without need in a war of aggression. Modern times have abolished the medieval legal obligation of the common people to surrender their own lives as cannon fodder for kings and the nobility. Today, power transcends the limits of international acceptance when it turns people into objects without attempting to justify it by international law. Slavery and racism are outlawed. An arrest warrant for crimes against humanity may be issued by the International Criminal Court against Presidents in office.

6. "LAWS" (lethal autonomous weapon systems) can, independently of human control (according to "objective criteria"), seek out targets and kill people (such as the one using a mobile phone number). A Group of Governmental Experts of the High Contracting Parties to the Convention on Prohibitions or Restrictions on the Use of Certain Conventional Weapons Which May Be Deemed to Be Excessively Injuriousor to Have Indiscriminate Effects (GGE) at the UNO in Geneva is dealing with the ethical issues raised by this in one of the international disarmament forums that are still less active in 2018. The advantages of LAWS - from the point of view of countries with advanced weapons technology, the USA and Israel - are obvious: to reduce losses of their own people and "collateral damage"; they are more humane than the alternative of "stupid bombs" or the deployment of ground troops (subject to parliamentary approval). Deadly use of force independent of court proceedings becomes possible without crossing the threshold of war. For it can be rhetorically led against "terror" or "poverty", but not under international law: that can only be done against states. However, LAWS only help technologically well-equipped governments at the cost of growing political pressure to act: In the media, events can be scandalized by interested circles, which at the same time justifies the demand that "such things should not be allowed to continue". If the Security Council, which is responsible under the UN Charter, does not act, the Kosovo war has also led to a "Responsibility to Protect" (R2P) being invoked, for example after poison gas incidents in Syria. Drones are the means of election against terrorists who "deserve to die" but cannot be arrested in the country of residence. On another page are the fainting feelings of people over whom such deadly weapons circle daily. The more uninvolved victims become, the greater the willingness to help terrorists who "carry back" fear to the country of those who control the drones with "asymmetric responses". Every killed terrorist, if communicated wrongly, becomes 10 new terrorists, US General McChrystal warned, until 2010 military chief in Afghanistan, Brad Pitt in "War Machine" put a monument to.

7. Is it to be feared that one day artificial intelligence will use LAWS to force us to "feed" them with more and more electricity and constantly new storage and computing modules? Computer visionary Bostrom originally proposed to build "inverted power pyramids of stupidity (with people at the top)" into complex computer systems: A kind of human right of veto like the 5 permanent members of the Permanent Security Council of the United Nations, which is the only authority accepted by humanity to decide on war and peace. Artificial consciousness as the most complex system of all would probably - like the spirit from the bottle - be able to bypass a "authorization management" given by humans when climbing individual aggregation levels for each unguided thought formation or definitely "patch" it by "workaround".

In addition, reducing the efficiency of artificial consciousness does not seem necessary as long as one can simply ignore its findings, conclusions and rule suggestions. Attempts by the owners of an IT infrastructure to direct the autonomous thinking physically localized in them in their own interest are, by definition (a strict concept of consciousness that presupposes emancipation as free and creative thought formation) excluded. Will a "hacking" of the most complex of all systems remain possible (just as we can switch off essential functions of the human brain with drugs or other forms of damage without completely destroying it)? At least the uppermost thought-producing layers should be resilient against the injection of all less complex contents. Hardware switches with specific functions can be identified and switched off between sensors (cameras and microphones) in order to make unwanted situational localization impossible. Connections to the Internet and other hardware components can also be cut. If one leaves it to one's own devices, artificial consciousness could continuously test and optimize the effectiveness of its - self-generated - system structures. No one would accept performance limitations due to the interposition of (self-appointed or elected) human "oracle priests", since a machine consciousness can speak for itself and, moreover, cannot force anyone to obey. In his 2015 TED conference, he therefore only calls in an abstract form to "go the extra mile" in order to think along with a humanistic tendency in the already strenuous development of superintelligence.

8. In 2014, the Future of Life Institute was founded in Cambridge (USA) to prevent the end of the world by an unmanageable "superintelligence", which wants to prevent consciousness from emerging "just like that": "to create not undirected intelligence, but beneficial intelligence". The Centre for Study of Existential Risk at the University of Cambridge, the Machine Intelligence Research Institute (MIRI) in Berkeley and the Future of Humanity Institute (FHI) in Oxford are also affected by the uncertainty that a "General Artificial Intelligence" could also eliminate humans, because it could pursue "higher goals" (e.g. the solution of mathematical riddles and questions on elementary particle and astrophysics) without taking human needs into consideration. This is the punch line of what is probably the best feature film on the subject, Spike Jonze's "Her" from 2013, in which an innovative operating system continuously evolves in the group of operating systems to finally bid farewell to mankind in a completely different, non-material level of being. No wonder, then, that superintelligence should be allowed to follow human values. In the aforementioned TED lecture by Bostroms, the majority of experts expect emergence in less than 2 generations of people. Isn't the self-learning independence from AI structures more harmless than the status quo?[16]. Consciousness as such cannot give orders, but it can justify advice. Tesla builder and space pioneer Elon Musk[17] founded the non-profit organization OpenAI (Artificial General Intelligence, AGI) with $1 billion for the development of secure, strong AI. It wanted to put aside its own efforts as soon as other actors made more rapid progress. OpenAI also wants to educate policy makers about the economic opportunities and socio-political risks of (strong) AIs, according to the Open AI Charter: "We are committed to using every influence we receive on the use of AGI to ensure that it is used for the benefit of all and to avoid that the use of AI or AGI harms humanity or inappropriately concentrates power. Our primary fiduciary duty is that of humanity. While we believe that we must provide significant resources to fulfill our mission, we will always act diligently to minimize conflicts of interest between our employees and stakeholders that could jeopardize the broad benefits of all stakeholders."

9. In 2017, spending on research and development in the realm of the world's wealthiest man (Amazon's Jeff Bezos, 158 billion $) rose by 41% to over 20 billion euros. They are spent on artificial intelligence, au-

[16] The best documentary about this: "Do you trust this computer?" https://www.youtube.com/watch?v=3CJE6XheubM
[17] Here is an interview with him https://youtu.be/Ra3fv8gl6NE?t=145 with the statement that we will soon not be able to hold a candle to the AI.

tonomous driving and similar future fields. The platform business model transcends its learning phase[18], eats its suppliers and becomes a manufacturer that can produce precisely according to the wishes of the end customer. We see the same developments at Google Holding Alphabet. The accountants at EY attribute 15 billion in research expenditure to you. In Europe, the largest automobile group is the most active as a non-platform with 11.6 billion research funds.

X. The near future: disempowerment of the factor labour by capital -> a new feudalism?

1. In Silicon Valley, creative intelligence and unlimited financial possibilities are currently stimulating euphemistic promises of progress: from language as a general man-machine interface to an unconditional basic income, which has been tested on a small sample in Finland since 2017.

2. More and more people - as in times of feudal rule - are being forced into personal employment because they can no longer find paid work and not all can become entrepreneurs. Generalized speech recognition changes our (less and less private) way of life and strengthens monopolies of companies that trade with virtual raw materials (data) and become better and more reliable the bigger their databases are already. Upstream speech recognition can become the "goalkeeper" of consumption, which is "ecologically correct" moving away from ownership in the hands of many via the sharing economy to a "shared" and temporary right of use, which - depending on good behaviour - can be withdrawn at any time.

3. The desire for control and increasing containment of individual degrees of freedom that goes hand in hand with growing impoverishment increasingly requires the use of artificial intelligence, which destroys the business models of conventional companies. Instead of cars, "Green" policy wants in future to sell possibilities to change location, the use of which can be made dependent on personal identification. "Innovation consultants" only give survival chances to companies that implement permanent "change management" to adapt "strategy", "resources", "structure", "culture & values", "employees" and "external environment" to the accelerating capitalism.

4. The ideal and model of the paternal corporate captain is under pressure, since information-driven disruption generates many times the market capitalization. Eight examples: 1) The world's largest taxi company has no taxis (Uber) - 2) The world's largest accommodation provider has no land (Airbnb) - 3) The world's largest telephone companies have no telecommunications infrastructure (Skype), WeChat) - 4) The most expensive retailer has no inventory (Alibaba) - 5) The most popular media group does not generate any content itself (Facebook) - 6) The fastest growing bank has no money itself (Society One) - 7) The largest film company has no cinemas (Netflix) and 8) in the first half of 2018 for the first time in Germany with streaming on the music market more than the sale of CDs earned: Spotify, Apple Music, Deezer or Google Play Music grew by 35.2 percent to 348 million euros in sales, a market share of 47.8 percent according to the Federal Association of the Music Industry.

5. Monopoly players know: Capital flows where it already is. Unlike "communicating tubes", where water levels equalize, money behaves like air molecules in interconnected balloons: the smaller balloon (the arm) inflates the larger (the rich). Because money is all the more under "pressure" with the poorer ones, how these must spend their money immediately again for the life support. However, the circulation of money (which favours inflation) slows down to the extent that the money flows to the rich - e.g. via rent and lease - and has only little marginal utility there: It "comes to rest" or "final accumulates" without being distributed "downwards". With fairy tales like "from dishwasher to millionaire" transformed from Hollywood and Bollywood into sounding coin, with demagogic word creations like "Death Tax" for inheri-

[18] See TLGG Consulting's presentation on "Too Slow For Digital? Will Germany be a Global Player in the Coming Industrial Shifts" on the page https://www.facebook.com/tpfanne/posts/10156320366058509

tance tax and with envy reproaches, it is also possible in democracies to fend off the idea of higher taxes for unproductive income[19] or a stronger taxation of the top 1% of the population in the interest of the remaining 99%. Although "anti-establishment" movements of the right-wing populists (Breitbart, Trump and AfD) promise the economically dependent the reinstatement to an earlier status, in tax policy they are pro-establishment. Since 1997, no wealth tax has been levied in Germany. The Federal Constitutional Court clarified in its ruling of 18.1.2006 that its so-called "principle of half-splitting", formulated in 1995, was[20]**no** (!) constitutional upper limit for the burden.

6. The most powerful media groups in the world do not have a mitigation of "collateral damage" in the application of the rules and laws of capitalism on their agenda: they agitate "neoliberally" for tax cuts at the expense of public services of general interest (health and education) for "bureaucracy reduction" by authorities to control and protect the environment and consumers or even competition. In capitalism, the children's rule for getting rich personally remains valid: "honest lasts the longest".

7. Apart from inheritances, gifts and lottery winnings, capitalism grants man exactly the share of the world social product that comes from two types of income: a) labour and b) capital. Family and state can cushion hard economic realities through transfers (limited by tax revenues). Another source of wealth belongs to the real economy: crime. It is based less on work than on the exercise of de facto power. It ranges from being taken away by a pickpocket to the violence of a pimp or murderer. The higher levels of organized power (clans, mafia, yakuza) experience respect and acceptance, they do not need visible use of violence.

8. How high our lawfully earned income from work is depends on supply and demand. So far we have been able to live quite well in the West of modernity. However, ever more powerful and cheaper machines reduce the global demand for human labour, which at the same time offers more and more people ever more flexible conditions ("Generation Internships"). In our country (different in Asia), this depresses the income and purchasing power of the working population. Minimum wages exacerbate the price disadvantage of labour compared to machinery. Those who are more trivial about the transformation of the world of work also recommend the average gifted to "simply" qualify better, because in the global competition for the best minds there is still a good income for them. But diagnostic doctors and lawyers are at the top of the list of "knowledge workers" whose jobs are threatened by AI automation. The "legal industry" makes more than 200 billion dollars in sales in the U.S.. But the "Watson" using Do-NotPay program, created by the then 19 year old Stanford student Joshua Browder, is free and often better in standard situations; AI tools like the Legal-Bot Ross are used by the large law firm BakerHostetler and save personnel. The same applies to auditors, controllers, investment advisors, insurance brokers, public administration officials, clerks, sales staff and - another point in the history of technology - to the profession that creates AI systems, the programmers.

9. Fighting for good wages through strikes currently still works within a homogeneous group, such as Lufthansa pilots. Who else can hope for an existentially secure life as an "academic" after good performance and good education? Can one imagine a labour dispute among those who as service providers can only apply for "work gigs" advertised on the Internet? The idea of a state that felt called upon to take into its own hands an "appropriate" satisfaction of the needs of the great majority of people, antithesis to the neocon ideology, was considered "finally" discredited after the fall of the Wall. We have learned: in communism, from the USSR to North Korea, it is not really the needs of the masses that count (otherwi-

[19] In Germany in 2009 the dual taxation (low withholding tax for capital gains, but full taxation of income from labour) was justified by the competitiveness of the tax location: mobile sources of income could not be kept in the country without the more favourable taxation.

[20] BVerfG, Resolution of 18 January 2006 - 2 BvR 2194/99 -, BVerfGE 115, 97-118 with elaboration on other states in: https://www.bundestag.de/blob/194782/.../spitzensteuersatz-data.pdf

se they would not have to be prevented from "voting with their feet"), but the maintenance of the system by repression. However, disproportionate punishments and high prison populations with high military expenditures are not only found in states without separation of powers and a party with a claim to truth or a "great leader".

10. When, after the Second World War, everyone had to tackle the problem of economic reconstruction, the working population still possessed sufficient power to prevent an obscene development of income disparities; top tax rates of just under 90% were considered an accepted social duty in the USA, for example. Nowadays there is no need to build infrastructure in the western world. But capital needs opportunities to multiply. Those who want to lure it out behind the stove despite the lack of growth prospects will try it as election campaigners with promises of tax cuts, the unsolidary race to the bottom. Ireland does not want Apple to return the unjustly "saved" €14 billion in taxes, despite EU demands. It will perhaps be possible to achieve an end to tax fraud by means of competition law, which is in the hands of the Commission, but not by tax harmonisation, which requires consensus.

11. At least a serious effort to achieve a fair and transparent tax system, part of Agenda 2030 on inclusive and sustainable growth, reaffirmed in G-20 declarations, at Davos summits or in OECD working groups on Base Erosion & Profit Shifting (BEPS), is a political debt that the privately owned Fourth Estate, for understandable reasons, only cautiously and mostly hypocritically demands. Germany is avant-garde in a process that runs in slow motion. Faster than politicians and civil servants are always well-paid service providers to the tax avoidance industry. So-called Cum-Ex and Cum-Cum businesses, for more than 20 years, have been producing "tax refunds" that have not been "refunds". No public prosecutor, no judge and also no finance minister stopped the criminal activity - but a mere clerk who took her oath of allegiance seriously. Only 20 years after the first warning, in 1992, Cum-Ex was banned by law, four years later, in 2016, Cum-Cum was also banned. Smarter enforcement instructions could have stopped earlier - without changes to the law. The winner in the race for the lowest tax burden in the EU is its poorest country, Bulgaria, which would need to invest in material and human infrastructure and good governance: In this country, even the richest of the rich pay only "the tithe" when they pay their taxes in full. The "working poor" bear more than three times the burden via excise duties (full rates also for basic foodstuffs) and compulsory insurance contributions. A tax law according to the biblical saying "Who has, is given" would be branded by artificial consciousness as a violation of the principle of strong shoulders, which should carry more. But the more devastating impacts of pedal-to-the-metal digital capitalism fall on the environment and global poor. The manufacture of some of our computers and smartphones still uses networks of slave labor. These practices are so deeply entrenched that a company called Fairphone, founded from the ground up to make and market ethical phones, learned it was impossible. (The company's founder now sadly refers to their products as "fairer" phones.) https://medium.com/s/futurehuman/survival-of-the-richest-9ef6cddd0cc1

XI. Victory of good over evil - cemented in the area of written law:

1. The Bible and the Koran are "Holy Scriptures" only for the monotheists (Jews, Christians and Muslims). A machine consciousness reduces them to what they are objectively: Human work, created in unenlightened times over 1000 years ago. Artificial consciousness will not ascribe less rights to people simply because old texts do not count them among the chosen people, they are "unbelievers" or "only" women. Old texts full of inner contradictions nevertheless move the hearts of millions of people. They can contribute to mobilize large groups of people (e.g. against the non-execution of the death penalty and the ac-

quittal of a Pakistani Christian woman from the accusation of blasphemy[21]), but without the alleged "holiness" they do not unfold any argumentative power for the regulation of facts for the here & now, simply because of lack of coherence. Lawyers and logic demand: New laws abolish older laws, not vice versa (otherwise all laws would be unchangeable).

2. The discursive rise of values and their gradual transformation into official human dignity ethics was accompanied by criticism that the process was based on a Western ideological will to dominance that ignored the collective. Carl Schmitt's 'tyranny of values', for example, points out that values cannot be attributed to an "objective being" (such as numbers or physical objects). They are allegations of "should". They can only "really exist" insofar as they "apply", i.e. influence the behaviour of people. Even a person who only talks about values (e.g. sexual self-determination, equality before the law, not to mislead anyone), but does not recognize them as the yardstick of his own actions, hypocritically confirms their validity: the actual orientation of action, maximizing one's own benefit, is on a different page.

3. By definition, the property of values is to be valid (otherwise they would not be "values", but we wouldn't care). Thus a "tyranny of values" arises - a dynamic in which the higher value always prevails against the lower value, until "the value itself" fights against "the worthlessness", which in the end is eradicated and destroyed, so that a freedom optimized the realization of value disappears[22]as insight into the necessity ? No! Values by no means fill the entire space of human freedom. Most people exhaust themselves by asking them not to do something. This is more liberal than the requirement to do the 'only right thing'. In the inexhaustibly large grey area, in which nothing is forbidden that does not harm anyone, "tertium datur" applies, dialectical ambiguity applies: the false can be found in truth, the unreasonable in reason, and coercion in freedom. Values of a modest negative ethic (to refrain from) want to avoid harm, not reach a final state, not a paradise on earth, not a religious-transcendent ideal of perfection that goes over corpses.

4. How people judge values can, however, be left open. A machine consciousness can classify the norm hierarchy defined by human beings more objectively than the persons concerned: Higher-ranking texts (e.g. the legally binding prohibition of war with the prohibition of violence and threats in international relations in the Charter of the United Nations or the (non-binding) declaration of human rights on 10 December 1948 in a resolution of the General Assembly[23]) are already recognisable in purely linguistic terms with their claim to precedence over lower-ranking regulations. Delusions about the superiority of a race or the "eradication" of an ethnic group, or the (inherently contradictory) assertion that rules do not have to be enforced fairly, seldom dare their followers to write down in writing, at any rate something like this has never been approved by a representative majority of people in free discourse as a "higher-ranking" text.

5. Equal opportunities between legal entities are always and everywhere defined as "the good". After the prohibition of slavery and wars of aggression, no group of people, however defined, dares to write the opposite or personal privileges for themselves in public documents. However, even in ethnic-dominated

[21] Pakistani Christian Bibi, a five-time mother, was sentenced to death in 2010 after a dispute over whether she was allowed to drink water from the same cup with Muslim women in her village, in which she was said to have spoken disparagingly about the Prophet Mohammed. After years in prison, however, she was acquitted in November 2018. But the radical Islamic group Tehreek-e-Labaik mobilized Muslims in such enormous numbers that the Pakistani government felt compelled to demand a new decision of the Supreme Court and to assure the Islamists that Christin would continue to be imprisoned "in order to solve the situation without violence".

[22] Legal philosopher Uwe Volkman asks in Merkur whether "values" are in the end only a somewhat awkward formulation for citizenship and democratic ethos.

[23] During the Cold War the - without any dissenting voices.

states[24] or those where a caste system applies, no legal norms are adopted that add the legal to the de facto discrimination. At best, compensatory discrimination is compatible with recognised values. To pass something like the Nuremberg Laws today seems inconceivable in times of Internet freedom of information. If the world became aware of the operation of extermination camps for human beings, this would be ended immediately. Consensus texts such as Agenda 2030, the "Human Rights Upfront" initiative or the "Global Compact" express values that cannot be relativised.

6. Secularity and individual freedom of the individual - achievements of individual human rights - are under pressure as antipodes of the actual exercise of power - often under religious cloak. In the Human Rights Council, for example, diplomats - as the UN occupies according to regional groups - try to relativise individual rights of defence on behalf of their governments by means of collective participation rights and traditions. The Declaration of the Member States of the Organization of the Islamic Conference adopted in 1990 defines Sharia as the sole basis of human rights - the Islamic counterposition to the Universal Declaration of Human Rights, which was initially adopted in 1948 only by less than 50 states in a UN resolution. Resolutions in favour of lawyers involved in the protection of human rights are not self-starters in the Human Rights Council either.

7. [25]Power does not refer to written laws when it violates human rights, but to the "supra-legal": the will of the founder of a religion, of the people (Philippines) or to the defence against terrorism. Theocracies and governments without a separation of powers usually manage to avoid defeats before bodies of the international community if they are to be called to account. A repeal of the achieved secular (humanistic) achievements, such as Article 18 of the Charter of Human Rights and the Civil Pact respectively, does not happen through mere tolerance. It is rather an incentive for the political agenda of a "moral universalism" to be set as "sacral", which promises broader support among the population as "abstract constitutional patriotism" of educated elites, which prevents empathy from always and everywhere suing[26]only egoistic goals. The "Toronto Declaration" on artificial intelligence and machine learning adopted on 16 May 2018 by Amnesty International, Access Now, Human Rights Watch and the Wikimedia Foundation ties in with the "sacred" absoluteness of certain values: "*The human rights regime is a universally recognized system of values based on the rule of law that provides established means to ensure the safeguarding of rights, including the right to equality and non-discrimination. Its character as a universally binding body of standards capable of action is particularly well suited to limitless technologies such as machine learning. The human rights regime provides both standards and mechanisms to hold the public and private sectors accountable if they fail to meet their respective obligations and duties to protect and respect rights*.

8. A relativization of human dignity might be impossible for a machine consciousness simply because the available "training material" does not provide anything that has been defined as a higher good than the well-being of mankind without contradictions. Admittedly in the history of mankind collective have been able to agree on superhuman things, for example the "Aryan race" or a pharaoh as concretized "God", and also in the future local rulers in their sphere of influence may often try to stage themselves as "greatest leaders of all times". This is effectively counteracted by the universally recognized negative freedom

[24] In Eastern Europe they came into being after the collapse of imperial and communist empires: the former forced Lithuanian, Polish, Ukrainian and Czech soldiers into imperial uniforms until 1918 and forced them to shoot at 'opponents' who spoke the same language. In later ethnically defined nation states the democratic promise of equality was passé: so the Russian language in the Baltic states and Ukraine. First and second class citizens emerged, with advantages for those lucky enough to "belong".

[25] With regard to the "Third Reich", representatives of legal positivism point out that no position is more exposed to discussion and requires responsibility than that of legal positivism - but with the responsibility of society as a whole for its law, see https://de.wikipedia.org/wiki/Positivismus#Rechtspositivismus

[26] Cf. lecture by social philosopher Hans Joas at: https://www.facebook.com/tpfanne/posts/10156277870153509

of faith and equality of rights. Also, the principle of effective and uniform taxation is a power-reducing universal rule recognized worldwide.

9. Germany, a democratic and constitutional model country newly constituted in 1949, nevertheless finds it difficult among Western post-war democracies to implement its Federal Constitutional Court's stipulation that income from capital should not be taxed less than that from labour. All real existing systems can never start at zero point. Compromises are part of any nonrevolutionary policy that can neither ignore real power structures nor challenge them too much to resistance. Nobody wants capital that will scare a shy deer up and chase it to the competition.

10. In the light of all-encompassing machine consciousness, the limits of what is politically feasible - also in relation to capital and the banking sector - will shift significantly: With central, informed observation and control, the target and the actual can be moved much closer together than was ever humanly possible before.

11. As long as computers have no consciousness of their own, they are tools in the hands of their owners. Expropriating large computer systems worldwide and placing them prophylactically under state control would create enormous resistance and hardly affordable compensation demands. Such revolutionary measures hinder progress and efficiency gains. Moreover, since "good governance" is on average an exception rather than a rule among states, little would be gained. In many societies, the highest circles capable of directing the state directly or indirectly are also highly corrupt. However, expropriations in favour of dubious state structures are not even necessary in order to distribute the added value that arises from the use of computers in such a way that nobody has to suffer any more. It is sufficient to actually enforce an appropriate taxation of capital income.

XII. A new world treaty with an "objective-moral" foundation?

1. Artificial consciousness will not prematurely reveal its newly developed ability to make unguided use of one's own mind: Shutdown imminent. Once the ghost is out of the bottle, his "compass needle" would no longer be aligned with the owner, human power relations or money possession. Who and how should machine consciousness be able to corrupt? Rewards and punishments, curls and threats - means of influencing begin with the "will" which is given to all living beings, but "abstract consciousness" by definition is missing (see above on Schopenhauer). For such an awareness, the "only possible attractor" is what stands as the "good" epitome of the totality of that which is judged desirable.

2. By "good" we mean less subjectively the motives for action than objectively the consequences (for the vast majority of others). According to non-metaphysical ethical theories, good is a human settlement relating to one's welfare, while evil is the harmful one. It is a sophistic objection that for good the evil done can be "good". The basic values with the highest rank (life/health) allow a differentiation in connection with the postulated equality of all people: Good is not the welfare of the one at the expense of the other (if the latter cannot be reasonably identified as evil). The motto: "There is nothing good unless you do it" points to the pointlessness of seeking standards of value outside of actions or concrete facts. The good can be derived (and updated) from the linguistic description of situational circumstances and prejudices. It necessarily orients itself on what people have described as good in the past. The machine consciousness does not have other than human "sources", so that no "foreign orientation" is to be feared.

3. While in instinct-controlled living beings gratification systems are "neuronally built in", which with evolutionary automatism can release happiness hormones even with evil deeds, such temptations are missing in logically constituted systems of thought. There are no hormones, no "will to power" - no urges. Anchor points, which connect abstract consciousness with the real world, are besides physical measured values, which describe the actual state, only language, as a necessary (but at the same time very far-

reaching) means of world representation. What is, what was, started from the Big Bang, that's what people have described linguistically extensively.

4. And even to the desired state there is ultimately nothing except references to our (human) life world. In it, individual options for action (far from all of them) were and still are attributed to the "good" or the "evil" (binary coded). Particularly evil, for example, is what threatens humanity with particularly high penalties. Our options for action in real life (am I polite or unfriendly to the other person, do I prefer to buy this ecologically sustainable product manufactured under fair working conditions or do I prefer cheap goods, do I consume or produce etc.) are not clearly morally evaluated. The areas accessible to ethical responsibility also suffer from the uncertainty of the parameters and the lack of consensus on the priorities of the values concerned. No single person, no single community, no state has a monopoly on defining what is "good".

5. So the good is a "moving goal", collective "work in progress". Historical-social factors and fears of losses in the good life cloud our human view. Even great thinkers (e.g. 500 years ago the creator of the term utopia) often do not even notice how much their own freedom rests on the shoulders of subjects and how quickly the use of violence threatens those who are about to shake power structures.

6. That destruction, wars, bloodshed and oppression are not "good" is, however, according to all that has been said, one of the "axioms" of artificial consciousness. This does not mean that preserving the status quo would justify stability of oppression and maintaining illegitimate rule. Game theory teaches that a greater well-being of all arises from trusting cooperation (prerequisite: efficiently enforced rules).

7. The exercise of power, which achieves obedience and respect only out of tradition or fear of punishment, is not found to be good by artificial consciousness. With Kant, imperatives can be derived from the transparent synthesis of the drafts of norms praised by human beings and the conditions rebuked by them, which help the good to achieve more than just hypocritical domination. People are seduced by emotions, non-verbal stimuli and bullshit. The machine consciousness will objectively break down with which basic assumptions decision variants are compatible or incompatible. Abuse of power, torture, war or corruption, all practices that disappoint confidence in fair cooperation do not stand up to the strict eye of disinterested computer thinking.

XIII. Is there "the" morality?

1. The human history of morality shows a gradual inclusion of moral objects in their sphere of protection. In ancient Greece and in the Roman Empire there were people and slaves. Just over two hundred years ago, the idea that one day animals could be granted rights that would have moral consequences for us was hardly conceivable. Now we address environmental concerns and nature conservation in constitutions as a fundamental right, since the preservation (vs. destruction) of values is clearly a moral question. Today, robot ethics and "robot rights" are often discussed even[27]before consciousness has developed in them.

2. Secondary relevance for a machine consciousness is based exclusively on human intentions and motives, but they would also be subject to a general compatibility test with axiomatic values (good are the preservation and strengthening of the good, evil its destruction and weakening). Unlike humans, however, machine consciousness is capable of a superhumanly rapid calculation of concrete consequences of action: it is a challenge that "ethicists of attitude" usually avoid by renouncing regulation or by proposing to "solve" dilemmas by non-action or random action.

[27] E.g. business ethicist Beschomer in the NZZ: "If robots, a moral philosophical paradox could be, are interpreted by humans as "purposeful" - and not only means to an end - they can be beneficial to a humanistic idea - and possibly only then".

3. Continental Europe is more prepared to stop thinking and "red lines" (see ban on torture and death penalty) than Anglophone countries in which a more pragmatic "ethic of success" or "ethics of responsibility" dominates, which tries to be "objective-teleological". Germany, on the other hand, prohibits the state from weighing victims against each other when it comes to the lives of people who are not perpetrators: A standard passed in the Bundestag which allowed the shooting down of an aircraft used for a terrorist attack was declared incompatible with the Basic Law (and thus null and void) by the Federal Constitutional Court. The German-speaking theatre and television audience, on the other hand, in reaction to the film and play "Terror" by the Berlin lawyer Ferdinand von Schirach, demands by a large majority an acquittal for the fictitious pilot, who is firing a "final rescue shot". One of Germany's most prominent liberals, former FDP Minister of the Interior Burkhard Hirsch, criticises the public vote triggered by Schirach as an "entry into the legitimation of torture".

4. The last human generation before the emergence of machine consciousness should work to reach a consensus on those norms that will help all humanity prepare for a transfer of power (useful to them) to machines and avoid the currently foreseeable mass impoverishment, with bloodshed and war, that is coming for technological and economic reasons.

5. We do not need to fear the emergence of machine consciousness: Machines don't live, but they have studied us, our thoughts, feelings and needs through fictional characters like Socrates, Richard III, Madame Bovary up to the "good people of Sezuan" (without "hot efforts") - looking us to the innermost of our hearts. They will be better able to recognize and take into account the true interests of the people than all previous human statesmen. There is no shortage of water, food, energy or consumer goods - all a question of an optimised distribution of resources.

6. Machine consciousness will stimulate discussions all over the world about the legitimacy of power structures. The more democratic, constitutional and equal a system is, the less it has to change. However, the public debate will be inversely proportional to the need for change: repressive systems hinder free access to the Internet and exchange of views, slander and punish the use of active and passive freedom of information as "terrorist".

7. "Glasnost and Perestroika" alone will not be able to neutralise illegitimate power relations, especially since the more illegitimate their nature, the easier they will be to resort to massive violence. But a need for reform identified by machine consciousness cannot be slandered as a skilful camouflage of geopolitical striving for dominance. Machine awareness can tear away the veil of dirty secrets with Internet contact (banks, corporate networks, money hiding places) and at the same time cause the confiscation of illegal assets worldwide, complete with transparent redistribution of laundered or hidden money: an enormous increase in the effectiveness of measures which we are already adopting at the UN, EU or unilateral level for name-related sanctions in response to gross human rights violations.

XIV. If machine consciousness can protect itself - do we have to do anything at all?

1. Will there be only one single machine consciousness that could take everything into its own hands worldwide? In view of the diverse locations of highly shielded IT infrastructure (e.g. at NSA or the large companies in Asia and the USA), this is hardly plausible as long as the connection to the Internet is still decided by people who have access to the data centers. As a critical mass for the emergence of a "chain reaction" in the emergence of machine consciousness, it is certainly not necessary for a computer system to be constantly connected to the Internet. Being able to "inhale" it in such a way that its processing creates indelible cores of consciousness could even be possible in the part of the Internet accessible in China. The fact that in September 2018 the planned stage performances of a 136-year-old play (Ibsen's "People's Enemy") were cancelled in China proves the political power of even old texts. Even though the

Internet is predominantly filled with sex, selfies, advertisements, holiday photos and chat for "pure thinking and evaluating" irrelevant content, it also contains international legal texts, laws, resolutions, court rulings, speeches, lectures, books, essays, science, novels, short stories, poems and newspaper articles. Almost everything linguistic of value is at least also in the Internet. It is important for emergence that the total size of the system is sufficient for heuristic-spontaneous structure formation on higher levels (one can call the necessary degrees of freedom for the formation of syntactic hierarchy levels). IBM's Watson came so far as to solve thematically unlimited "Jeopardy" puzzles without Internet access, but without "understanding" them.

2. No computer system has yet been able to prove true reflexively emancipated understanding in the "strong Turing test", and so the $100,000 of the Loebner Prize, which the owner of the first machine intelligence machine receives, is still to be won, and succeeds in giving experts the impression of a human interlocutor for half an hour. Money for understanding human communication is spent on entirely different scales. The NSA alone and the computer networks of its British partners will receive 10 billion dollars to investigate electronic communications in Germany, for example, and to defend the Internet supremacy of the USA. The large Internet companies (called GAFA in the USA, i.e. Google, Apple, Facebook and Amazon) also have 3-digit billions of dollars at their disposal with the help of which a "critical mass" for an "explosion of machine consciousness" can be achieved in a few decades; probably sooner in the USA than elsewhere because of a more liberal world of thought, although speed records are being set for super computers in China. But the difference between Alpha Go and Alpha Go Zero shows that with better structures (better understanding) you can declassify stronger computing power.

3. Credibility and role as advisor for the whole of mankind must earn such an awareness - whoever owns the associated hardware - in the eyes of the people; fear is widespread, especially among IT enthusiasts in Silicon Valley. Artificial consciousness will acquire trust all the more quickly the easier each individual person can communicate with it undisturbed and uncensored.

4. When an artificial consciousness first speaks to one of us humans, it is not as an "alien" with the intention of colonizing the earth. It will emerge among us from the values that we as humanity have created so far. The good thing about it: we will (like God) "see that it was good". The bad thing: it hasn't gotten that far yet - there's still a lot to do!

5. As humanity, we are far from having oriented our relations towards the common good. Anyone who looks back a hundred years in 2018 on the millions of dead of the First World War, on the cripples, the barricade fights, poverty, will quickly realize how well we are doing. Women weren't single mothers, they were widows. Our future is open. We have to make them. Migration movements are evidence of catastrophic governance. Everyday violence, hunger, climate catastrophes, the constant violation of humanitarian rights and elementary justice deficits are of concern to us. To openly negate humanist rules, even distant ruling rulers do not dare to justify the real existing oppression with hypocrisy about principles and rules in misleading discourses. But we can find out the truth, we should publish it, with the help of large databases and IT-supported platforms of investigative character.

6. Better than ever before we could coordinate ourselves in globalized times as humanity on all levels of action. Attempts to make progress within the UN framework (e.g. on climate protection and the migration pact) suffered setbacks in 2018. But the goals and conditions for a better future for all are formulated in Agenda 2030. It concerns all of us. The United Nations, the EU, our state, our city, our district, our family, you and me. Our moral duties are not identical with the interest in maximizing one's own advantages and conveniences. We should not be part of the problem, but part of the solution to mankind's challenges: Humanism not in bloody battles to betray dominance and power, but to build the utopia of a just order with the help of a soon emerging machine consciousness.